



The bidi Package

Source documentation for [version 40.6](#)

to my Master, *Ferdowsi The Great*

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please use the issue tracker:

<https://github.com/xepersian/bidi/issues>

In doing so, please always explain your issue well enough, and always include a minimal working example showing the issue.

You may also have conversations, ask questions and post answers without opening issues using the Discussions space:

<https://github.com/xepersian/bidi/discussions>

The announcements for the new releases of the package will also appear in the Discussions space under the Announcements category.

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The *bidi* Package

Bidirectional typesetting in plain $\text{T}_{\text{E}}\text{X}$ and $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$, using Xe $\text{T}_{\text{E}}\text{X}$ engine

Source documentation for [version 40.6](#)

Vafa Khalighi*

December 20, 2024

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*Thanks to the `bidi-tex` GitHub organization consisted of David Carlisle and other members of the $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$ team for maintaining the package in the period 2018–2020.

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1 File amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[2017/08/09 v1.1 bidi adaptations for amsart class for X
2 \def\tocline#1#2#3#4#5#6#7{\relax
3 \ifnum #1>\c@tocdepth % then omit
4 \else
5 \par \addpenalty\@secpenalty\addvspace{#2}%
6 \begingroup \hyphenpenalty\@M
7 \ifempty{#4}{%
8 \@tempdima\csname r@tocindent\number#1\endcsname\relax
9 }{%
10 \@tempdima#4\relax
11 }%
12 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\
13 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16 \nobreak
17 \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27 \kern-.4\p@
28 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29 \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35 \insert\footins{%
36 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37 \reset@font%
38 \bidi@@footnotetext@font% \normalfont\footnotesize
39 \interlinepenalty\interfootnotelinepenalty
40 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41 \floatingpenalty\@MM \hsize\columnwidth
42 \@parboxrestore \parindent\normalparindent \sloppy
43 \protected@edef\@currentlabel{%
44 \csname p@footnote\endcsname\@thefnmark}%
45 \@makefnmark%
46 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
47
48 \long\def\@RTLfootnotetext#1{%
49 \insert\footins{%
50 \@RTLtrue%
51 \reset@font%
52 \bidi@@RTLfootnotetext@font% \normalfont\footnotesize
```



```

53 \interlinepenalty\interfootnotelinepenalty
54 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
55 \floatingpenalty\@MM \hsize\columnwidth
56 \@parboxrestore \parindent\normalparindent \sloppy
57 \protected@edef\@currentlabel{%
58 \csname p@footnote\endcsname\@thefnmark}%
59 \@makefntext{%
60 \rule{z@\footnotesep\ignorespaces#1\unskip\strut\par}}
61
62
63
64 \long\def\@LTRfootnotetext#1{%
65 \insert\footins{%
66 \RTLfalse%
67 \reset@font%
68 \bidi@@LTRfootnotetext@font% \normalfont\footnotesize
69 \interlinepenalty\interfootnotelinepenalty
70 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
71 \floatingpenalty\@MM \hsize\columnwidth
72 \@parboxrestore \parindent\normalparindent \sloppy
73 \protected@edef\@currentlabel{%
74 \csname p@footnote\endcsname\@thefnmark}%
75 \@makefntext{%
76 \rule{z@\footnotesep\ignorespaces#1\unskip\strut\par}}
77
78
79 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
80 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
81 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
82
83 \renewenvironment{thebibliography}[1]{%
84 \@bibtitlestyle
85 \normalfont\bibliofont\labelsep .5em\relax
86 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
87 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
88 \bidi@thebibliography@font@hook%
89 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90 \leftmargin\labelwidth \advance\leftmargin\labelsep
91 \usecounter{enumiv}}%
92 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93 \sfcode`\.=\@m
94 }{%
95 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96 \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
99 \columnseprule{z@ \columnsep 35\p@
100 \@indextitlestyle
101 \thispagestyle{plain}%
102 \let\item\@idxitem
103 \parindent\z@ \parskip\z@\@plus.3\p@\relax
104 \ifRTL\raggedleft\else\raggedright\fi
105 \hyphenpenalty\@M
106 \footnotesize}

```



```

107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111 \@topnum\z@ % this prevents figures from falling at the top of page 1
112 \setcopyright
113 \thispagestyle{firstpage}% this sets first page specifications
114 \uppercase\shorttitle
115 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116 \else \andify\shortauthors
117 \fi
118 \@maketitle@hook
119 \begingroup
120 \@maketitle
121 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
122 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
123 \edef\@tempa{%
124 \@nx\markboth{\the\toks4
125 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126 \@tempa
127 \endgroup
128 \c@footnote\z@
129 \cleartopmattertags
130 }

```

2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol p
132 \def\adjmulticols#1#2#3{\col@number#1\relax
133 \def\@tempa{#2}%
134 \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
135 \def\@tempa{#3}%
136 \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
137 \ifnum\col@number<\@ne
138 \PackageWarning{adjmulticol}%
139 {Using '\number\col@number'
140 columns doesn't seem a good idea.^^J
141 I therefore use one columns instead}%
142 \col@number\@ne\fi
143 \ifnum\col@number>10
144 \PackageError{adjmulticol}%
145 {Too many columns}%
146 {Current implementation doesn't
147 support more than 10 columns.%
148 \MessageBreak
149 I therefore use 10 columns instead}%
150 \col@number10 \fi
151 \ifx\@footnotetext\mult@footnotetext\else
152 \let\orig@footnotetext\@footnotetext
153 \let\@footnotetext\mult@footnotetext
154 \fi
155 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
156 \let\orig@LTRfootnotetext\@LTRfootnotetext
157 \let\@LTRfootnotetext\mult@LTRfootnotetext

```




```

158 \fi
159 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
160 \let\orig@RTLfootnotetext\@RTLfootnotetext
161 \let\@RTLfootnotetext\mult@RTLfootnotetext
162 \fi
163 \@ifnextchar[\adjmult@cols{\adjmult@cols[]}]
164 \let\adjmc@page@sofar@orig=\page@sofar

```

3 File algorithm2e-xetex-bidi.def

```

165 \ProvidesFile{algorithm2e-xetex-bidi.def}[2018/09/23 v0.2 bidi adaptations for algorithm2e p
166 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \else%
169 \fi
170 \ifpackageloaded{color}{-}{%
171 \bidi@patchcmd{\@algocf@start}{\bgroup}{%
172 \bgroup
173 \if@RTL
174 \beginR
175 \else
176 \beginL
177 \fi
178 }{}{}
179 \bidi@patchcmd{\@algocf@finish}{\egroup\end{lrbox}}{%
180 \if@RTL
181 \endR
182 \else
183 \endL
184 \fi
185 \egroup
186 \end{lrbox}}%
187 }{}{}
188 \bidi@patchcmd{\algocf@makecaption}{\hbox}{%
189 \if@RTL
190 \hboxR
191 \else
192 \hboxL
193 \fi
194 }{}{}
195 }

```

4 File amsbook-xetex-bidi.def

```

196 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for
197 \def\@tocline#1#2#3#4#5#6#7{\relax
198 \ifnum #1>\c@tocdepth % then omit
199 \else
200 \par \addpenalty\@secpenalty\addvspace{#2}%
201 \begingroup \hyphenpenalty\@M
202 \@ifempty{#4}{%
203 \@tempdima\csname r@tocindent\number#1\endcsname\relax
204 }{}%
205 \@tempdima#4\relax

```



```

206 }%
207 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
208 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
209 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
210 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
211 \nobreak
212 \endgroup
213 \fi}
214 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
215 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
216 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
217 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
218 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
219 \columnseprule\z@ \columnsep 35\p@
220 \@indextitlestyle
221 \thispagestyle{plain}%
222 \let\item\@idxitem
223 \parindent\z@ \parskip\z@\@plus.3\p@\relax
224 \if@RTL\raggedleft\else\raggedright\fi
225 \hyphenpenalty\@M
226 \footnotesize}
227 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
228 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
229 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
230 \def\right@footnoterule{%
231 \kern-.4\p@
232 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
233 \kern11\p@\kern-\footnotesep}
234 \def\left@footnoterule{\kern-.4\p@
235 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
236
237 \long\def\@footnotetext#1{%
238 \insert\footins{%
239 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
240 \reset@font%
241 \bidi@@footnotetext@font% \normalfont\footnotesize
242 \interlinepenalty\interfootnotelinepenalty
243 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
244 \floatingpenalty\@MM \hsize\columnwidth
245 \@parboxrestore \parindent\normalparindent \sloppy
246 \protected@edef\@currentlabel{%
247 \csname p@footnote\endcsname\@thefnmark}%
248 \@makefnmark%
249 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
250
251 \long\def\@RTLfootnotetext#1{%
252 \insert\footins{%
253 \@RTLtrue%
254 \reset@font%
255 \bidi@@RTLfootnotetext@font% \normalfont\footnotesize
256 \interlinepenalty\interfootnotelinepenalty
257 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
258 \floatingpenalty\@MM \hsize\columnwidth
259 \@parboxrestore \parindent\normalparindent \sloppy

```



```

260 \protected@edef\@currentlabel{%
261 \csname p@footnote\endcsname\@thefnmark}%
262 \@makefntext{%
263 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
264
265
266 \long\def\@LTRfootnotetext#1{%
267 \insert\footins{%
268 \RTLfalse%
269 \reset@font%
270 \bidi@L@LTRfootnotetext@font% \normalfont\footnotesize
271 \interlinepenalty\interfootnotelinepenalty
272 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
273 \floatingpenalty\@MM \hsize\columnwidth
274 \@parboxrestore \parindent\normalparindent \sloppy
275 \protected@edef\@currentlabel{%
276 \csname p@footnote\endcsname\@thefnmark}%
277 \@makefntext{%
278 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
279
280
281
282 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
283 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
284 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
285
286 \renewenvironment{thebibliography}[1]{%
287 \@bibtitlestyle
288 \normalfont\bibliofont\labelsep .5em\relax
289 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
290 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
291 \bidi@thebibliography@font@hook%
292 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
293 \leftmargin\labelwidth \advance\leftmargin\labelsep
294 \usecounter{enumiv}}%
295 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
296 \sfcode`.=\@m
297 }{%
298 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
299 \endlist
300 }
301 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
302 \begingroup
303 \fontsize{\@xivpt}{18}\bfseries\centering
304 \ifnum\c@secnumdepth>\m@ne
305 \leavevmode \hskip-\ifRTL\rightskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\@xp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\ifRTL\rightskip\else\leftskip\fi\fi
310 #1\par \endgroup
311 \skip@34\p@ \advance\skip@-\normalbaselineskip
312 \vskip\skip@ }
313 \def\maketitle{\par

```



```

314 \@topnum\z@ % this prevents figures from falling at the top of page 1
315 \begingroup
316 \@maketitle
317 \endgroup
318 \c@footnote\z@
319 \def\do##1{\let##1\relax}%
320 \do\maketitle \do\@maketitle \do\title \do\xtitle \do\@title
321 \do\author \do\@xauthor \do\address \do\@xaddress
322 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
323 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
324 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
325 }

```

5 File amsmath-xetex-bidi.def

```

326 \ProvidesFile{amsmath-xetex-bidi.def}[2020/05/16 v1.2 bidi adaptations for amsmath package f
327 \let\veqno=\eqno
328 \iftagsleft@ \let\veqno=\leqno \fi
329 \renewcommand{\numberwithin}[3][\arabic]{%
330   \ifundefined{c@#2}{\@nocounterr{#2}}{%
331     \ifundefined{c@#3}{\@nocnterr{#3}}{%
332       \@addtoreset{#2}{#3}%
333       \xp\xdef\csname the#2\endcsname{%
334         \@xp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
335 }
336 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italicco
337
338 \bidi@patchcmd\math@cr@@@align\place@tag{%
339   \place@tag
340   \else
341     \place@tag
342 }{}{}
343

```

6 File amstext-xetex-bidi.def

```

344 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package f
345 \def\textdef@#1#2#3{\hbox{%
346   \everymath{#1}%
347   \let\fontsize#2\selectfont
348   \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}

```

7 File amsthm-xetex-bidi.def

```

349 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for
350 \def\@thmcountersep{\@SepMark}

```

8 File array-xetex-bidi.def

```

351 \ProvidesFile{array-xetex-bidi.def}[2024/12/10 v0.5 bidi adaptations for array package for X
352 \def\@testpach{\@chclass
353   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
354   \ifnum \@lastchclass=7 5 \else
355   \ifnum \@lastchclass=8 \tw@ \else

```



```

356 \ifnum \@lastchclass=9 \thr@@
357 \else \z@
358 \ifnum \@lastchclass = 10 \else
359 \edef\@nextchar{\expandafter\string\@nextchar}%
360 \@chnum
361 \if \@nextchar c\z@ \else
362 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
363 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
364 \z@ \@chclass
365 \if\@nextchar |\@ne \else
366 \if \@nextchar !6 \else
367 \if \@nextchar @7 \else
368 \if \@nextchar <8 \else
369 \if \@nextchar >9 \else
370 10
371 \@chnum
372 \if \@nextchar m\thr@@ \else
373 \if \@nextchar p4 \else
374 \if \@nextchar b5 \else
375 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
376 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
377 \def\@tabular{%
378 \leavevmode
379 \hbox \bgroup\if@RTLtab\beginR \fi
380 \UseTaggingSocket{tbl/hmode/begin}%
381 $\col@sep\tabcolsep \let\d@llarbegin\beginR
382 \let\d@llarend\endgroup
383 \@tabarray}
384 \def\endtabular{\endarray\m@th $
385 \UseTaggingSocket{tbl/hmode/end}%
386 \if@RTLtab\endR\fi\egroup
387 }
388 \expandafter\let\csname endtabular*\endcsname=\endtabular
389 \ExplSyntaxOn
390 \def\@array[#1]#2{
391 \@tempdima \ht \strutbox
392 \advance \@tempdima by\extrarowheight
393 \setbox \@arstrutbox \hbox{\vrule
394 \@height \arraystretch \@tempdima
395 \@depth \arraystretch \dp \strutbox
396 \@width \z@}%
397 \tbl_save_outer_table_cols:
398 \beginR
399 \mkpream{#2}%
400 \tbl_count_table_cols:
401 \xdef\@preamble{
402 \noexpand \ar@ialign
403 \@halignto
404 \bgroup \@arstrut
405 \UseTaggingSocket{tbl/row/begin}
406 \tbl_init_cell_data_for_row:
407 \@preamble
408 \tabskip \z@ \cr}
409 \endgroup

```



```

410 \@arrayleft
411 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
412 \bgroup
413 \let \@sharp ##\let \protect \relax
414 \lineskip \z@
415 \baselineskip \z@
416 \mathsurround \z@
417 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty
418 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
419 \UseTaggingSocket{tbl/init}
420 \@preamble
421 }
422 \ExplSyntaxOff
423 \let\@array\@array
424 \ExplSyntaxOn
425 \def\endarray {
426 \tbl_crcr:n{endarray} \egroup
427 \UseTaggingSocket{tbl/finalize}
428 \tbl_restore_outer_cell_data:
429 \if@RTLtab\egroup\endR\egroup\fi
430 \egroup
431 \@arrayright \gdef\@preamble{}}%
432 }
433 \ExplSyntaxOff
434 \def\array{\col@sep\arraycolsep
435 \def\d@llarbegin{${}\let\d@llarend\d@llarbegin\def\@halignto{}}%
436 \@RTLtabfalse\@tabarray}

```

9 File article-xetex-bidi.def

```

437 \ProvidesFile{article-xetex-bidi.def}[2024/12/07 v0.7 bidi adaptations for standard article
438 \if@titlepage
439 \renewcommand\maketitle{\begin{titlepage}%
440 \let\footnotesize\small
441 \let\right@footnoterule\relax
442 \let\left@footnoterule\relax
443 \let\textwidth@footnoterule\relax
444 \let \footnote \thanks
445 \let \LTRfootnote \LTRthanks
446 \let \RTLfootnote \RTLthanks
447 \null\vfil
448 \vskip 60\p@
449 \begin{center}%
450 {\LARGE \@title \par}%
451 \vskip 3em%
452 {\large
453 \lineskip .75em%
454 \begin{tabular}[t]{c}%
455 \@author
456 \end{tabular}\par}%
457 \vskip 1.5em%
458 {\large \@date \par}% % Set date in \large size.
459 \end{center}\par
460 \@thanks

```



```

461 \vfil\null
462 \end{titlepage}%
463 \setcounter{footnote}{0}%
464 \global\let\thanks\relax
465 \global\let\LTRthanks\relax
466 \global\let\RTLthanks\relax
467 \global\let\maketitle\relax
468 \global\let\@thanks\@empty
469 \global\let\@author\@empty
470 \global\let\@date\@empty
471 \global\let\@title\@empty
472 \global\let\title\relax
473 \global\let\author\relax
474 \global\let\date\relax
475 \global\let\and\relax
476 }
477 \else
478 \renewcommand\maketitle{\par
479 \begingroup
480 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
481 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
482 \long\def\@makefntext##1{\parindent 1em\noindent
483 \hb@xt@1.8em{%
484 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
485 \iftwocolumn
486 \ifnum \col@number=\@ne
487 \@maketitle
488 \else
489 \twocolumn[\@maketitle]%
490 \fi
491 \else
492 \newpage
493 \global\@topnum\z@ % Prevents figures from going at top of page.
494 \@maketitle
495 \fi
496 \thispagestyle{plain}\@thanks
497 \endgroup
498 \setcounter{footnote}{0}%
499 \global\let\thanks\relax
500 \global\let\LTRthanks\relax
501 \global\let\RTLthanks\relax
502 \global\let\maketitle\relax
503 \global\let\@maketitle\relax
504 \global\let\@thanks\@empty
505 \global\let\@author\@empty
506 \global\let\@date\@empty
507 \global\let\@title\@empty
508 \global\let\title\relax
509 \global\let\author\relax
510 \global\let\date\relax
511 \global\let\and\relax
512 }
513 \def\@maketitle{%
514 \newpage

```



```

515 \null
516 \vskip 2em%
517 \begin{center}%
518 \let \footnote \thanks
519 \let \LTRfootnote \LTRthanks
520 \let \RTLfootnote \RTLthanks
521 {\LARGE \@title \par}%
522 \vskip 1.5em%
523 {\large
524 \lineskip .5em%
525 \begin{tabular}[t]{c}%
526 \@author
527 \end{tabular}\par}%
528 \vskip 1em%
529 {\large \@date}%
530 \end{center}%
531 \par
532 \vskip 1.5em}
533 \fi
534 \renewcommand*\l@part[2]{%
535 \ifnum \c@tocdepth >-2\relax
536 \addpenalty\@secpenalty
537 \addvspace{2.25em \@plus\p@}%
538 \setlength\@tempdima{3em}%
539 \begingroup
540 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
541 \parfillskip -\@pnumwidth
542 {\leavevmode
543 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
544 \nobreak
545 \if@compatibility
546 \global\@nobreaktrue
547 \everypar{\global\@nobreakfalse\everypar{}}%
548 \fi
549 \endgroup
550 \fi}
551 \renewcommand*\l@section[2]{%
552 \ifnum \c@tocdepth >\z@
553 \addpenalty\@secpenalty
554 \addvspace{1.0em \@plus\p@}%
555 \setlength\@tempdima{1.5em}%
556 \begingroup
557 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
558 \parfillskip -\@pnumwidth
559 \leavevmode \bfseries
560 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
561 \hskip -\if@RTL\rightskip\else\leftskip\fi
562 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
563 \endgroup
564 \fi}
565 \renewcommand\left@footnoterule{%
566 \kern-3\p@
567 \hrule\@width.4\columnwidth
568 \kern2.6\p@}

```




```

569 \renewcommand\right@footnoterule{%
570   \kern-3\p@
571   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
572   \kern2.6\p@}
573 \renewcommand\thesubsection  {\thesection\@SepMark\@arabic\c@subsection}
574 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
575 \renewcommand\theparagraph   {\thesubsubsection\@SepMark\@arabic\c@paragraph}
576 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
577 \def\@part[#1]#2{%
578   \ifnum \c@secnumdepth >\m@ne
579     \refstepcounter{part}%
580     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
581   \else
582     \addcontentsline{toc}{part}{#1}%
583   \fi
584   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
585    \interlinepenalty \@M
586    \normalfont
587    \ifnum \c@secnumdepth >\m@ne
588      \Large\bfseries \partname\nobreakspace\thepart
589      \par\nobreak
590    \fi
591    \huge \bfseries #2%
592    \markboth{}{\par}%
593    \nobreak
594    \vskip 3ex
595    \@afterheading}
596 \bidi@patchcmd\@spart\raggedright{%
597   \if@RTL\raggedleft\else\raggedright\fi
598 }{}{\bidi@warningnoline{Oops! patching `string\@spart' failed}}
599 \renewenvironment{thebibliography}[1]
600   {\section*{\refname}%
601    \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
602    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
603    \bidi@@thebibliography@font@hook%
604    \list{\@biblabel{\@arabic\c@enumiv}}%
605          {\settowidth\labelwidth{\@biblabel{#1}}%
606           \leftmargin\labelwidth
607           \advance\leftmargin\labelsep
608           \@openbib@code
609           \usecounter{enumiv}%
610           \let\p@enumiv\@empty
611           \renewcommand\theenumiv{\@arabic\c@enumiv}}%
612   \sloppy
613   \clubpenalty4000
614   \@clubpenalty \clubpenalty
615   \widowpenalty4000%
616   \sfcode\.\@m}
617   {\def\@noitemerr
618    {\@latex@warning{Empty `thebibliography' environment}}}%
619   \endlist}
620 \renewenvironment{theindex}
621   {\if@twocolumn
622    \@restonecolfalse

```



```

623         \else
624             \@restonecoltrue
625         \fi
626         \columnseprule \z@
627         \columnsep 35\p@
628         \twocolumn[\section*{\indexname}]%
629         \@mkboth{\MakeUppercase\indexname}%
630             {\MakeUppercase\indexname}%
631         \thispagestyle{plain}\parindent\z@
632         \parskip\z@ \@plus .3\p@\relax
633         \let\item\@idxitem}
634     {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

635 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class f
636 \renewenvironment{theindex}{%
637     \if@twocolumn
638         \@restonecolfalse
639     \else
640         \@restonecoltrue
641     \fi
642     \columnseprule \z@
643     \columnsep 35\p@
644     \twocolumn[\section*{\indexname}]%
645     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
646     \thispagestyle{plain}\parindent\z@
647     \parskip\z@ \@plus .3\p@\relax
648     \let\item\@idxitem
649 }{%
650     \if@restonecol\onecolumn\else\clearpage\fi}
651 \renewcommand*\head@style{%
652     \interlinepenalty \@M
653     \hyphenpenalty=\@M \exhyphenpenalty=\@M
654     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
655 \if@titlepage
656     \renewenvironment{abstract}{%
657         \titlepage
658         \null\vfil
659         \section*{\SectFont\abstractname}
660         \noindent\ignorespaces}
661     {\par\vfil\null\endtitlepage}
662 \else
663     \renewenvironment{abstract}{%
664         \if@twocolumn
665             \section*{\abstractname}%
666         \else
667             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
668             \section*{\small\SectFont\abstractname}%
669             \noindent\ignorespaces
670         \fi}
671     {\if@twocolumn\else\par\egroup\fi}
672 \fi
673 \renewcommand*\@regtocline[3]{%

```



```

674 \ifnum #1>\c@tocdepth
675 \else
676 \vskip\z@\@plus.2\p@
677 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
678 \if@RTL\righskip\else\leftskip\fi\unitindent
679 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
680 \parfillskip\z@
681 \@tempdima\unitindent
682 \parindent\z@
683 \leavevmode
684 \hbox{ }\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
685 \hskip 1em \nobreak{\slshape #3}\par
686 }%
687 \fi}
688 \if@oldtoc
689 \renewcommand*\l@part[2]{%
690 \ifnum \c@tocdepth >-2\relax
691 \addpenalty\@secpenalty
692 \addvspace{2.25em \@plus\p@}%
693 \begingroup
694 \setlength\@tempdima{3em}%
695 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
696 \parfillskip -\@pnumwidth
697 {\leavevmode
698 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
699 \nobreak
700 \if@compatibility
701 \global\@nobreaktrue
702 \everypar{\global\@nobreakfalse\everypar{}}%
703 \fi
704 \endgroup
705 \fi}
706 \else
707 \renewcommand*\l@part{%
708 \ifnum \c@tocdepth >-2\relax
709 \addpenalty\@secpenalty
710 \addvspace{2.25em \@plus \p@}%
711 \@regtocline{0}%
712 \fi}
713 \fi
714 \if@oldtoc
715 \renewcommand*\l@section[2]{%
716 \addpenalty\@secpenalty
717 \addvspace{1.0em \@plus\p@}%
718 \setlength\@tempdima{1.5em}%
719 \begingroup
720 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
721 \parfillskip -\@pnumwidth
722 \leavevmode \bfseries
723 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
724 \hskip -\if@RTL\righskip\else\leftskip\fi
725 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
726 \endgroup}
727 \else

```



```

728 \renewcommand*\l@section{\@regtocline{1}}
729 \fi
730 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
731 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
732 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
733 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
734 \renewenvironment{thebibliography}[1]
735   {\section*\refname}%
736   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
737   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
738   \bidi@thebibliography@font@hook%
739   \list{\@biblabel{\@arabic\c@enumiv}}%
740     {\settowidth\labelwidth{\@biblabel{#1}}%
741     \leftmargin\labelwidth
742     \advance\leftmargin\labelsep
743     \@openbib@code
744     \usecounter{enumiv}%
745     \let\p@enumiv\@empty
746     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
747   \sloppy\clubpenalty4000\widowpenalty4000%
748   \sfcode\.\@m}
749   {\def\@noitemerr
750     {\@latex@warning{Empty `thebibliography' environment}}}%
751   \endlist}
752 \renewcommand*\left@footnoterule{%
753   \kern-3\p@
754   \kern.5\baselineskip
755   \hrule\@width\unitindent
756   \kern.4\baselineskip
757 }
758 \renewcommand*\right@footnoterule{%
759   \kern-3\p@
760   \kern.5\baselineskip
761   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
762   \kern.4\baselineskip}
763 \if@titlepage
764 \renewcommand*\TitleFont{\rmfamily}
765 \renewcommand*\maketitle{%
766   \begin{titlepage}%
767     \let\footnotesize\small
768     \let\right@footnoterule\relax
769     \let\left@footnoterule\relax
770     \let\textwidth@footnoterule\relax
771     \let \footnote \thanks
772     \long\def\@makefnctext##1{\parindent\z@
773       \def\labelitemi{\textendash}\@revlabeltrue
774       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
775     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
776     \if@compatibility\setcounter{page}{0}\fi
777     \null\vfil
778     \vskip 60\p@
779     \begin{center}%
780       \TitleFont
781       {\LARGE \def\{\penalty -\@M}

```



```

782     \if@allcaps
783     \expandafter\uc@nothanks\@title\thanks\relax
784     \else
785     \@title
786     \fi\par}%
787 \vskip 3em%
788 {\large
789 \lineskip .75em \parindent\z@
790 \begin{tabular}[t]{c}%
791 \if@allcaps
792 \expandafter\uc@authornothanks\@author\and\relax
793 \else
794 \@author
795 \fi
796 \end{tabular}\par}%
797 \vskip 1.5em%
798 {\large
799 \if@allcaps
800 \uppercase\expandafter{\@date}%
801 \else
802 \@date
803 \fi\par}%
804 \end{center}\par
805 \@thanks
806 \vfil\null
807 \end{titlepage}%
808 \setcounter{footnote}{0}%
809 \global\let\thanks\relax
810 \global\let\maketitle\relax
811 \global\let\@thanks\@empty
812 \global\let\@author\@empty
813 \global\let\@title\@empty
814 \global\let\@date\@empty
815 \global\let\title\relax
816 \global\let\author\relax
817 \global\let\date\relax
818 \global\let\and\relax
819 }
820 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
821 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
822 \futurelet\@tempa\uc@ax}
823 \def\uc@ax{%
824 \ifx\@tempa\relax
825 \else
826 \ \ \andname \ \ \expandafter\uc@authornothanks
827 \fi}
828 \def\uc@tx{\ifx\@tempa\relax
829 \else \expandafter\uc@ty \fi}
830 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
831 \else
832 \renewcommand*\maketitle{\par
833 \begingroup
834 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
835 \def\@makefnmark{\rlap{%

```



```

836     \@textsuperscript{\normalfont\@thefnmark}}}%
837 \long\def\@makefntext{\@xmakefntext{%
838     \@textsuperscript{\normalfont\@thefnmark}}}%
839 \if@twocolumn
840     \ifnum \col@number=\@ne
841         \@maketitle
842     \else
843         \twocolumn[\@maketitle]%
844     \fi
845 \else
846     \newpage
847     \global\@topnum\z@
848     \@maketitle
849 \fi
850 \thispagestyle{plain}\@thanks
851 \endgroup
852 \setcounter{footnote}{0}%
853 \global\let\thanks\relax
854 \global\let\maketitle\relax
855 \global\let\@maketitle\relax
856 \global\let\@thanks\@empty
857 \global\let\@author\@empty
858 \global\let\@title\@empty
859 \global\let\@date\@empty
860 \global\let\title\relax
861 \global\let\author\relax
862 \global\let\date\relax
863 \global\let\and\relax
864 }
865 \def\@maketitle{%
866     \newpage
867     \null
868     \vskip 2em%
869     \begin{center}%
870         \let \footnote \thanks
871         {\LARGE \TitleFont \@title \par}%
872         \vskip 1.5em%
873         {\large \TitleFont
874             \lineskip .5em%
875             \begin{tabular}[t]{c}%
876                 \@author
877             \end{tabular}\par}%
878         \vskip 1em%
879         {\large \TitleFont \@date}%
880     \end{center}%
881     \par
882     \vskip 1.5em}
883 \fi

```

11 File artikel2-xetex-bidi.def

```

884 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class f
885 \renewenvironment{theindex}{%
886     \if@twocolumn

```



```

887 \@restonecolfalse
888 \else
889 \@restonecoltrue
890 \fi
891 \columnseprule \z@
892 \columnsep 35\p@
893 \twocolumn[\section*{\indexname}]%
894 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
895 \thispagestyle{plain}\parindent\z@
896 \parskip\z@ \@plus .3\p@\relax
897 \let\item\@idxitem
898 }{%
899 \if@restonecol\onecolumn\else\clearpage\fi}
900 \renewcommand*\@regtocline[3]{%
901 \ifnum #1>\c@tocdepth
902 \else
903 \vskip\z@\@plus.2\p@
904 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
905 \ifRTL\righskip\else\leftskip\fi\unitindent
906 \ifRTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
907 \parfillskip\z@
908 \@tempdima\unitindent
909 \advance\@tempdima by \othermargin
910 \parindent\z@
911 \leavevmode
912 \hbox{\hskip -\ifRTL\righskip\else\leftskip\fi\relax#2\nobreak
913 \hskip 1em \nobreak{\slshape #3}\par
914 }%
915 \fi}
916 \if@oldtoc
917 \renewcommand*\l@section[2]{%
918 \addpenalty\@secpenalty
919 \addvspace{1.0em \@plus\p@}%
920 \setlength\@tempdima{1.5em}%
921 \begingroup
922 \parindent \z@ \ifRTL\leftskip\else\righskip\fi \@pnumwidth
923 \parfillskip -\@pnumwidth
924 \leavevmode \bfseries
925 \advance\ifRTL\righskip\else\leftskip\fi\@tempdima
926 \hskip -\ifRTL\righskip\else\leftskip\fi
927 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
928 \endgroup}
929 \else
930 \renewcommand*\l@section{\@regtocline{1}}
931 \fi
932 \if@oldtoc
933 \renewcommand*\l@part[2]{%
934 \ifnum \c@tocdepth >-2\relax
935 \addpenalty\@secpenalty
936 \addvspace{2.25em \@plus\p@}%
937 \begingroup
938 \setlength\@tempdima{3em}%
939 \parindent \z@ \ifRTL\leftskip\else\righskip\fi \@pnumwidth
940 \parfillskip -\@pnumwidth

```



```

941     {\leavevmode
942     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
943     \nobreak
944     \if@compatibility
945     \global\@nobreaktrue
946     \everypar{\global\@nobreakfalse\everypar{}}%
947     \fi
948   \endgroup
949 \fi}
950 \else
951   \renewcommand*\l@part{%
952     \ifnum \c@tocdepth >-2\relax
953     \addpenalty\@secpenalty
954     \advspace{2.25em \@plus \p@}%
955     \@regtocline{0}%
956   \fi}
957 \fi
958 \renewcommand*\head@style{%
959   \interlinepenalty \@M
960   \hyphenpenalty=\@M \exhyphenpenalty=\@M
961   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
962 \if@titlepage
963   \renewenvironment{abstract}{%
964     \titlepage
965     \null\vfil
966     \section*{\SectFont\abstractname}%
967     \noindent\ignorespaces}
968   {\par\vfil\null\endtitlepage}
969 \else
970   \renewenvironment{abstract}{%
971     \if@twocolumn
972     \section*{\abstractname}%
973     \else
974     \section*{\hskip\unitindent\small\SectFont\abstractname}%
975     \list{}{\setlength\listparindent{\unitindent}%
976       \setlength\parindent {\z@}%
977       \setlength\leftmargin {\unitindent}%
978       \setlength\rightmargin {\unitindent}%
979       \setlength\parsep {\z@}}%
980     \item[]%
981     \fi}
982   {\if@twocolumn\else\par\endlist\fi}
983 \fi
984 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
985 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
986 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
987 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
988 \renewcommand*\left@footnoterule{%
989   \kern-3\p@
990   \hrule\@width 3\unitindent
991   \kern 2.6\p@
992 }
993 \renewcommand*\right@footnoterule{%
994   \kern-3\p@

```




```

995 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
996 \kern 2.6\p@}
997 \renewenvironment{thebibliography}[1]
998   {\section*{\refname}%
999     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1000    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1001    \bidi@thebibliography@font@hook%
1002    \list{\@biblabel{\@arabic\c@enumiv}}%
1003      {\settowidth\labelwidth{\@biblabel{#1}}%
1004       \leftmargin\labelwidth
1005       \advance\leftmargin\labelsep
1006       \@openbib@code
1007       \usecounter{enumiv}%
1008       \let\p@enumiv\@empty
1009       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1010     \sloppy\clubpenalty4000\widowpenalty4000%
1011     \sfcode\.\@m}
1012   {\def\@noitemerr
1013     {\@latex@warning{Empty `thebibliography' environment}}}%
1014   \endlist}
1015 \if@titlepage
1016 \renewcommand*{\TitleFont}{\rmfamily}
1017 \renewcommand*{\maketitle}{%
1018 \begin{titlepage}%
1019   \let\footnotesize\small
1020   \let\right@footnoterule\relax
1021   \let\left@footnoterule\relax
1022   \let\textwidth@footnoterule\relax
1023   \let \footnote \thanks
1024   \long\def\@makefntext##1{\parindent\z@
1025     \def\labelitemi{\textendash}\@revlabeltrue
1026     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1027   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1028   \if@compatibility\setcounter{page}{0}\fi
1029   \null\vfil
1030   \vskip 60\p@
1031   \begin{center}%
1032     \TitleFont
1033     {\LARGE \def\{\{\penalty -\@M}
1034     \if@allcaps
1035       \expandafter\uc@nothanks\@title\thanks\relax
1036     \else
1037       \@title
1038     \fi\par}%
1039   \vskip 3em%
1040   {\large
1041     \lineskip .75em \parindent\z@
1042     \begin{tabular}[t]{c}%
1043       \if@allcaps
1044         \expandafter\uc@authornothanks\@author\and\relax
1045       \else
1046         \@author
1047       \fi
1048     \end{tabular}\par}%

```



```

1049     \vskip 1.5em%
1050     {\large
1051     \if@allcaps
1052     \uppercase\expandafter{\@date}%
1053     \else
1054     \@date
1055     \fi\par}%
1056     \end{center}\par
1057     \@thanks
1058     \vfil\null
1059 \end{titlepage}%
1060 \setcounter{footnote}{0}%
1061 \global\let\thanks\relax
1062 \global\let\maketitle\relax
1063 \global\let\@thanks\@empty
1064 \global\let\@author\@empty
1065 \global\let\@title\@empty
1066 \global\let\@date\@empty
1067 \global\let\title\relax
1068 \global\let\author\relax
1069 \global\let\date\relax
1070 \global\let\and\relax
1071 }
1072 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1073 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1074     \futurelet\@tempa\uc@ax}
1075 \def\uc@ax{%
1076     \ifx\@tempa\relax
1077     \else
1078     \ \andname \ \ \expandafter\uc@authornothanks
1079     \fi}
1080 \def\uc@tx{\ifx\@tempa\relax
1081     \else \expandafter\uc@ty \fi}
1082 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1083 \else
1084 \renewcommand*\maketitle{\par
1085     \begingroup
1086     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1087     \long\def\@makefntext##1{\parindent\z@
1088     \def\labelitemi{\textendash}%
1089     \leavevmode\hb@xt@.5\unitindent{%
1090     \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1091     \if@twocolumn
1092     \ifnum \col@number=\@ne
1093     \@maketitle
1094     \else
1095     \twocolumn[\@maketitle]%
1096     \fi
1097     \else
1098     \newpage
1099     \global\@topnum\z@
1100     \@maketitle
1101     \fi
1102     \thispagestyle{plain}\@thanks

```



```

1103 \endgroup
1104 \setcounter{footnote}{0}%
1105 \global\let\thanks\relax
1106 \global\let\maketitle\relax
1107 \global\let\@maketitle\relax
1108 \global\let\@thanks\@empty
1109 \global\let\@author\@empty
1110 \global\let\@title\@empty
1111 \global\let\@date\@empty
1112 \global\let\title\relax
1113 \global\let\author\relax
1114 \global\let\date\relax
1115 \global\let\and\relax
1116 }
1117 \def\@maketitle{%
1118 \newpage
1119 \null
1120 \vskip 2em%
1121 \begin{center}%
1122 \let \footnote \thanks
1123 {\LARGE \TitleFont \@title \par}%
1124 \vskip 1.5em%
1125 {\large \TitleFont
1126 \lineskip .5em%
1127 \begin{tabular}[t]{c}%
1128 \@author
1129 \end{tabular}\par}%
1130 \vskip 1em%
1131 {\large \TitleFont \@date}%
1132 \end{center}%
1133 \par
1134 \vskip 1.5em}
1135 \fi

```

12 File artikel3-xetex-bidi.def

```

1136 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class f
1137 \renewenvironment{theindex}{%
1138 \if@twocolumn
1139 \@restonecolfalse
1140 \else
1141 \@restonecoltrue
1142 \fi
1143 \columnseprule \z@
1144 \columnsep 35\p@
1145 \twocolumn[\section*{\indexname}]%
1146 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1147 \thispagestyle{plain}\parindent\z@
1148 \parskip\z@ \@plus .3\p@\relax
1149 \let\item\@idxitem
1150 }{%
1151 \if@restonecol\onecolumn\else\clearpage\fi}
1152 \renewcommand*\head@style{%
1153 \interlinepenalty \OM

```



```

1154 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1155 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1156 \renewcommand*\@regtocoline[3]{%
1157 \ifnum #1>\c@tocdepth
1158 \else
1159 \vskip\z@\@plus.2\p@
1160 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1161 \if@RTL\rightskip\else\leftskip\fi\unitindent
1162 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1163 \parfillskip\z@
1164 \@tempdima\unitindent
1165 \parindent\z@
1166 \leavevmode
1167 \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1168 \hskip 1em \nobreak{\slshape #3}\par
1169 }%
1170 \fi}
1171 \if@oldtoc
1172 \renewcommand*\l@part[2]{%
1173 \ifnum \c@tocdepth >-2\relax
1174 \addpenalty\@secpenalty
1175 \addvspace{2.25em \@plus\p@}%
1176 \begingroup
1177 \setlength\@tempdima{3em}%
1178 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1179 \parfillskip -\@pnumwidth
1180 {\leavevmode
1181 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1182 \nobreak
1183 \if@compatibility
1184 \global\@nobreaktrue
1185 \everypar{\global\@nobreakfalse\everypar{}}%
1186 \fi
1187 \endgroup
1188 \fi}
1189 \else
1190 \renewcommand*\l@part{%
1191 \ifnum \c@tocdepth >-2\relax
1192 \addpenalty\@secpenalty
1193 \addvspace{2.25em \@plus \p@}%
1194 \@regtocoline{0}%
1195 \fi}
1196 \fi
1197
1198 \if@oldtoc
1199 \renewcommand*\l@section[2]{%
1200 \addpenalty\@secpenalty
1201 \addvspace{1.0em \@plus\p@}%
1202 \setlength\@tempdima{1.5em}%
1203 \begingroup
1204 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1205 \parfillskip -\@pnumwidth
1206 \leavevmode \bfseries
1207 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima

```



```

1208 \hskip -\if@RTL\righskip\else\leftskip\fi
1209 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1210 \endgroup}
1211 \else
1212 \renewcommand*\l@section{\@regtocline{1}}
1213 \fi
1214 \if@titlepage
1215 \renewenvironment{abstract}{%
1216 \titlepage
1217 \null\vfil
1218 \section*\SectFont\abstractname}%
1219 \noindent\ignorespaces}
1220 {\par\vfil\null\endtitlepage}
1221 \else
1222 \renewenvironment{abstract}{%
1223 \if@twocolumn
1224 \section*\abstractname}%
1225 \else
1226 \bgroup\if@RTL\leftskip\else\righskip\fi=\unitindent
1227 \section*\small\SectFont\abstractname}%
1228 \noindent\ignorespaces
1229 \fi}
1230 {\if@twocolumn\else\par\egroup\fi}
1231 \fi
1232 \renewcommand*\left@footnoterule{%
1233 \kern-3\p@
1234 \kern.5\baselineskip
1235 \hrule\@width\unitindent
1236 \kern.4\baselineskip
1237 }
1238 \renewcommand*\right@footnoterule{%
1239 \kern-3\p@
1240 \kern.5\baselineskip
1241 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1242 \kern.4\baselineskip}
1243 \renewcommand*\thesubsection{\thesubsection\@SepMark\@arabic\c@subsection}
1244 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1245 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1246 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1247 \renewenvironment{thebibliography}[1]
1248 {\section*\refname}%
1249 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1250 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1251 \bidi\@thebibliography@font@hook%
1252 \list{\@biblabel{\@arabic\c@enumiv}}%
1253 {\settowidth\labelwidth{\@biblabel{#1}}%
1254 \leftmargin\labelwidth
1255 \advance\leftmargin\labelsep
1256 \@openbib@code
1257 \usecounter{enumiv}%
1258 \let\p@enumiv\@empty
1259 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1260 \sloppy\clubpenalty4000\widowpenalty4000%
1261 \sfcode\.\@m}

```



```

1262     {\def\@noitemerr
1263       {\@latex@warning{Empty `thebibliography' environment}}}%
1264       \endlist}
1265 \if@titlepage
1266 \renewcommand*{\TitleFont{\rmfamily}
1267 \renewcommand*{\maketitle{%
1268   \begin{titlepage}%
1269     \let\footnotesize\small
1270     \let\right@footnoterule\relax
1271     \let\left@footnoterule\relax
1272     \let\textwidth@footnoterule\relax
1273     \let \footnote \thanks
1274     \long\def\@makefnintext##1{\parindent\z@
1275       \def\labelitemi{\textendash}\@revelabeltrue
1276       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1277     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1278     \if@compatibility\setcounter{page}{0}\fi
1279     \null\vfil
1280     \vskip 60\p@
1281     \begin{center}%
1282       \TitleFont
1283       {\LARGE \def\{\penalty -\@M}
1284         \if@allcaps
1285           \expandafter\uc@nothanks\@title\thanks\relax
1286         \else
1287           \@title
1288         \fi\par}%
1289       \vskip 3em%
1290       {\large
1291         \lineskip .75em \parindent\z@
1292         \begin{tabular}[t]{c}%
1293           \if@allcaps
1294             \expandafter\uc@authornothanks\@author\and\relax
1295           \else
1296             \@author
1297           \fi
1298         \end{tabular}\par}%
1299       \vskip 1.5em%
1300       {\large
1301         \if@allcaps
1302           \uppercase\expandafter{\@date}%
1303         \else
1304           \@date
1305         \fi\par}%
1306       \end{center}\par
1307       \@thanks
1308       \vfil\null
1309     \end{titlepage}%
1310     \setcounter{footnote}{0}%
1311     \global\let\thanks\relax
1312     \global\let\maketitle\relax
1313     \global\let\@thanks\@empty
1314     \global\let\@author\@empty
1315     \global\let\@title\@empty

```



```

1316 \global\let\@date\@empty
1317 \global\let\title\relax
1318 \global\let\author\relax
1319 \global\let\date\relax
1320 \global\let\and\relax
1321 }
1322 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1323 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1324 \futurelet\@tempa\uc@ax}
1325 \def\uc@ax{%
1326 \ifx\@tempa\relax
1327 \else
1328 \ \andname \ \expandafter\uc@authornothanks
1329 \fi}
1330 \def\uc@tx{\ifx\@tempa\relax
1331 \else \expandafter\uc@ty \fi}
1332 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1333 \else
1334 \renewcommand*\maketitle{\par
1335 \begingroup
1336 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1337 \def\@makefnmark{\rlap{%
1338 \@textsuperscript{\normalfont\@thefnmark}}}%
1339 \long\def\@makefntext{\@xmakefntext{%
1340 \@textsuperscript{\normalfont\@thefnmark}}}%
1341 \if@twocolumn
1342 \ifnum \col@number=\@ne
1343 \maketitle
1344 \else
1345 \twocolumn[\maketitle]%
1346 \fi
1347 \else
1348 \newpage
1349 \global\@topnum\z@
1350 \maketitle
1351 \fi
1352 \thispagestyle{plain}\@thanks
1353 \endgroup
1354 \setcounter{footnote}{0}%
1355 \global\let\thanks\relax
1356 \global\let\maketitle\relax
1357 \global\let\@maketitle\relax
1358 \global\let\@thanks\@empty
1359 \global\let\@author\@empty
1360 \global\let\@title\@empty
1361 \global\let\@date\@empty
1362 \global\let\title\relax
1363 \global\let\author\relax
1364 \global\let\date\relax
1365 \global\let\and\relax
1366 }
1367 \def\@maketitle{%
1368 \newpage
1369 \null

```



```

1370 \vskip 2em%
1371 \if@titlecentered
1372 \begin{center}%
1373 \let \footnote \thanks
1374 {\LARGE \TitleFont \@title \par}%
1375 \vskip 1.5em%
1376 {\large \TitleFont
1377 \lineskip .5em%
1378 \begin{tabular}[t]{c}%
1379 \@author
1380 \end{tabular}\par}%
1381 \vskip 1em%
1382 {\large \TitleFont \@date}%
1383 \end{center}%
1384 \else
1385 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1386 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1387 \def\and{%% \begin{tabular} has already started
1388 \end{tabular}\hskip 1em plus .17fil
1389 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tabular}
1390 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\
1391 \vskip 1em {\large \TitleFont \@date}
1392 \fi
1393 \par
1394 \vskip 1.5em}
1395 \fi

```

13 File arydshln-xetex-bidi.def

```

1396 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1397 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1398 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1399 \expandafter\let\csname endtabular*\endcsname\endtabular
1400 \let\adl@array\@array
1401 \def\@array{\adl@everyvbox\everyvbox
1402 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1403 \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1404 \let\adl@noalign\noalign
1405 \adl@array}
1406 \ifadl@usingarypkg
1407 \def\@testpach{\@chclass
1408 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1409 \ifnum \@lastchclass=7 5 \else
1410 \ifnum \@lastchclass=8 \tw@ \else
1411 \ifnum \@lastchclass=9 \thr@@
1412 \else \z@
1413 \ifnum \@lastchclass = 10 \else
1414 \edef\@nextchar{\expandafter\string\@nextchar}%
1415 \@chnum
1416 \if \@nextchar c\z@ \else
1417 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1418 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1419 \z@ \@chclass
1420 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else

```




```

1421 \if\@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1422 \if\@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1423 \if \@nextchar !6 \else
1424 \if \@nextchar @7 \else
1425 \if \@nextchar <8 \else
1426 \if \@nextchar >9 \else
1427 10
1428 \@chnum
1429 \if \@nextchar m\thr@@ \else
1430 \if \@nextchar p4 \else
1431 \if \@nextchar b5 \else
1432 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1433 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1434
1435 \def\@classz{\@classx
1436 \@tempcnta \count@
1437 \prepnext@tok
1438 \@addtopreamble{\ifcase \@chnum
1439 \hfil
1440 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1441 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1442 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1443 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1444 \adl@endmbox\or
1445 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1446 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1447 \fi}\prepnext@tok}
1448 \def\adl@class@start{4}
1449 \def\adl@class@iiiorvii{7}
1450
1451 \else
1452 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1453 \ifnum \@lastchclass=\thr@@ 5\relax \else
1454 \z@ \if #1c\chnum \z@ \else
1455 \if \ifRTLTtab#1r\else#1l\fi\@chnum \@ne \else
1456 \if \ifRTLTtab#1l\else#1r\fi\@chnum \tw@ \else
1457 \@chclass
1458 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1459 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1460 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1461 \if #1@\tw@ \else
1462 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1463 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1464
1465 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1466 \or \or \@addamp \or
1467 \@acolampacol \or \@firstampfalse \@acol \fi
1468 \edef\@preamble{\@preamble
1469 \ifcase \@chnum
1470 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1471 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1472 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1473 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1474 \or \or \@addamp \or

```



```

1475         \@acolampacol \or \@firstampfalse \@acol \fi
1476     \edef\@preamble{\@preamble
1477     \ifcase \@chnum
1478         \hfil\adl@putlrc{\@sharp\unskip}\hfil
1479         \or \adl@putlrc{\@sharp\unskip}\hfil
1480         \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1481 \def\adl@class@start{6}
1482 \def\adl@class@iiiorvii{3}
1483 \fi
1484 \@ifpackageloaded{colortbl}{%
1485 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1486 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1487     \let\@endpbox\adl@org@endpbox}
1488 \let\adl@CT@setup\CT@setup
1489 \def\CT@setup{\adl@CT@setup
1490     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1491     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1492     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1493 \let\adl@act@CT@setup\CT@setup
1494 \def\@classz{\@classx
1495     \@tempcnta\count@ \prepnext@tok
1496     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1497     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1498     \expandafter\adl@extract@drsc
1499     \the\toks\@tempcnta\doublerulesepcolor!\@nil
1500     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1501     \@addtopreamble{\if@RTL\beginL\fi%
1502         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1503         \ifcase \@chnum
1504             \hskip\stretch{.5}\kern\z@
1505             \d@llarbegin
1506             \insert@column
1507             \d@llarend\hskip\stretch{.5}%
1508             \or \d@llarbegin \insert@column \d@llarend \hfill
1509             \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1510             \or $\vcenter
1511                 \@startpbox{\@nextchar}\insert@column \@endpbox $\%
1512             \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1513             \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1514             \fi
1515             \if@RTL\endR\fi\egroup\egroup
1516             \begingroup
1517                 \CT@setup
1518                 \CT@column@color
1519                 \CT@row@color
1520                 \CT@cell@color
1521                 \CT@do@color
1522             \endgroup
1523             \@tempdima\ht\z@
1524             \advance\@tempdima\minrowclearance
1525             \vrule\@height\@tempdima\@width\z@
1526             \unhbox\z@\if@RTL\endL\fi}%
1527     \prepnext@tok}
1528 \let\adl@act@classz\@classz

```



```
1529 \let\adl@org@classz \@classz
1530 }{}
```

14 File beamer-xetex-bidi.def

```
1531 \ProvidesFile{beamer-xetex-bidi.def}[2022/06/07 v0.3 bidi adaptations for beamer class for X
1532 \AtBeginDocument{%
1533   \if@RTLmain
1534     \raggedleft
1535   \else
1536     \raggedright
1537   \fi
1538 }
1539
1540 \renewcommand*{\bidi@beamer@ragged}{%
1541   \if@RTL
1542     \raggedleft
1543   \else
1544     \raggedright
1545   \fi
1546 }
1547
1548
```

15 File beamerbaseauxtemplates-xetex-bidi.def

```
1549 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2024/12/20 v0.4 bidi adaptations for be
1550 \bidi@csundef{beamer@tmpop@subsection in toc@sections numbered}
1551
1552 \bidi@csundef{beamer@tmpop@subsubsection in toc@sections numbered}
1553
1554 \bidi@csundef{beamer@tmpop@section in toc@subsections numbered}
1555
1556 \bidi@csundef{beamer@tmpop@subsection in toc@subsections numbered}
1557
1558 \bidi@csundef{beamer@tmpop@subsubsection in toc@subsections numbered}
1559
1560 \defbeamertemplate{subsection in toc}{sections numbered}
1561 {\leavevmode\bidi@beamer@leftskip=2.5em\inserttocsubsection\par}
1562
1563 \defbeamertemplate{subsubsection in toc}{sections numbered}
1564 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3.5em\usebeame
1565 \inserttocsubsubsection\par}
1566
1567 \defbeamertemplate{section in toc}{subsections numbered}
1568 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsection\par}
1569
1570 \defbeamertemplate{subsection in toc}{subsections numbered}
1571 {\leavevmode\bidi@beamer@leftskip=2em\rlap{\hskip=2em\inserttocsectionnumber.\inserttocsubse
1572
1573 \defbeamertemplate{subsubsection in toc}{subsections numbered}
1574 {\leavevmode\normalsize\usebeamerfont{subsection in
1575   toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1576 \inserttocsubsubsection\par}
```



```

1577
1578 \bidi@csundef{beamer@@tmpop@section in toc@circle}
1579
1580 \bidi@csundef{beamer@@tmpop@subsection in toc@circle}
1581
1582 \bidi@csundef{beamer@@tmpop@subsubsection in toc@circle}
1583
1584 \defbeamertemplate{section in toc}{circle}
1585 {\leavevmode\bidi@beamer@leftskip=2ex%
1586  \llap{%
1587   \usebeamerfont*{section number projected}%
1588   \usebeamercolor{section number projected}%
1589   \begin{pgfpicture}{-1ex}{0ex}{1ex}{2ex}
1590     \color{bg}
1591     \pgfpathcircle{\pgfpoint{0pt}{.75ex}}{1.2ex}
1592     \pgfusepath{fill}
1593     \pgftext[base]{\color{fg}\inserttocsectionnumber}
1594   \end{pgfpicture}\kern1.25ex%
1595  }%
1596  \inserttocsection\par}
1597
1598 \defbeamertemplate{subsection in toc}{circle}
1599 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsubsection\par}
1600
1601 \defbeamertemplate{subsubsection in toc}{circle}
1602 {\leavevmode\normalsize\usebeamerfont{subsection in
1603  toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1604  \inserttocsubsubsection\par}
1605
1606 \bidi@csundef{beamer@@tmpop@section in toc@square}
1607
1608 \bidi@csundef{beamer@@tmpop@subsection in toc@square}
1609
1610 \bidi@csundef{beamer@@tmpop@subsubsection in toc@square}
1611
1612 \bidi@csundef{beamer@@tmpop@enumerate item@square}
1613
1614 \bidi@csundef{beamer@@tmpop@enumerate subitem@square}
1615
1616 \bidi@csundef{beamer@@tmpop@enumerate subsubitem@square}
1617
1618 \bidi@csundef{beamer@@tmpop@enumerate mini template@square}
1619
1620 \defbeamertemplate{section in toc}{square}
1621 {\leavevmode\bidi@beamer@leftskip=3ex%
1622  \llap{%
1623   \usebeamerfont*{section number projected}%
1624   \usebeamercolor[bg]{section number projected}%
1625   \if@RTL
1626   \else
1627     \vrule width2.25ex height1.85ex depth.4ex%
1628     \hskip-2.25ex%
1629   \fi
1630   \hbox to2.25ex{{\hfil\color{fg}\inserttocsectionnumber\hfil}}}%

```



```

1631 \if@RTL
1632 \hskip-2.25ex%
1633 \vrule width2.25ex height1.85ex depth.4ex%
1634 \fi
1635 }\kern1.25ex}%
1636 \inserttocsection\par}
1637
1638 \defbeamerteremplate{subsection in toc}{square}
1639 {\leavevmode\bidibeamer@leftskip=5ex\llap{%
1640 \usebeamercolor[bg]{subsection number projected}%
1641 \vrule width1ex height1ex\kern1ex}}\inserttocsubsection\par}
1642
1643 \defbeamerteremplate{subsubsection in toc}{square}
1644 {\leavevmode\normalsize\usebeamerfont{subsection in
1645 toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1646 \llap{%
1647 \usebeamercolor[bg]{subsubsection number projected}%
1648 \vrule width0.75ex height0.75ex\kern1ex}}\inserttocsubsubsection\par}
1649
1650 \defbeamerteremplate{enumerate item}{square}
1651 {
1652 \hbox{%
1653 \usebeamerfont*{item projected}%
1654 \usebeamercolor[bg]{item projected}%
1655 \if@RTL
1656 \else
1657 \vrule width2.25ex height1.85ex depth.4ex%
1658 \hskip-2.25ex%
1659 \fi
1660 \hbox to2.25ex{%
1661 \hfil%
1662 \color{fg}\insertenumlabel%
1663 \hfil}}%
1664 \if@RTL
1665 \hskip-2.25ex%
1666 \vrule width2.25ex height1.85ex depth.4ex%
1667 \fi
1668 }}%
1669 }
1670 [action]
1671 {\setbeamerfont{item projected}{size=\scriptsize}}
1672
1673 \defbeamerteremplate{enumerate subitem}{square}
1674 {
1675 \hbox{%
1676 \usebeamerfont*{subitem projected}%
1677 \usebeamercolor[bg]{subitem projected}%
1678 \if@RTL
1679 \else
1680 \vrule width2.25ex height1.85ex depth.4ex%
1681 \hskip-2.25ex%
1682 \fi
1683 \hbox to2.25ex{%
1684 \hfil%

```



```

1685     \color{fg}\insertsubenumlabel%
1686     \hfil}}%
1687     \if@RTL
1688         \hskip-2.25ex%
1689         \vrule width2.25ex height1.85ex depth.4ex%
1690     \fi
1691 }}%
1692 }
1693
1694 \defbeameritemtemplate{enumerate subsubitem}{square}
1695 {
1696     \hbox{%
1697         \usebeamerfont*{subitem projected}%
1698         \usebeamercolor[bg]{subsubitem projected}%
1699         \if@RTL
1700         \else
1701             \vrule width2.25ex height1.85ex depth.4ex%
1702             \hskip-2.25ex%
1703         \fi
1704         \hbox to2.25ex{%
1705             \hfil%
1706             \color{fg}\insertsubsubenumlabel%
1707             \hfil}}%
1708         \if@RTL
1709             \hskip-2.25ex%
1710             \vrule width2.25ex height1.85ex depth.4ex%
1711         \fi
1712     }}%
1713 }
1714
1715 \defbeameritemtemplate{enumerate mini template}{square}
1716 {
1717     \hbox{%
1718         \usebeamerfont*{\beameritemnestingprefix item projected}%
1719         \usebeamercolor[bg]{\beameritemnestingprefix item projected}%
1720         \if@RTL
1721         \else
1722             \vrule width2.25ex height1.85ex depth.4ex%
1723             \hskip-2.25ex%
1724         \fi
1725         \hbox to2.25ex{%
1726             \hfil%
1727             \color{fg}\insertenumlabel%
1728             \hfil}}%
1729         \if@RTL
1730             \hskip-2.25ex%
1731             \vrule width2.25ex height1.85ex depth.4ex%
1732         \fi
1733     }}%
1734 }
1735
1736 \bidi\csundef{beamer@tmpop@section in toc@ball unnumbered}
1737
1738 \bidi\csundef{beamer@tmpop@subsection in toc@ball unnumbered}

```



```

1739
1740 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball unnumbered}
1741
1742 \defbeamertemplate{section in toc}{ball unnumbered}
1743 {\leavevmode\bidi@beamer@leftskip=2.25ex%
1744 \llap{%
1745 \raise0.1ex\beamer@usesphere{section number projected}{bigsphere}\kern1.25ex}%
1746 \inserttocsection\par}
1747
1748 \defbeamertemplate{subsection in toc}{ball unnumbered}
1749 {\leavevmode\bidi@beamer@leftskip=5.1ex\llap{%
1750 \raise0.2ex\beamer@usesphere{subsection number projected}{smallsphere}\kern1ex}\inserttoc
1751
1752 \defbeamertemplate{subsubsection in toc}{ball unnumbered}
1753 {\leavevmode\normalsize\usebeamerfont{subsection in
1754 toc}\bidi@beamer@leftskip=8.2ex\usebeamerfont{subsubsection in toc}%
1755 \llap{%
1756 \beamer@usesphere{subsubsection number projected}{smallsphere}\kern0.75ex}\inserttocsub
1757
1758 \bidi@csundef{beamer@@tmpop@section in toc@ball}
1759
1760 \bidi@csundef{beamer@@tmpop@subsection in toc@ball}
1761
1762 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball}
1763
1764 \defbeamertemplate{section in toc}{ball}
1765 {\leavevmode\bidi@beamer@leftskip=2.75ex%
1766 \llap{%
1767 \normalsize%
1768 \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1769 \pgftext{\beamer@usesphere{section number projected}{tocsphere}}
1770 \pgftext{%
1771 \usebeamerfont*{section number projected}%
1772 \usebeamerfontcolor{section number projected}%
1773 \color{fg!90!bg}%
1774 \inserttocsectionnumber}
1775 \end{pgfpicture}%
1776 \kern1.25ex}%
1777 \inserttocsection\par
1778 }
1779 [action]
1780 {\setbeamerfont{section number projected}{size=\scriptsize}}
1781
1782 \defbeamertemplate{subsection in toc}{ball}
1783 {\leavevmode\bidi@beamer@leftskip=5ex%
1784 \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigsphere}\kern1ex}%
1785 \inserttocsubsection\par%
1786 }
1787
1788 \defbeamertemplate{subsubsection in toc}{ball}
1789 {\leavevmode\normalsize\usebeamerfont{subsection in
1790 toc}\bidi@beamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1791 \llap{\beamer@usesphere{subsubsection number projected}{bigsphere}\kern0.75ex}%
1792 \inserttocsubsubsection\par%

```



```

1793 }
1794
1795 \bidi@csundef{beamer@@tmpop@block begin@rounded}
1796
1797 \bidi@csundef{beamer@@tmpop@block alerted begin@rounded}
1798
1799 \bidi@csundef{beamer@@tmpop@block example begin@rounded}
1800
1801 \defbeamertemplate{block begin}{rounded}[1][shadow=false]
1802 {%
1803   \par\vskip\medskipamount%
1804   \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1805     {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1806     \bidi@beamer@ragged%
1807     \usebeamerfont{block body}%
1808 }
1809
1810 \defbeamertemplate{block alerted begin}{rounded}[1][shadow=false]
1811 {%
1812   \par\vskip\medskipamount%
1813   \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1814     {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%
1815     \bidi@beamer@ragged%
1816     \usebeamerfont{block body alerted}%
1817 }%
1818
1819 \defbeamertemplate{block example begin}{rounded}[1][shadow=false]
1820 {%
1821   \par\vskip\medskipamount%
1822   \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]%
1823     {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%
1824     \bidi@beamer@ragged%
1825     \usebeamerfont{block body example}%
1826 }%
1827
1828 \bidi@csundef{beamer@@tmpop@caption@numbered}
1829
1830 \defbeamertemplate{caption}{numbered}
1831 {%
1832   \leavevmode
1833   \bidi@beamer@ragged
1834   {%
1835     \usebeamercolor[fg]{caption name}%
1836     \usebeamerfont*{caption name}%
1837     \insertcaptionname~\insertcaptionnumber
1838     \usebeamertemplate{caption label separator}%
1839   }%
1840   \insertcaption\par
1841 }
1842
1843 \bidi@csundef{beamer@@tmpop@caption@caption name own line}
1844
1845 \defbeamertemplate{caption}{caption name own line}
1846 {%

```




```

1847 \begin{minipage}{\textwidth}
1848   \leavevmode
1849   \bidi@beamer@ragged
1850   {%
1851     \usebeamercolor[fg]{caption name}%
1852     \usebeamerfont*{caption name}%
1853     \insertcaptionname%
1854   }\\
1855   \insertcaption
1856 \end{minipage}
1857 }
1858
1859 \@ifpackageloaded{caption}{%
1860   \DeclareCaptionFont{beamer@font}{%
1861     \usebeamerfont*{caption}%
1862     \usebeamercolor[fg]{caption}%
1863   }
1864   \SetCaptionDefault{font}{beamer@font}
1865   \DeclareCaptionJustification{bidi@beamer@ragged}{\bidi@beamer@ragged}
1866   \SetCaptionDefault{justification}{bidi@beamer@ragged}
1867 }{}
1868

```

16 File beamerbaseboxes-xetex-bidi.def

```

1869 \ProvidesFile{beamerbaseboxes-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamerbas
1870 \renewcommand\beamerboxesrounded[2] [] {%
1871   \global\let\beamer@firstlineitemizeunskip=\relax%
1872   \vbox\bgroup%
1873   \setkeys{beamerboxes}{upper=block title,lower=block body,width=\textwidth,shadow=false}%
1874   \setkeys{beamerboxes}{#1}%
1875   {%
1876     \usebeamercolor{\bmb@lower}%
1877     \globalcolorstrue%
1878     \colorlet{lower.bg}{bg}%
1879   }%
1880   {%
1881     \usebeamercolor{\bmb@upper}%
1882     \globalcolorstrue%
1883     \colorlet{upper.bg}{bg}%
1884   }%
1885   %
1886   % Typeset head
1887   %
1888   \vskip4bp
1889   \setbox\bmb@box=\hbox{%
1890     \begin{minipage}[b]{\bmb@width}%
1891       \usebeamercolor[fg]{\bmb@upper}%
1892       #2%
1893     \end{minipage}}%
1894   \ifdim\wd\bmb@box=0pt%
1895     \setbox\bmb@box=\hbox{}%
1896     \ht\bmb@box=1.5pt%
1897     \bmb@prevheight=-4.5pt%

```



```

1898 \else%
1899   \wd\bmb@box=\bmb@width%
1900   \bmb@temp=\dp\bmb@box%
1901   \ifdim\bmb@temp<1.5pt%
1902     \bmb@temp=1.5pt%
1903   \fi%
1904   \setbox\bmb@box=\hbox{\raise\bmb@temp\hbox{\box\bmb@box}}%
1905   \dp\bmb@box=0pt%
1906   \bmb@prevheight=\ht\bmb@box%
1907 \fi%
1908 \bmb@temp=\bmb@width%
1909 \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1910 \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%
1911 \hbox{%
1912   \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1913     \ifdim\wd\bmb@box=0pt%
1914       \color{lower.bg}%
1915     \else%
1916       \color{upper.bg}%
1917     \fi%
1918     \pgfpathmoveto{-4bp}{-1bp}
1919     \pgfpathcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1920     \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1921     \pgfpathcurveto
1922       {\pgfpoint{\bmb@dima}{3bp}}%
1923       {\pgfpoint{\bmb@dimb}{1.2bp}}%
1924       {\pgfpoint{\bmb@dimb}{-1bp}}%
1925     \bmb@dima=-\ht\bmb@box%
1926     \advance\bmb@dima by-2pt%
1927     \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1928     \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1929     \pgfusepath{fill}
1930   \end{pgfpicture}%
1931   \copy\bmb@box%
1932 }%
1933 \nointerlineskip%
1934 \vskip-1pt%
1935 \ifdim\wd\bmb@box=0pt%
1936 \else%
1937 \hbox{%
1938   \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1939     \bmb@dima=\bmb@width%
1940     \advance\bmb@dima by8bp%
1941     \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1942     \pgfusepath{clip}
1943     {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext[left,base]{\pgfuseshading{\bmb@transi
1944   \end{pgfpicture}%
1945 }%
1946 \nointerlineskip%
1947 \vskip-0.5pt%
1948 \fi%
1949 \setbox\bmb@colorbox=\hbox{\pgfpicturetrue\pgfsetcolor{lower.bg}}%
1950 \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1951   \vskip2pt%

```



```

1952 \usebeamercolor [fg]{\bmb@lower}%
1953 \colorlet{beamerstructure}{upper.bg}%
1954 \colorlet{structure}{upper.bg}%
1955 %\color{.}%
1956 \@bidi@list@minipage@parboxfalse
1957 }
1958
1959 \bidi@patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1960 \begingroup
1961 \@RTLfalse
1962 }{}{}
1963
1964

```

17 File beamerbasecolor-xetex-bidi.def

```

1965 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for beamerbas
1966 \renewenvironment{beamercolorbox}[2][]{%
1967 \def\beamer@vmode{\leavevmode}%
1968 \setkeys{beamercolbox}{wd=\textwidth,ht={},dp={},%
1969 leftskip=Opt,rightskip=Opt plus1fil,%
1970 sep=Opt,colsep=Opt,colsep*=0pt,%
1971 shadow=false,rounded=false,ignorebg=false}%
1972 \ifRTL
1973 \setkeys{beamercolbox}{rightskip=Opt,leftskip=Opt plus1fil}%
1974 \else
1975 \setkeys{beamercolbox}{leftskip=Opt,rightskip=Opt plus1fil}%
1976 \fi
1977 \setkeys{beamercolbox}{#1}%
1978 \ifbeamercoloreempty [bg]{#2}{\@tempswafalse}{\@tempwatruer}%
1979 \ifbeamer@colbox@ignorebg\@tempswafalse\fi%
1980 \def\beamer@colbox@color{#2}%
1981 \setbox\beamer@tempbox=\hbox\bgroup\color@begingroup
1982 \ifbeamer@colbox@ignorebg%
1983 \colorlet{beamer@temp@color}{bg}%
1984 \usebeamercolor [fg]{#2}%
1985 \colorlet{bg}{beamer@temp@color}%
1986 \else%
1987 \usebeamercolor [fg]{#2}%
1988 \fi%
1989 \beginL
1990 \vbox\bgroup%
1991 \hsize=\beamer@colbox@wd%
1992 \@arrayparboxrestore%
1993 \leftskip=\beamer@colbox@ls%
1994 \ifdim\beamer@colbox@sep>z@\advance\leftskip\beamer@colbox@sep\fi%
1995 \rightskip=\beamer@colbox@rs%
1996 \ifdim\beamer@colbox@sep>z@\advance\rightskip\beamer@colbox@sep\fi%
1997 \if@tempswa\ifdim\beamer@colbox@colsep>z@%
1998 \advance\leftskip by\beamer@colbox@colsep%
1999 \advance\rightskip by\beamer@colbox@colsep%
2000 \vskip\beamer@colbox@colsep%
2001 \fi%
2002 \ifdim\beamer@colbox@colseps>z@\vskip\beamer@colbox@colseps\fi%

```



```

2003 \fi%
2004 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
2005 \beamer@vmode\ignorespaces}{%
2006 \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
2007 \if@tempswa
2008 \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
2009 \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
2010 \fi%
2011 \egroup\endL\color@endgroup\egroup%
2012 \wd\beamer@tempbox=\beamer@colbox@wd%
2013 \ifx\beamer@colbox@ht\@empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
2014 \ifx\beamer@colbox@dp\@empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
2015 \ifbeamer@colbox@rounded%
2016 \if@tempswa%
2017 \begin{beamerboxesrounded}[%
2018 shadow=\beamer@colbox@shadow,%
2019 lower=\beamer@colbox@color,%
2020 upper=normal text,%
2021 width=\beamer@colbox@wd]{}%
2022 \box\beamer@tempbox%
2023 \end{beamerboxesrounded}%
2024 \else%
2025 \ifdim\wd\beamer@tempbox>\textwidth%
2026 \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
2027 \fi%
2028 \box\beamer@tempbox%
2029 \fi%
2030 \else%
2031 \if@tempswa\setbox\beamer@tempbox=\hbox{%
2032 \usebeamercolor{\beamer@colbox@color}%
2033 \hskip-\beamer@colbox@colseps%
2034 \fboxsep=\z@\colorbox{bg}{%
2035 \hskip\beamer@colbox@colseps%
2036 \box\beamer@tempbox%
2037 \hskip\beamer@colbox@colseps%
2038 }%
2039 \hskip-\beamer@colbox@colseps%
2040 }\fi%
2041 \ifdim\wd\beamer@tempbox>\textwidth%
2042 \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box\beamer@tempbox%
2043 \fi%
2044 \box\beamer@tempbox%
2045 \fi%
2046 }
2047
2048

```

18 File beamerbasecompatibility-xetex-bidi.def

```

2049 \ProvidesFile{beamerbasecompatibility-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for b
2050 \def\insertvrule#1#2{\hbox{{\color{#2}\hskip-\Gm@lmargin\vrule width \paperwidth height #1\h
2051
2052

```



19 File beamerbaseframecomponents-xetex-bidi.def

```
2053 \ProvidesFile{beamerbaseframecomponents-xetex-bidi.def}[2023/08/02 v0.6 bidi adaptations for
2054 \renewcommand{\setbeamersize}[1]{%
2055   \beamer@dogeometryfalse%
2056   \setkeys{beamer@margin}{#1}%
2057   \ifbeamer@dogeometry%
2058     % Reset left margin now
2059     \beamer@tempdim=\beamer@leftmargin%
2060     \advance\beamer@tempdim by\beamer@leftsidebar%
2061     \if@RTLmain
2062       \geometry{right=\the\beamer@tempdim}%
2063     \else
2064       \geometry{left=\the\beamer@tempdim}%
2065     \fi
2066     % Reset right margin now
2067     \beamer@tempdim=\beamer@rightmargin%
2068     \advance\beamer@tempdim by\beamer@rightsidebar%
2069     \if@RTLmain
2070       \geometry{left=\the\beamer@tempdim}%
2071     \else
2072       \geometry{right=\the\beamer@tempdim}%
2073     \fi
2074   \fi%
2075 }
2076
2077 \newcommand*{\bidi@beamer@Gm@lmargin}{%
2078   \if@RTLmain
2079     \Gm@rmargin
2080   \else
2081     \Gm@lmargin
2082   \fi
2083 }
2084
2085 \newcommand*{\bidi@beamer@Gm@rmargin}{%
2086   \if@RTLmain
2087     \Gm@lmargin
2088   \else
2089     \Gm@rmargin
2090   \fi
2091 }
2092
2093 \def\ps@navigation{
2094   \def\@oddhead{%
2095     \begingroup%
2096     \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransiti
2097     \beamer@tempdim=\ht\beamer@tempbox%
2098     \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
2099     \wd\beamer@tempbox=Opt\ht\beamer@tempbox=Opt\dp\beamer@tempbox=Opt%
2100     \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
2101     \beamer@tempdim=\ht\@tempboxa%
2102     \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
2103     \wd\@tempboxa=Opt\ht\@tempboxa=Opt\dp\@tempboxa=Opt%
2104     \vbox{\hbox{\hskip-\bidi@beamer@Gm@lmargin\box\beamer@tempbox\box\@tempboxa}}%
```



```

2105 \hbox{%
2106   {%
2107     \setbox\beamer@tempbox=\hbox{\hskip-\bidi@beamer@Gm@lmargin%
2108     \if@RTLmain
2109       {%
2110         \vbox to \sidebarheight{%
2111           \usebeamertemplate***{sidebar left}%
2112           \vfil%
2113         }}%
2114     \@ifpackageloaded{beamerinnerthemeinmargin}{}{%
2115       \hskip-\textwidth
2116     }}%
2117     \fi
2118     {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2119       \usebeamercolor*{sidebar left}%
2120       \usebeamertemplate{sidebar canvas left}%
2121       \vss%
2122     }}%
2123     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2124     \box\beamer@tempbox}%
2125     \if@RTLmain
2126     \else
2127     {%
2128       \vbox to \sidebarheight{%
2129         \usebeamertemplate***{sidebar left}%
2130         \vfil%
2131       }}\fi}%
2132     \beamer@tempdim=\ht\beamer@tempbox%
2133     \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2134     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2135     \box\beamer@tempbox%
2136   }%
2137   {% print right sidebar first, since it should be overwritten by headline
2138     \setbox\beamer@tempbox=\hbox{\hskip\textwidth\hskip\beamer@rightmargin%
2139     \if@RTLmain
2140       {%
2141         \vbox to \sidebarheight{%
2142           \usebeamertemplate***{sidebar right}%
2143           \vfil%
2144         }}%
2145       \hskip-\textwidth
2146     \fi
2147     {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2148       \usebeamercolor*{sidebar right}%
2149       \usebeamertemplate{sidebar canvas right}%
2150       \vss%
2151     }}%
2152     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2153     \box\beamer@tempbox}%
2154     \if@RTLmain
2155     \else
2156     {%
2157       \vbox to \sidebarheight{%
2158         \usebeamertemplate***{sidebar right}%

```



```

2159         \vfil%
2160     }}\fi}%
2161     \beamer@tempdim=\ht\beamer@tempbox%
2162     \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2163     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2164     \box\beamer@tempbox%
2165     }%
2166     \beamer@typesetheadorfoot{headline}%
2167     }%
2168     \hfil}%
2169     \endgroup}
2170 \def\@oddfoot{%
2171     \vbox{\offinterlineskip\hbox{\beamer@typesetheadorfoot{footline}}%
2172     \hfil}\hbox{}}\hfil
2173 }%
2174 \let\@evenhead\@oddhead
2175 \let\@evenfoot\@oddfoot}
2176
2177 \AtBeginDocument{%
2178     \pagestyle{navigation}%
2179 }
2180
2181 \def\beamer@typesetheadorfoot#1{% typeset the head or footline
2182     {\parskip0pt\offinterlineskip%
2183     \hbox{%
2184         \hskip-\bidi@beamer@Gm@lmargin%
2185         \hbox{%
2186             \vbox{%
2187                 \@tempdima=\textwidth%
2188                 \textwidth=\paperwidth%
2189                 \hspace=\textwidth%
2190                 \def\{\,%
2191                     \usebeamertemplate***{#1}%
2192                 }}%
2193                 \hskip-\bidi@beamer@Gm@rmargin%
2194             }}\hfil%
2195     }
2196
2197 \def\ps@empty{%
2198     \let\@mkboth\@gobbletwo%
2199     \def\@oddhead{\begingroup%
2200         \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransiti
2201         \beamer@tempdim=\ht\beamer@tempbox%
2202         \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2203         \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2204         \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}}%
2205         \beamer@tempdim=\ht\@tempboxa%
2206         \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}}%
2207         \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
2208         \vbox{\hbox{\hskip-\Gm@lmargin\raise\headheight\box\beamer@tempbox\raise\headheight\box\
2209         \endgroup%
2210     }
2211     \def\@oddfoot{\normalcolor{\hfil%
2212         \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{navigation symbols}\hskip-\bidi@beame

```



```

2213 \ht\beamer@tempbox=0pt%
2214 \dp\beamer@tempbox=0pt%
2215 \box\beamer@tempbox}}
2216 \let\@evenhead\@oddhead\let\@evenfoot\@oddfont}
2217
2218 \renewcommand<>\beamer@columncom[2][\beamer@colmode]{%
2219 \beamer@colclose%
2220 \def\beamer@colclose{\end{minipage}\hfill\end{actionenv}\ignorespaces}%
2221 \begin{actionenv}#3%
2222 \setkeys{beamer@col}{#1}%
2223 \begin{minipage}[\beamer@colalign]{#2}%
2224 \leavevmode\ bidi\beamer@ragged\beamer@colheadskip\ignorespaces}
2225
2226 \renewenvironment<>{columns}[1][]{%
2227 \begin{actionenv}#2%
2228 \ifbeamer@onlytextwidth
2229 \def\beamer@colentrycode{\hbox to\textwidth\bgroup\ignorespaces}%
2230 \def\beamer@colexitcode{\unskip\egroup}
2231 \else%
2232 \def\beamer@colentrycode{%
2233 \hbox to\textwidth\bgroup%
2234 \leavevmode%
2235 \hskip-\beamer@leftmargin%
2236 \nobreak%
2237 \beamer@tempdim=\textwidth%
2238 \advance\beamer@tempdim by\beamer@leftmargin%
2239 \advance\beamer@tempdim by\beamer@rightmargin%
2240 \hbox to\beamer@tempdim\bgroup%
2241 \hbox{}\hfill\ignorespaces}%
2242 \def\beamer@colexitcode{\egroup%
2243 \nobreak%
2244 \hskip-\beamer@rightmargin\egroup}%
2245 \fi%
2246 \ifbeamer@centered\setkeys{beamer@col}{c}\else\setkeys{beamer@col}{t}\fi%
2247 \setkeys{beamer@col}{#1}%
2248 \par%
2249 \leavevmode
2250 \beamer@colentrycode%
2251 \def\beamer@colclose{\ignorespaces}%
2252 {\beamer@colclose\def\beamer@colclose{\beamer@colexitcode\end{actionenv}}}%
2253
2254
2255 \def\@makeRTLfnote#1{%
2256 \def\insertfootnotetext{#1}%
2257 \def\insertfootnotemark{\@makefnmark}%
2258 \usebeamertemplate***{RTLfootnote}}
2259
2260 \def\@makeLTRfnote#1{%
2261 \def\insertfootnotetext{#1}%
2262 \def\insertfootnotemark{\@makefnmark}%
2263 \usebeamertemplate***{LTRfootnote}}
2264
2265 \renewcommand<>\beamer@framefootnotetext[1]{%
2266 \global\setbox\beamer@footins\vbox{%

```




```

2267 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
2268 \hsize\framewidth
2269 \textwidth\hsize
2270 \columnwidth\hsize
2271 \unvbox\beamer@footins
2272 \reset@font
2273 \bidi@footnotetext@font
2274 \@parboxrestore
2275 \protected@edef\@currentlabel
2276     {\csname p@footnote\endcsname\@thefnmark}%
2277 \color@begingroup
2278     \uncover#2{\@makefnstext{%
2279         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2280 \color@endgroup}}
2281
2282 \renewcommand<>\beamer@frameRTLfootnotetext[1]{%
2283     \global\setbox\beamer@footins\vbox{%
2284         \@RTLtrue
2285         \hsize\framewidth
2286         \textwidth\hsize
2287         \columnwidth\hsize
2288         \unvbox\beamer@footins
2289         \reset@font
2290         \bidi@RTLfootnotetext@font
2291         \@parboxrestore
2292         \protected@edef\@currentlabel
2293             {\csname p@footnote\endcsname\@thefnmark}%
2294         \color@begingroup
2295             \uncover#2{\@makeRTLfnstext{%
2296                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2297         \color@endgroup}}
2298
2299 \renewcommand<>\beamer@frameLTRfootnotetext[1]{%
2300     \global\setbox\beamer@footins\vbox{%
2301         \@RTLfalse
2302         \hsize\framewidth
2303         \textwidth\hsize
2304         \columnwidth\hsize
2305         \unvbox\beamer@footins
2306         \reset@font
2307         \bidi@LTRfootnotetext@font
2308         \@parboxrestore
2309         \protected@edef\@currentlabel
2310             {\csname p@footnote\endcsname\@thefnmark}%
2311         \color@begingroup
2312             \uncover#2{\@makeLTRfnstext{%
2313                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2314         \color@endgroup}}
2315
2316 \renewcommand<>\@mpfootnotetext[1]{%
2317 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnotetext\@mpfootnotetext\else\let\bidi@mpfootnotetext\@mpfootnotetext\fi
2318 \global\setbox\@mpfootins\vbox{%
2319     \unvbox\@mpfootins
2320     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi

```



```

2321 \reset@font
2322 \bidi@footnotetext@font
2323 \hsize\columnwidth
2324 \@parboxrestore
2325 \protected@edef\@currentlabel
2326     {\csname p@mpfootnote\endcsname\@thefnmark}%
2327 \color@begingroup
2328     \uncover#2{\@makefnstext{%
2329         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2330 \color@endgroup}}
2331
2332 \renewcommand<>\@mpRTLfootnotetext [1] {%
2333 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
2334 \global\setbox\@mpfootins\vbox{%
2335     \unvbox\@mpfootins
2336     \@RTLtrue
2337     \reset@font
2338     \bidi@RTLfootnotetext@font
2339     \hsize\columnwidth
2340     \@parboxrestore
2341     \protected@edef\@currentlabel
2342         {\csname p@mpfootnote\endcsname\@thefnmark}%
2343     \color@begingroup
2344         \uncover#2{\@makeRTLfnstext{%
2345             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2346     \color@endgroup}}
2347
2348 \renewcommand<>\@mpLTRfootnotetext [1] {%
2349 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
2350 \global\setbox\@mpfootins\vbox{%
2351     \unvbox\@mpfootins
2352     \@RTLfalse
2353     \reset@font
2354     \bidi@LTRfootnotetext@font
2355     \hsize\columnwidth
2356     \@parboxrestore
2357     \protected@edef\@currentlabel
2358         {\csname p@mpfootnote\endcsname\@thefnmark}%
2359     \color@begingroup
2360         \uncover#2{\@makeLTRfnstext{%
2361             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2362     \color@endgroup}}
2363
2364 \let\@footnotetext=\beamer@framefootnotetext
2365 \let\@RTLfootnotetext=\beamer@frameRTLfootnotetext
2366 \let\@LTRfootnotetext=\beamer@frameLTRfootnotetext
2367
2368 \footdir@temp\footdir@ORG@bidi@beamer@footnotetext\@footnotetext{\bidi@footdir@footnote}%
2369 \footdir@temp\footdir@ORG@bidi@beamer@RTLfootnotetext\@RTLfootnotetext{R}%
2370 \footdir@temp\footdir@ORG@bidi@beamer@LTRfootnotetext\@LTRfootnotetext{L}%
2371
2372 \renewcommand<>{\footnote} [1] [] {%
2373     \let\beamer@footnotetext=\@footnotetext%
2374     \let\beamer@mpfn=\@mpfn%

```



```

2375 \let\beamer@thempfn=\thempfn%
2376 \let\beamer@kvorig=\KV@errx%
2377 \let\beamer@xkvorig=\XKV@err
2378 \def\beamer@footarg{}%
2379 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2380 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2381 \setkeys{beamerfootnote}{#1}%
2382 \let\KV@errx=\beamer@kvorig%
2383 \let\XKV@errx=\beamer@xkvorig
2384 \ifx\beamer@footarg\@empty%
2385   \def\beamer@next{\stepcounter\beamer@mpfn
2386     \protected@xdef\@thefnmark{\beamer@thempfn}%
2387     \@footnotemark\beamer@footnotetext#2}%
2388 \else%
2389   \def\beamer@next{%
2390     \begingroup
2391       \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2392       \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2393     \endgroup
2394     \@footnotemark\beamer@footnotetext#2}%
2395 \fi%
2396 \beamer@next}
2397
2398 \renewcommand<>{\RTLfootnote}[1][ ]{%
2399   \let\beamer@RTLfootnotetext=\@RTLfootnotetext%
2400   \let\beamer@mpfn=\@mpfn%
2401   \let\beamer@thempfn=\thempfn%
2402   \let\beamer@kvorig=\KV@errx%
2403   \let\beamer@xkvorig=\XKV@err
2404   \def\beamer@footarg{}%
2405   \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2406   \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2407   \setkeys{beamerfootnote}{#1}%
2408   \let\KV@errx=\beamer@kvorig%
2409   \let\XKV@errx=\beamer@xkvorig
2410   \ifx\beamer@footarg\@empty%
2411     \def\beamer@next{\stepcounter\beamer@mpfn
2412       \protected@xdef\@thefnmark{\beamer@thempfn}%
2413       \@footnotemark\beamer@RTLfootnotetext#2}%
2414   \else%
2415     \def\beamer@next{%
2416       \begingroup
2417         \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2418         \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2419       \endgroup
2420       \@footnotemark\beamer@RTLfootnotetext#2}%
2421   \fi%
2422   \beamer@next}
2423
2424 \renewcommand<>{\LTRfootnote}[1][ ]{%
2425   \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
2426   \let\beamer@mpfn=\@mpfn%
2427   \let\beamer@thempfn=\thempfn%
2428   \let\beamer@kvorig=\KV@errx%

```



```

2429 \let\beamer@xkvorig=\XKV@err
2430 \def\beamer@footarg{}%
2431 \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2432 \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2433 \setkeys{beamerfootnote}{#1}%
2434 \let\KV@errx=\beamer@kvorig%
2435 \let\XKV@errx=\beamer@xkvorig
2436 \ifx\beamer@footarg\@empty%
2437   \def\beamer@next{\stepcounter\beamer@mpfn
2438     \protected@xdef\@thefnmark{\beamer@thempfn}%
2439     \@footnotemark\beamer@LTRfootnotetext#2}%
2440 \else%
2441   \def\beamer@next{%
2442     \begingroup
2443       \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2444       \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2445     \endgroup
2446     \@footnotemark\beamer@LTRfootnotetext#2}%
2447 \fi%
2448 \beamer@next}
2449
2450

```

20 File beamerbaseframesize-xetex-bidi.def

```

2451 \ProvidesFile{beamerbaseframesize-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamer]
2452 \def\beamer@framezoom<#1><#2>[#3](#4,#5)(#6,#7){%
2453   \par\nointerlineskip%
2454   \global\beamer@slidehaszoomtrue%
2455   \advance\beamer@zoomcount by1\relax%
2456   \def\beamer@zoomborderwidth{0}%
2457   \edef\beamer@labelzoomed{\beamer@labelzoomed@the\beamer@zoomframecount @the\beamer@zoomcount}%
2458   \setkeys{beamerzoom}{#3}%
2459   \only<#1>{%
2460     {hypersetup{pdfhighlight={/P},pdfborder={0 0 \beamer@zoomborderwidth}}}%
2461     \global\setbox\@tempboxa=\vbox{\hyperlink{\beamer@labelzoomed}{%
2462       \expandafter\ifx\csname XeTeXrevision\endcsname\relax
2463         \vbox to #7{%
2464           \hbox to#6{\hfil}%
2465           \vfil%
2466         }%
2467       \else%
2468         \begingroup%
2469         \normalsize%
2470         \begin{pgfpicture}{0pt}{0pt}{#6}{#7}%
2471           \pgfsetfillopacity{0}
2472           \pgftext[x=0cm,y=3pt]{.}
2473           \pgftext[x=#6,y=\dimexpr#7-\baselineskip+3pt]{.}
2474         \end{pgfpicture}%
2475         \endgroup%
2476       \fi%
2477     }%}}%
2478   \ht\@tempboxa=0pt%
2479   \wd\@tempboxa=0pt%

```



```

2480 \dp\@tempboxa=0pt%
2481 \setbox\@tempboxa=\vbox{\if@RTL\moveleft\else\moveright\fi#4\hbox{\lower#5\vbox{\box\@temp
2482 \ht\@tempboxa=0pt%
2483 \wd\@tempboxa=0pt%
2484 \dp\@tempboxa=0pt%
2485 \global\setbox\beamer@zoombox=\vbox to0pt{\unvbox\beamer@zoombox\box\@tempboxa}%
2486 }%
2487 \only<#2>{%
2488 \ifundefined{\beamer@labelzoomed}%
2489 {%
2490 \hypertarget{\beamer@labelzoomed}{}%
2491 \expandafter\gdef\csname\beamer@labelzoomed\endcsname{}%
2492 }{}%
2493 \gdef\beamer@zoomer{%
2494 % compute zoom factor
2495 \@tempdima=\beamer@frametextheight%
2496 \@tempdimb=#7\relax%
2497 \@tempcnta=\@tempdimb%
2498 \divide\@tempcnta by4096\relax%
2499 \multiply\@tempdima by16\relax%
2500 \divide\@tempdima by\@tempcnta%
2501 \@tempdimb=\paperwidth%
2502 \ifbeamer@plainframe%
2503 \else%
2504 \advance\@tempdimb by-\beamer@leftsidebar%
2505 \advance\@tempdimb by-\beamer@rightsidebar\relax%
2506 \fi%
2507 \@tempdimc=#6\relax%
2508 \@tempcntb=\@tempdimc%
2509 \divide\@tempcntb by4096\relax%
2510 \multiply\@tempdimb by16\relax%
2511 \divide\@tempdimb by\@tempcntb%
2512 \ifdim\@tempdimb<\@tempdima%
2513 \@tempdima=\@tempdimb%
2514 \fi%
2515 \edef\beamer@temp{\strip@pt\@tempdima}%
2516 \@tempdimc=\beamer@frametextheight%
2517 \advance\@tempdimc by4pt%
2518 \@tempdimb=\paperwidth%
2519 \ifbeamer@plainframe%
2520 \else%
2521 \advance\@tempdimb by-\beamer@leftsidebar%
2522 \advance\@tempdimb by-\beamer@rightsidebar\relax%
2523 \fi%
2524 \setbox\@tempboxa=\vbox{\hsize=\@tempdimb\Acrobatmenu{GoBack}{\vbox to
2525 \beamer@frametextheight{\hbox to\@tempdimb{\hfil}\vfil}}}%
2526 \ht\@tempboxa=0pt%
2527 \wd\@tempboxa=0pt%
2528 \dp\@tempboxa=0pt%
2529 \setbox\beamer@framebox=\vbox to\beamer@frametextheight{%
2530 \ifbeamer@plainframe\beamer@leftmargin=\Gm@lmargin\fi%
2531 \if@RTL
2532 \begin{pgfpicture}{\paperwidth-\beamer@leftmargin}{-\beamer@frametextheight}{\pape
2533 \pgftext[right,top]{\box\@tempboxa}

```



```

2534         \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2535         \pgfusepath{clip}
2536         \beginpgfgroup
2537             \pgftransformscale{\beamer@temp}
2538             \@tempdima=#4\relax%
2539             \@tempdimb=#5\relax%
2540             {\pgftransformshift{\pgfpoint{\@tempdima+#6}{\@tempdimb}}}%
2541             \pgftext [right, top]{\vbox{\vbox{} \nointerlineskip \unvbox \beamer@framebox}}
2542         \endpgfgroup
2543     \end{pgfpicture}%
2544     \else
2545     \begin{pgfpicture}{\beamer@leftmargin}{-\beamer@frametextheight}{\beamer@leftmargin}
2546         \pgftext [left, top]{\box\@tempboxa}
2547         \pgfpathrectangle{\pgfpoint{0pt}{-\@tempdimc}}{\pgfpoint{\@tempdimb}{\@tempdimc}}
2548         \pgfusepath{clip}
2549         \beginpgfgroup
2550             \pgftransformscale{\beamer@temp}
2551             \@tempdima=#4\relax%
2552             \@tempdimb=#5\relax%
2553             {\pgftransformshift{\pgfpoint{-\@tempdima}{\@tempdimb}}}%
2554             \pgftext [left, top]{\vbox{\vbox{} \nointerlineskip \unvbox \beamer@framebox}}
2555         \endpgfgroup
2556     \end{pgfpicture}%
2557     \fi
2558 }%
2559 \setbox\beamer@framebox=\vbox{%
2560     \nobreak\vbox{} \nobreak\par \nobreak\beamer@entrycode \nobreak%
2561     \nointerlineskip \unvbox \beamer@frametitlebox%
2562     \nobreak%
2563     \box\beamer@framebox%
2564     \nobreak%
2565     \vss%
2566     \beamer@exitcode%
2567 }%
2568 \global\setbox\beamer@footins=\box\voidb@x% no footnotes in zoomed slides
2569 }%
2570 }%
2571 }
2572
2573

```

21 File beamerbaselocalstructure-xetex-bidi.def

```

2574 \ProvidesFile{beamerbaselocalstructure-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
2575 \def\beamer@enum@{%
2576     \beamer@computepref\@itemdepth% sets \beameritemnestingprefix
2577     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2578     \bgroup
2579     \usebeamerfont[fg]{itemize/enumerate \beameritemnestingprefix body}%
2580     \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2581     \egroup
2582     \expandafter
2583     \list
2584     {\usebeamertemplate{\beamer@enumtempl}}

```



```

2585     {\usecounter\@enumctr%
2586       \def\makelabel##1{\hss\llap{\%
2587         \usebeamerfont*{enumerate \beameritemnestingprefix item}%
2588         \usebeamercolor[fg]{enumerate \beameritemnestingprefix item}##1}}}}%
2589 \beamer@cramped%
2590 \bidi@beamer@ragged%
2591 \beamer@firstlineitemizeunskip%
2592 }
2593
2594 \renewcommand{\itemize}[1][\]{%
2595   \ifblank{##1}{\def\beamer@defaultospec{##1}}%
2596   \ifnum \@itemdepth >2\relax\@toodeep\else
2597     \advance\@itemdepth\@ne
2598     \beamer@compute@pref\@itemdepth% sets \beameritemnestingprefix
2599     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2600     \bgroup
2601     \usebeamercolor[fg]{itemize/enumerate \beameritemnestingprefix body}%
2602     \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2603     \egroup
2604     \list
2605       {\usebeamertemplate{itemize \beameritemnestingprefix item}}
2606       {\def\makelabel##1{\%
2607         {\%
2608           \hss\llap{\%
2609             \usebeamerfont*{itemize \beameritemnestingprefix item}%
2610             \usebeamercolor[fg]{itemize \beameritemnestingprefix item}##1}}}}%
2611         }%
2612       }%
2613     }
2614   \fi%
2615   \beamer@cramped%
2616   \bidi@beamer@ragged%
2617   \beamer@firstlineitemizeunskip%
2618 }
2619
2620 \def\@@description{%
2621   \advance\beamer@descdefault by \labelsep%
2622   \usebeamerfont{description body}%
2623   \bgroup
2624   \usebeamercolor[fg]{description body}%
2625   \usebeamertemplate{description body begin}%
2626   \egroup
2627   \list
2628     {}
2629     {\labelwidth\beamer@descdefault\leftmargin\beamer@descdefault\let\makelabel\beamer@descrip
2630     \beamer@cramped%
2631     \bidi@beamer@ragged
2632     \beamer@firstlineitemizeunskip%
2633   }
2634
2635 \renewenvironment{thebibliography}[1]
2636 {\leavevmode\unskip%
2637 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2638 \bidi@@thebibliography@font@hook%

```



```

2639 \list{\@biblabel{\@arabic\c@enumiv}}%
2640         {\settowidth\labelwidth{\beamer@biblabeltemplate{\@biblabel{#1}}}%
2641         \leftmargin\labelwidth
2642         \advance\leftmargin\labelsep
2643         \itemsep=0pt%
2644         \partopsep=0pt%
2645         \topsep=0pt%
2646         \usecounter{enumiv}}%
2647         \let\p@enumiv\@empty
2648         \renewcommand\theenumiv{\@arabic\c@enumiv}
2649         \let\makelabel\beamer@biblabeltemplate}%
2650 \sloppy\bidibeamer@ragged
2651 \clubpenalty10000
2652 \@clubpenalty \clubpenalty
2653 \widowpenalty10000%
2654 \sfcode\.\@m}
2655 {\def\@noitemerr
2656   {\@latex@warning{Empty `thebibliography' environment}}}%
2657 \ifhmode\unskip\fi\endlist}
2658
2659

```

22 File beamerbasemisc-xetex-bidi.def

```

2660 \ProvidesFile{beamerbasemisc-xetex-bidi.def}[2022/06/27 v0.1 bidi adaptations for beamerbase
2661 \define@key{beamerst}{width}{%
2662   \def\beamer@ststart{%
2663     \begin{minipage}[t]{#1}%
2664     \bidi@beamer@ragged
2665     \beamer@stalign
2666     \beamer@stlinebreakrule
2667   }%
2668   \def\beamer@stend{\end{minipage}}}}
2669
2670

```

23 File beamerbasenavigation-xetex-bidi.def

```

2671 \ProvidesFile{beamerbasenavigation-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for beam
2672 \def\slideentry#1#2#3#4#5#6{%
2673   %section number, subsection number, slide number, first/last frame, page number, part numb
2674   \ifnum#6=\c@part\ifnum#1>0\ifnum#3>0%
2675     \ifbeamer@compress%
2676       \advance\beamer@xpos by1\relax%
2677     \else%
2678       \ifnum#2=0%
2679         \beamer@ypos@offset=1\relax%
2680       \fi
2681       \beamer@xpos=#3\relax%
2682       \beamer@ypos=#2\relax%
2683       \advance\beamer@ypos by \beamer@ypos@offset\relax
2684     \fi%
2685   \hbox to 0pt{%
2686     \beamer@tempdim=-\beamer@vboxoffset%

```




```

2687 \advance\beamer@tempdim by-\beamer@boxsize%
2688 \multiply\beamer@tempdim by\beamer@ypos%
2689 \advance\beamer@tempdim by -.05cm%
2690 \raise\beamer@tempdim\hbox{%
2691 \beamer@tempdim=\beamer@boxsize%
2692 \multiply\beamer@tempdim by\beamer@xpos%
2693 \advance\beamer@tempdim by -\beamer@boxsize%
2694 \advance\beamer@tempdim by 1pt%
2695 \kern\beamer@tempdim
2696 \global\beamer@section@min@dim\beamer@tempdim
2697 \hbox{\beamer@link(#4){%
2698 \usebeamerfont{mini frame}%
2699 \ifnum\c@section=#1%
2700 \ifnum\c@subsection=#2%
2701 \usebeamercolor[fg]{mini frame}%
2702 \ifnum\c@subsectionslide=#3%
2703 \usebeamertemplate{mini frame}%\beamer@minislidehighlight%
2704 \else%
2705 \usebeamertemplate{mini frame in current subsection}%\beamer@minisliderowhighlight%
2706 \fi%
2707 \else%
2708 \usebeamercolor{mini frame}%
2709 \%color{fg!50!bg}%
2710 \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2711 \fi%
2712 \else%
2713 \usebeamercolor{mini frame}%
2714 \%color{fg!50!bg}%
2715 \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2716 \fi%
2717 }}}\hskip-10cm plus 1fil%
2718 }\fi\fi%
2719 \else%
2720 \fakeslideentry{#1}{#2}{#3}{#4}{#5}{#6}%
2721 \fi\ignorespaces
2722 }
2723
2724 \pgfdefobject{bidi@beamer@RTL@gotosymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2725 {
2726 \pgfpathmoveto{3.5bp}{0.5bp}
2727 \pgfpathqlineto{1.5bp}{2bp}
2728 \pgfpathqlineto{3.5bp}{3.5bp}
2729 \pgfusepathqfill
2730 }
2731
2732 \def\insertgotosymbol{%
2733 \if@RTL
2734 \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2735 \pgfuseobject{bidi@beamer@RTL@gotosymbol}%
2736 \end{pgfpicture}%
2737 \else
2738 \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2739 \pgfuseobject{beamer@gotosymbol}%
2740 \end{pgfpicture}%

```



```

2741 \fi
2742 }
2743
2744 \pgfdefobject{bidi@beamer@RTL@skipsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{7pt}{5pt}}
2745 {
2746   \pgfpathmoveto{5.5bp}{0.5bp}
2747   \pgfpathqlineto{3.5bp}{2bp}
2748   \pgfpathqlineto{5.5bp}{3.5bp}
2749   \pgfpathmoveto{3.5bp}{0.5bp}
2750   \pgfpathqlineto{1.5bp}{2bp}
2751   \pgfpathqlineto{3.5bp}{3.5bp}
2752   \pgfusepathqfill
2753 }
2754
2755 \def\insertskipsymbol{%
2756 \if@RTL
2757   \begin{pgfpicture}{-1pt}{0pt}{6pt}{5pt}
2758     \pgfuseobject{bidi@beamer@RTL@skipsymbol}%
2759   \end{pgfpicture}%
2760 \else
2761   \begin{pgfpicture}{1pt}{0pt}{8pt}{5pt}
2762     \pgfuseobject{beamer@skipsymbol}%
2763   \end{pgfpicture}%
2764 \fi
2765 }
2766
2767 \pgfdefobject{bidi@beamer@RTL@returnsymbol}{\pgfpoint{0pt}{-1pt}}{\pgfpoint{5pt}{5pt}}
2768 {
2769   \pgfpathmoveto{1.5bp}{0.5bp}
2770   \pgfpathqlineto{3.5bp}{2bp}
2771   \pgfpathqlineto{1.5bp}{3.5bp}
2772   \pgfusepathqfill
2773 }
2774
2775 \def\insertreturnsymbol{%
2776 \if@RTL
2777   \begin{pgfpicture}{-1pt}{0pt}{4pt}{5pt}
2778     \pgfuseobject{bidi@beamer@RTL@returnsymbol}%
2779   \end{pgfpicture}%
2780 \else
2781   \begin{pgfpicture}{1pt}{0pt}{6pt}{5pt}
2782     \pgfuseobject{beamer@returnsymbol}%
2783   \end{pgfpicture}%
2784 \fi
2785 }
2786
2787

```

24 File beamerbaseoverlay-xetex-bidi.def

```

2788 \ProvidesFile{beamerbaseoverlay-xetex-bidi.def}[2022/06/10 v0.1 bidi adaptations for beamer]
2789 \renewcommand<>{\color}{\alt#1{\beameroriginal{\color}}{\beamer@gobbleoptionalinsp}}
2790
2791

```



25 File beamerinnerthemedefault-xetex-bidi.def

```
2792 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/27 v0.6 bidi adaptations for b
2793 \newcommand*{\bidi@beamer@leftskip}{%
2794   \if@RTL
2795     \rightskip
2796   \else
2797     \leftskip
2798   \fi
2799 }
2800
2801 \newcommand*{\bidi@beamer@rightskip}{%
2802   \if@RTL
2803     \leftskip
2804   \else
2805     \rightskip
2806   \fi
2807 }
2808
2809 \bidi@csundef{beamer@@tmpop@subsection in toc@default}
2810
2811 \bidi@csundef{beamer@@tmpop@subsubsection in toc@default}
2812
2813 \defbeamertemplate*{subsection in toc}{default}
2814 {\leavevmode\bidi@beamer@leftskip=1.5em\inserttocsubsection\par}
2815
2816 \defbeamertemplate*{subsubsection in toc}{default}
2817 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3em%
2818   \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}
2819
2820 \newcommand*{\bidi@beamer@blacktriangle}{%
2821   \if@RTL
2822     $\blacktriangleleft$%
2823   \else
2824     $\blacktriangleright$%
2825   \fi
2826 }
2827
2828 \bidi@csundef{beamer@@tmpop@itemize item@default}
2829
2830 \bidi@csundef{beamer@@tmpop@itemize subitem@default}
2831
2832 \bidi@csundef{beamer@@tmpop@itemize subsubitem@default}
2833
2834 \defbeamertemplate*{itemize item}{default}{\usebeamerfont*{itemize item}\raise1.25pt\hbox{\
2835 \defbeamertemplate*{itemize subitem}{default}{\usebeamerfont*{itemize subitem}\raise1.5pt\hb
2836 \defbeamertemplate*{itemize subsubitem}{default}{\usebeamerfont*{itemize subsubitem}\raise1.
2837
2838 \bidi@undef\beamer@@tmpop@footnote@default
2839
2840 \defbeamertemplate*{footnote}{default}
2841 {
2842   \parindent 1em\noindent%
2843   \bidi@beamer@ragged
```



```

2844 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2845 }
2846
2847 \defbeamertemplate*{RTLfootnote}{default}
2848 {
2849 \parindent 1em\noindent%
2850 \raggedleft
2851 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2852 }
2853
2854 \defbeamertemplate*{LTRfootnote}{default}
2855 {
2856 \parindent 1em\noindent%
2857 \raggedright
2858 \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2859 }
2860
2861 \bidi@undef\beamer@@tmpop@caption@default
2862
2863 \defbeamertemplate*{caption}{default}
2864 {%
2865 \bidi@beamer@ragged
2866 {%
2867 \leavevmode
2868 \usebeamercolor[fg]{caption name}%
2869 \usebeamerfont*{caption name}%
2870 \insertcaptionname
2871 \usebeamertemplate{caption label separator}%
2872 }%
2873 \insertcaption\par
2874 }
2875
2876 \bidi@csundef{beamer@@tmpop@block begin@default}
2877
2878 \bidi@csundef{beamer@@tmpop@block alerted begin@default}
2879
2880 \bidi@csundef{beamer@@tmpop@block example begin@default}
2881
2882 \defbeamertemplate*{block begin}{default}
2883 {
2884 \par\vskip\medskipamount%
2885 \begin{beamercolorbox}[colsep*=.75ex]{block title}
2886 \usebeamerfont*{block title}\insertblocktitle%
2887 \end{beamercolorbox}%
2888 {\parskip0pt\par}%
2889 \ifbeamercolorempy[bg]{block title}
2890 {}
2891 {\ifbeamercolorempy[bg]{block body}{\nointerlineskip\vskip-0.5pt}}%
2892 \usebeamerfont{block body}%
2893 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body}%
2894 \ifbeamercolorempy[bg]{block body}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+\base}
2895 }
2896
2897 \defbeamertemplate*{block alerted begin}{default}

```



```

2898 {
2899   \par\vskip\medskipamount%
2900   \begin{beamercolorbox}[colsep*=.75ex]{block title alerted}
2901     \usebeamerfont*{block title alerted}\insertblocktitle%
2902   \end{beamercolorbox}%
2903   {\parskip0pt\par}%
2904   \ifbeamercoloreempty[bg]{block title alerted}
2905   {}
2906   {\ifbeamercoloreempty[bg]{block body alerted}{\nointerlineskip\vskip-0.5pt}}%
2907   \usebeamerfont{block body alerted}%
2908   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body alerted}%
2909     \ifbeamercoloreempty[bg]{block body alerted}\vskip-.25ex{\leavevmode\vskip-\dimexpr.75ex}
2910   }
2911 }
2912 \defbeamertemplate*{block example begin}{default}
2913 {
2914   \par\vskip\medskipamount%
2915   \begin{beamercolorbox}[colsep*=.75ex]{block title example}
2916     \usebeamerfont*{block title example}\insertblocktitle%
2917   \end{beamercolorbox}%
2918   {\parskip0pt\par}%
2919   \ifbeamercoloreempty[bg]{block title example}
2920   {}
2921   {\ifbeamercoloreempty[bg]{block body example}{\nointerlineskip\vskip-0.5pt}}%
2922   \usebeamerfont{block body example}%
2923   \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body example}%
2924     \ifbeamercoloreempty[bg]{block body example}\vskip-.25ex{\leavevmode\vskip-\dimexpr.75ex}
2925   }
2926 }
2927 \bidi@csundef{beamer@tmpop@abstract begin@default}
2928 }
2929 \defbeamertemplate*{abstract begin}{default}
2930 {\beamercolorbox[vmode]{abstract}\bidi@beamer@leftskip2em\bidi@beamer@rightskip2em plus 1fil}
2931 }
2932 \bidi@undef\beamer@tmpop@button@default
2933 }
2934 \defbeamertemplate*{button}{default}
2935 {%
2936   \setbox\beamer@tempbox=\hbox{\insertbuttontext}%
2937   \ht\beamer@tempbox=6pt%
2938   \dp\beamer@tempbox=0pt%
2939   \setbox\beamer@tempbox=\vbox{\box\beamer@tempbox\vskip2pt}%
2940   \beamer@tempdim=\wd\beamer@tempbox%
2941   \beamer@dima=\beamer@tempdim\advance\beamer@dima by2.2pt
2942   \beamer@dimb=\beamer@tempdim\advance\beamer@dimb by4pt
2943   \if@RTL
2944     \kern4pt%
2945     \box\beamer@tempbox%
2946     \hskip-\beamer@tempdim%
2947   \fi
2948   \begin{pgfpicture}{-4pt}{0pt}{\the\beamer@tempdim}{8pt}
2949     \color{bg}
2950     \pgfsetlinewidth{0.8pt}
2951     \pgfpathmoveto{0pt}{0pt}

```



```

2952 \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2953 \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2954 \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2955 \pgfpathcurveto%
2956 {\pgfpoint{\the\beamer@dima}{8pt}}%
2957 {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2958 {\pgfpoint{\the\beamer@dimb}{4pt}}
2959 \pgfpathcurveto%
2960 {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2961 {\pgfpoint{\the\beamer@dima}{0pt}}%
2962 {\pgfpoint{\the\beamer@tempdim}{0pt}}
2963 \pgfpathclose
2964 \pgfusepathqfill
2965 \colorlet{bg}{parent.bg}
2966 \usebeamercolor[fg]{button border}
2967 \pgfpathqmoveto{0pt}{0pt}
2968 \pgfpathqcurveto{-2.2pt}{0pt}{-4pt}{1.8pt}{-4pt}{4pt}
2969 \pgfpathqcurveto{-4pt}{6.2pt}{-2.2pt}{8pt}{0pt}{8pt}
2970 \pgfpathlineto{\pgfpoint{\the\beamer@tempdim}{8pt}}
2971 \pgfpathcurveto%
2972 {\pgfpoint{\the\beamer@dima}{8pt}}%
2973 {\pgfpoint{\the\beamer@dimb}{6.2pt}}%
2974 {\pgfpoint{\the\beamer@dimb}{4pt}}
2975 \pgfpathcurveto%
2976 {\pgfpoint{\the\beamer@dimb}{1.8pt}}%
2977 {\pgfpoint{\the\beamer@dima}{0pt}}%
2978 {\pgfpoint{\the\beamer@tempdim}{0pt}}
2979 \pgfpathclose
2980 \pgfusepathqstroke
2981 \end{pgfpicture}%
2982 \if@RTL
2983 \else
2984 \hskip-\beamer@tempdim%
2985 \box\beamer@tempbox%
2986 \kern4pt%
2987 \fi
2988 }
2989
2990

```

26 File beamerinnerthemecircles-xetex-bidi.def

```

2991 \ProvidesFile{beamerinnerthemecircles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for b
2992 \setbeamertemplate{sections/subsections in toc}[circle]
2993

```

27 File beamerinnerthemefocus-xetex-bidi.def

```

2994 \ProvidesFile{beamerinnerthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for bea
2995 \setbeamertemplate{section in toc}[square]
2996 \setbeamertemplate{subsection in toc}[square]
2997
2998 \setbeamertemplate{itemize items}[square]
2999 \setbeamertemplate{itemize subitem}[triangle]

```



```

3000
3001 \bidi@csundef{beamer@@tmpop@title page@focus}
3002
3003 \defbeamer*{title page}{focus}{%
3004   {%
3005     \usebeamercolor{frametitle}\colorlet{focus@@temp}{bg}%
3006     \begin{tikzpicture}[overlay, remember picture]
3007       \fill[color=focus@@temp] (current page.north west) rectangle ([shift = {(0, -0.4
3008     \end{tikzpicture}
3009   }
3010
3011   \vspace{-1.65\baselineskip}
3012   \begin{minipage}[b] [0.35\paperheight]{\textwidth}
3013     \vspace{\baselineskip}
3014     \usebeamerfont{title}
3015     \usebeamercolor[fg]{frametitle}
3016     \inserttitle
3017   \end{minipage}
3018
3019   \begin{minipage}[t] [0.1\paperheight]{\textwidth}
3020     \usebeamerfont{subtitle}
3021     \usebeamercolor[fg]{frametitle}
3022     \insertsubtitle
3023   \end{minipage}
3024
3025   % Set the title graphic in a zero-height box, so that
3026   % the position of other elements is not affected.
3027   {\vfuzz=9999pt\vbox to 0pt {
3028     \if@RTL
3029       \raggedright
3030     \else
3031       \raggedleft
3032     \fi
3033     \inserttitlegraphic
3034   }}
3035
3036   \begin{minipage}[t]{\textwidth}
3037     \usebeamerfont{author}
3038     \insertauthor
3039   \end{minipage}
3040
3041   \vspace*{\baselineskip}
3042   \begin{minipage}[t]{\textwidth}
3043     \usebeamerfont{institute}
3044     \insertinstitute
3045   \end{minipage}
3046
3047   \vspace*{\baselineskip}
3048   \begin{minipage}[t]{\textwidth}
3049     \usebeamerfont{date}
3050     \insertdate
3051   \end{minipage}
3052
3053   \vspace*{0pt plus 100fill}

```



```

3054
3055     \addtocounter{framenumbers}{-1}
3056     \addtocounter{realframenumbers}{-1}
3057 }
3058
3059
3060

```

28 File beamerinnerthemeinmargin-xetex-bidi.def

```

3061 \ProvidesFile{beamerinnerthemeinmargin-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for
3062 \AtBeginDocument{%
3063   \setbeamerwidth{sidebar width left=.25\paperwidth}%
3064 }
3065
3066 \bidi@csundef{beamer@tmpop@section in toc@inmargin}
3067
3068 \bidi@csundef{beamer@tmpop@title page@inmargin}
3069
3070 \bidi@csundef{beamer@tmpop@block begin@inmargin}
3071
3072 \bidi@csundef{beamer@tmpop@block end@inmargin}
3073
3074 \bidi@csundef{beamer@tmpop@block alerted begin@inmargin}
3075
3076 \bidi@csundef{beamer@tmpop@block alerted end@inmargin}
3077
3078 \bidi@csundef{beamer@tmpop@block example begin@inmargin}
3079
3080 \bidi@csundef{beamer@tmpop@block example end@inmargin}
3081
3082 \defbeamertemplate*{section in toc}{inmargin}
3083 { \leavevmode
3084   \beamer@putleft{\usebeamercolor [fg]{section in toc}\inserttocsection}\strut}{2.5ex}}
3085
3086 \defbeamertemplate*{title page}{inmargin}
3087 {
3088   \begin{block}{\inserttitleindicator}
3089     \bgroup\usebeamercolor [fg]{title}\usebeamerfont{title}\inserttitle\egroup\par
3090     \usebeamercolor [fg]{subtitle}\usebeamerfont{subtitle}\insertsubtitle
3091   \end{block}
3092   \vfill
3093   \ifx\insertauthor\@empty
3094   \else
3095     \begin{block}{\insertauthorindicator}
3096       \bgroup\usebeamercolor [fg]{author}\usebeamerfont{author}\insertauthor\egroup\par
3097     \end{block}
3098     \fi
3099   \ifx\insertinstitute\@empty
3100   \else
3101     \begin{block}{\insertinstituteindicator}
3102       \bgroup\usebeamercolor [fg]{institute}\usebeamerfont{institute}\insertinstitute\egroup\par
3103     \end{block}
3104     \fi

```




```

3105 \ifx\insertdate\@empty
3106 \else
3107 \begin{block}{\insertdateindicator}
3108   \bgroup\usebeamercolor[fg]{date}\usebeamerfont{date}\insertdate\egroup\par
3109 \end{block}
3110 \fi
3111 }
3112
3113 \defbeamertemplate*{block begin}{inmargin}
3114 {
3115   \par\vskip\medskipamount%
3116   \leavevmode%
3117   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title}\usebeamerfont*{block title}\i
3118   \beginL\beamer@putright
3119   %\usebeamercolor[fg]{block body}% to be done!
3120 }
3121
3122 \defbeamertemplate*{block end}{inmargin}
3123 {\endbeamer@putright\endL\vskip\smallskipamount}
3124
3125 \defbeamertemplate*{block alerted begin}{inmargin}
3126 {
3127   \par\vskip\medskipamount%
3128   \leavevmode%
3129   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title alerted}\usebeamerfont*{block
3130   \beginL\beamer@putright
3131   %\usebeamercolor[fg]{block body alerted}% to be done!
3132 }
3133
3134 \defbeamertemplate*{block alerted end}{inmargin}
3135 {\endbeamer@putright\endL\vskip\smallskipamount}
3136
3137 \defbeamertemplate*{block example begin}{inmargin}
3138 {
3139   \par\vskip\medskipamount%
3140   \leavevmode%
3141   \beamer@putleft{\normalfont{\usebeamercolor[fg]{block title example}\usebeamerfont*{block
3142   \beginL\beamer@putright
3143   %\usebeamercolor[fg]{block body example}% to be done
3144 }
3145
3146 \defbeamertemplate*{block example end}{inmargin}
3147 {\endbeamer@putright\endL\vskip\smallskipamount}
3148
3149 \bidi@AfterFile{beamerinnerthemerectangles-xetex-bidi.def}{%
3150 \setbeamertemplate{section in toc}[inmargin]%
3151 \setbeamertemplate{subsection in toc}[inmargin]%
3152 \setbeamertemplate{subsubsection in toc}[inmargin]%
3153 }
3154
3155

```

29 File beamerinnerthememetropolis-xetex-bidi.def



```

3156 \ProvidesFile{beamerinnerthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations fo
3157 \setbeamertemplate{title}{
3158   \bidi@beamer@ragged%
3159   \linespread{1.0}%
3160   \inserttitle%
3161   \par%
3162   \vspace*{0.5em}
3163 }
3164
3165 \setbeamertemplate{subtitle}{
3166   \bidi@beamer@ragged%
3167   \insertsubtitle%
3168   \par%
3169   \vspace*{0.5em}
3170 }
3171
3172 \bidi@csundef{beamer@@tmpop@section page@progressbar}
3173
3174 \defbeamertemplate{section page}{progressbar}{
3175   \centering
3176   \begin{minipage}{22em}
3177     \bidi@beamer@ragged
3178     \usebeamercolor[fg]{section title}
3179     \usebeamerfont{section title}
3180     \insertsectionhead\[-1ex]
3181     \usebeamertemplate*{progress bar in section page}
3182     \par
3183     \ifx\insertsubsectionhead\@empty\else%
3184       \usebeamercolor[fg]{subsection title}%
3185       \usebeamerfont{subsection title}%
3186       \insertsubsectionhead
3187     \fi
3188   \end{minipage}
3189   \par
3190   \vspace{\baselineskip}
3191 }
3192
3193 \setbeamertemplate{progress bar in section page}{
3194   \setlength{\metropolis@progressonsectionpage}{%
3195     \textwidth * \ratio{\insertframenum pt}{\inserttotalframenum pt}}%
3196   }%
3197   \begin{tikzpicture}
3198     \fill[bg] (0,0) rectangle (\textwidth, \metropolis@progressonsectionpage@linewidth);
3199   \if@RTLmain
3200     \fill[fg] (\textwidth-\metropolis@progressonsectionpage,0) rectangle (\textwidth, \metro
3201   \else
3202     \fill[fg] (0,0) rectangle (\metropolis@progressonsectionpage, \metropolis@progressonsect
3203   \fi
3204   \end{tikzpicture}%
3205 }
3206
3207 \renewcommand{\metropolis@block}[1]{
3208   \par\vskip\medskipamount%
3209   \setlength{\parskip}{0pt}

```



```

3210 \ifbeamercolorempy[bg]{block title#1}{%
3211   \if@RTL
3212     \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3213   \else
3214     \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3215   \fi
3216 }{%
3217 \ifbeamercolorempy[bg]{block title}{%
3218   \if@RTL
3219     \begin{beamercolorbox}[leftskip=0pt plus 4em]{block title#1}%
3220   \else
3221     \begin{beamercolorbox}[rightskip=0pt plus 4em]{block title#1}%
3222   \fi
3223 }%
3224 {%
3225 \if@RTL
3226   \begin{beamercolorbox}[
3227     sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3228     rightskip=\metropolis@blockadjust,
3229     leftskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3230   ]{block title#1}%
3231   \else
3232   \begin{beamercolorbox}[
3233     sep=\dimexpr\metropolis@blocksep-\metropolis@blockadjust\relax,
3234     leftskip=\metropolis@blockadjust,
3235     rightskip=\dimexpr\metropolis@blockadjust plus 4em\relax
3236   ]{block title#1}%
3237   \fi
3238 }}%
3239   \usebeamerfont*{block title#1}%
3240   \metropolis@strut%
3241   \insertblocktitle%
3242   \metropolis@strut%
3243 \end{beamercolorbox}%
3244 \nointerlineskip%
3245 \ifbeamercolorempy[bg]{block body#1}{%
3246   \begin{beamercolorbox}[vmode]{block body#1}}{
3247 \ifbeamercolorempy[bg]{block body}{%
3248   \begin{beamercolorbox}[vmode]{block body#1}%
3249 }{%
3250   \begin{beamercolorbox}[sep=\metropolis@blocksep, vmode]{block body#1}%
3251   \vspace{-\metropolis@parskip}
3252 }}%
3253   \usebeamerfont{block body#1}%
3254   \setlength{\parskip}{\metropolis@parskip}%
3255 }
3256
3257
3258 \setbeamertemplate{footnote}{%
3259   \parindent 0em\noindent%
3260   \bidi@beamer@ragged
3261   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3262 }
3263

```



```

3264 \setbeamertemplate{RTLfootnote}{%
3265   \parindent 0em\noindent%
3266   \raggedleft
3267   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3268 }
3269
3270 \setbeamertemplate{LTRfootnote}{%
3271   \parindent 0em\noindent%
3272   \raggedright
3273   \usebeamercolor{footnote}\hbox to 0.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
3274 }
3275
3276 \setbeamertemplate{itemize items}{\textbullet}
3277
3278 \setbeamertemplate{section page}[progressbar]
3279
3280

```

30 File beamerinnerthemerectangles-xetex-bidi.def

```

3281 \ProvidesFile{beamerinnerthemerectangles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for b
3282 \setbeamertemplate{sections/subsections in toc}[square]
3283 \setbeamertemplate{items}[square]
3284

```

31 File beamerinnerthemeroounded-xetex-bidi.def

```

3285 \ProvidesFile{beamerinnerthemeroounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for b
3286 \setbeamertemplate{blocks}[rounded] [shadow=\beamer@themeroounded@shadow]
3287 \setbeamertemplate{items}[ball]
3288 \setbeamertemplate{sections/subsections in toc}[ball]
3289

```

32 File beamerouterthemedefault-xetex-bidi.def

```

3290 \ProvidesFile{beamerouterthemedefault-xetex-bidi.def}[2022/06/27 v0.2 bidi adaptations for b
3291 \def\beamer@fteleft{\if@RTLmain\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by1.
3292
3293 \def\beamer@fteright{\if@RTLmain\else\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightski
3294
3295 \AtBeginDocument{%
3296   \if@RTLmain
3297     \setbeamertemplate{frametitle}[default] [right]
3298   \fi
3299 }
3300
3301 \bidi@csundef{beamer@@tmpop@note page@default}
3302
3303 \newcommand*\bidi@beamer@today}{%
3304 \the\year-\ifnum\month<10\relax0\fi\the\month-\ifnum\day<10\relax0\fi\the\day}
3305
3306 \defbeamertemplate*{note page}{default}
3307 {%
3308   {%

```



```

3309 \scriptsize
3310 \usebeamerfont{note title}\usebeamercolor[fg]{note title}%
3311 \ifbeamercoloreempty[bg]{note title}{-}{%
3312 \insertvrule{.25\paperheight}{note title.bg}%
3313 \vskip-.25\paperheight%
3314 \nointerlineskip%
3315 }%
3316 \vbox{
3317 \hfill\insertslideintonotes{0.25}\hskip-\Gm\rmargin\hskip0pt%
3318 \vskip-0.25\paperheight%
3319 \nointerlineskip
3320 \if@RTL
3321 \begin{pgfpicture}{-\textwidth}{0cm}{-\textwidth}{0cm}
3322 \begin{pgflowlevelslope}{\pgftransformrotate{-90}}
3323 {\pgftransformshift{\pgfpoint{2cm}{0.2cm}}}%
3324 \pgftext[base,right]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3325 \end{pgflowlevelslope}
3326 \end{pgfpicture}%
3327 \else
3328 \begin{pgfpicture}{0cm}{0cm}{0cm}{0cm}
3329 \begin{pgflowlevelslope}{\pgftransformrotate{90}}
3330 {\pgftransformshift{\pgfpoint{-2cm}{0.2cm}}}%
3331 \pgftext[base,left]{\usebeamerfont{note date}\usebeamercolor[fg]{note date}\bidi@
3332 \end{pgflowlevelslope}
3333 \end{pgfpicture}%
3334 \fi}
3335 \nointerlineskip
3336 \vbox to .25\paperheight{\vskip0.5em
3337 \if@RTL
3338 \moveright0.25\textwidth
3339 \fi
3340 \hbox{\insertshorttitle[width=0.75\textwidth]}}%
3341 \setbox\beamer@tempbox=\hbox{\insertsection}%
3342
3343 \if@RTL
3344 \moveright\dimexpr0.29\textwidth-14pt\relax
3345 \fi
3346 \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip4pt\raise3pt\hbox{\vrule
3347 width0.4pt height7pt\vrule width 9pt
3348 height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}}\
3349 \if@RTL\endR\fi}}%
3350 \setbox\beamer@tempbox=\hbox{\insertsubsection}%
3351
3352 \if@RTL
3353 \moveright\dimexpr0.29\textwidth-27.4pt\relax
3354 \fi \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip17.4pt\raise3pt\hbox{\vrule
3355 width0.4pt height7pt\vrule width 9pt
3356 height0.4pt}}\hskip1pt\hbox{\begin{minipage}[t]{0.71\textwidth}\def\breakhere{}}\
3357 \if@RTL\endR\fi}}%
3358 \setbox\beamer@tempbox=\hbox{\insertshortframetitle}%
3359
3360 \if@RTL
3361 \moveright\dimexpr0.33\textwidth-40.8pt\relax
3362 \fi \hbox{\if@RTL\beginR\fi\ifdim\wd\beamer@tempbox>1pt{\hskip30.8pt\raise3pt\hbox{\vrule

```



```

3363         width0.4pt height7pt\vrule width 9pt
3364         height0.4pt}}\hskip1pt\hbox{\insertshortframetitle[width=0.67\textwidth]}\fi%
3365     \if@RTL\endR\fi}%
3366     \vfil}%
3367 }%
3368 \ifbeamercoloreempty[bg]{note page}{}{%
3369     \nointerlineskip%
3370     \insertvrule{.75\paperheight}{note page.bg}%
3371     \vskip-.75\paperheight%
3372 }%
3373 \vskip.25em
3374 \nointerlineskip
3375 \insertnote
3376 }
3377
3378
3379

```

33 File beamerouterthemefocus-xetex-bidi.def

```

3380 \ProvidesFile{beamerouterthemefocus-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations for bea
3381 \bidi\undef\beamer@tmpop@footline@progressbar
3382
3383 \defbeamertemplate*{footline}{progressbar}{%
3384     % If not appendix.
3385     \ifnum\mainend<0% From package appendixnumberbeamer.
3386         %
3387         \settowidth{\focus@pbar@leftoffset}{1}%
3388         \addtolength{\focus@pbar@leftoffset}{1.5em}%
3389         %
3390         \ifx\beamer@focus@totalframenum\no%
3391             \settowidth{\focus@pbar@rightoffset}{}%
3392             \addtolength{\focus@pbar@rightoffset}{0.5em}%
3393         \else%
3394             \settowidth{\focus@pbar@rightoffset}{\inserttotalframenum}%
3395             \addtolength{\focus@pbar@rightoffset}{1.5em}%
3396         \fi%
3397         %
3398         % If not title page.
3399         \ifnum\value{realframenum}>0%
3400             \ifnum\value{framenum}<\inserttotalframenum%
3401                 \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]\usebeamerfont{footli
3402                     \pgfmathsetmacro{\focus@pbar@progress}%
3403                         {(\paperwidth-\focus@pbar@leftoffset-\focus@pbar@rightoffset)*(\inse
3404
3405                     \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3406 \if@RTLmain
3407                     \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@leftoff
3408                     \fill[footline.bg] (\paperwidth-\the\focus@pbar@leftoffset,0) rectangle
3409                         ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west,
3410 \else
3411                     \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@leftoffset,\the\fo
3412                     \fill[footline.bg] (\the\focus@pbar@leftoffset,0) rectangle ++(\focus@pb
3413                         ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=east,

```



```

3414 \fi
3415         \ifx\beamer@focus@totalframenumbers\no%
3416         \else%
3417 \if@RTLmain
3418         \fill[footline.bg] (0,0) rectangle ++(\the\focus@pbar@rightoffset,\the\focus@pbar@height)
3419         ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=east]{};
3420 \else
3421         \fill[footline.bg] (\paperwidth,0) rectangle ++(-\the\focus@pbar@rightoffset,\the\focus@pbar@height)
3422         ++(0,{-0.5*\the\focus@pbar@height}) node[anchor=west]{};
3423 \fi
3424         \fi%
3425         \end{tikzpicture}%
3426     \else%
3427     \begin{tikzpicture}[inner xsep=0.5em, inner ysep=0.5ex]
3428     \clip (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3429     \fill[footline.bg] (0,0) rectangle ++(\paperwidth,\the\focus@pbar@height);
3430 \if@RTLmain
3431     \node[anchor=west, footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){};
3432 \else
3433     \node[anchor=east, footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){};
3434 \fi
3435     \ifx\beamer@focus@totalframenumbers\no%
3436     \else%
3437 \if@RTLmain
3438     \node[footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){};
3439     \node[anchor=east, footline.fg] at ({\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){};
3440 \else
3441     \node[footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){};
3442     \node[anchor=west, footline.fg] at ({\paperwidth-\the\focus@pbar@rightoffset},{0.5*\the\focus@pbar@height}){};
3443 \fi
3444     \fi%
3445     \end{tikzpicture}%
3446     \fi%
3447     \fi%
3448     \fi%
3449 }
3450
3451

```

34 File beamerouterthemeinfolines-xetex-bidi.def

```

3452 \ProvidesFile{beamerouterthemeinfolines-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for xetex]
3453 \bidi@csundef{beamer@tmpop@footline@infolines theme}
3454
3455 \defbeamer*template*{footline}{infolines theme}
3456 {%
3457     \leavevmode%
3458     \hbox{%
3459     \begin{beamer*colorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot}
3460     \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{\beamer@shortauthor}{}
3461     \end{beamer*colorbox}%
3462     \begin{beamer*colorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}
3463     \usebeamerfont{title in head/foot}\insertshorttitle
3464     \end{beamer*colorbox}%

```



```

3465 \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,s
3466 \hfill%
3467 \usebeamerfont{date in head/foot}%
3468 \insertshortdate{}}%
3469 \hfill%
3470 \bgroup
3471 \usebeamerfont[fg]{page number in head/foot}%
3472 \usebeamerfont{page number in head/foot}%
3473 \usebeamertemplate{page number in head/foot}%
3474 \egroup
3475 \end{beamercolorbox}}%
3476 \vskip0pt%
3477 }
3478
3479 \bidi@csundef{beamer@tmpop@headline@infolines theme}
3480
3481 \defbeamertemplate*{headline}{infolines theme}
3482 {%
3483 \leavevmode%
3484 \hbox{%
3485 \if@RTL
3486 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{section in head/foot}%
3487 \else
3488 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{section in head/foot}%
3489 \fi
3490 \usebeamerfont{section in head/foot}\insertsectionhead\hspace*{2ex}
3491 \end{beamercolorbox}}%
3492 \if@RTL
3493 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{subsection in head/foot}
3494 \else
3495 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{subsection in head/foot}%
3496 \fi
3497 \usebeamerfont{subsection in head/foot}\hspace*{2ex}\insertsubsectionhead
3498 \end{beamercolorbox}}%
3499 \vskip0pt%
3500 }
3501
3502 \bidi@AfterFile{beamerouterthememetroplit-xetex-bidi.def}{%
3503 \setbeamertemplate{footline}{infolines theme}%
3504 }
3505

```

35 File beamerouterthememetropolis-xetex-bidi.def

```

3506 \ProvidesFile{beamerouterthememetropolis-xetex-bidi.def}[2022/06/13 v0.1 bidi adaptations fo
3507 \setbeamertemplate{progress bar in head/foot}{
3508 \nointerlineskip
3509 \setlength{\metropolis@progressinheadfoot}{%
3510 \paperwidth * \ratio{\insertframenum pt}{\inserttotalframenum pt}}%
3511 }%
3512 \begin{beamercolorbox}[wd=\paperwidth]{progress bar in head/foot}
3513 \begin{tikzpicture}
3514 \fill[bg] (0,0) rectangle (\paperwidth, \metropolis@progressinheadfoot@linewidth);
3515 \if@RTLmain

```




```

3516     \fill[fg] (\paperwidth-\metropolis@progressinheadfoot,0) rectangle (\paperwidth, \metr
3517 \else
3518     \fill[fg] (0,0) rectangle (\metropolis@progressinheadfoot, \metropolis@progressinheadf
3519 \fi
3520     \end{tikzpicture}%
3521 \end{beamercolorbox}
3522 }
3523
3524 \AtBeginDocument{%
3525 \setbeamertemplate{frametitle}[plain]%
3526 }
3527
3528

```

36 File beamerouterthememiniframes-xetex-bidi.def

```

3529 \ProvidesFile{beamerouterthememiniframes-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations fo
3530 \bidi@csundef{beamer@tmpop@headline@miniframes theme}
3531
3532 \defbeamertemplate*{headline}{miniframes theme}
3533 {%
3534 \begin{beamercolorbox}[colsep=1.5pt]{upper separation line head}
3535 \end{beamercolorbox}
3536 \begin{beamercolorbox}{section in head/footer}
3537 \vskip2pt\if@RTL\beginR\fi\insertnavigation{\paperwidth}\if@RTL\endR\fi\vskip2pt
3538 \end{beamercolorbox}%
3539 \ifbeamer@theme@subsection%
3540 \begin{beamercolorbox}[colsep=1.5pt]{middle separation line head}
3541 \end{beamercolorbox}
3542 \if@RTL
3543 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3544 rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/footer}
3545 \else
3546 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
3547 leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/footer}
3548 \fi
3549 \usebeamerfont{subsection in head/footer}\insertsubsectionhead
3550 \end{beamercolorbox}%
3551 \fi%
3552 \begin{beamercolorbox}[colsep=1.5pt]{lower separation line head}
3553 \end{beamercolorbox}
3554 }
3555
3556

```

37 File beamerouterthemesidebar-xetex-bidi.def

```

3557 \ProvidesFile{beamerouterthemesidebar-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for b
3558 \bidi@csundef{beamer@tmpop@frametitle@sidebar theme}
3559
3560 \bidi@csundef{beamer@tmpop@headline@sidebar theme}
3561
3562 \bidi@csundef{beamer@tmpop@sidebar left@sidebar theme}
3563

```



```

3564 \bidi@csundef{beamer@tmpop@sidebar right@sidebar theme}
3565
3566 \ifdim\beamer@headheight>0pt
3567
3568 \defbeamertemplate*{frametitle}{sidebar theme}
3569 {%
3570 \nointerlineskip%
3571 \ifbeamer@plainframe%
3572 \hbox{\usebeamercolor[bg]{frametitle}%
3573 \@tempdima\paperwidth\advance\@tempdima-\beamer@sidebarwidth
3574 \hskip-\beamer@leftmargin\vrule height\beamer@headheight width\@tempdima\hskip-\beam
3575 \nointerlineskip%
3576 \fi%
3577 \vskip-\beamer@headheight%
3578 \vbox to \beamer@headheight{%
3579 \vfil
3580 \bidi@beamer@leftskip=-\beamer@leftmargin%
3581 \advance\bidi@beamer@leftskip by0.3cm%
3582 \bidi@beamer@rightskip=-\beamer@rightmargin%
3583 \advance\bidi@beamer@rightskip by0.3cm plus1fil%
3584 {\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframetitle\par}
3585 \ifx\insertframesubtitle\@empty\else%
3586 {\usebeamercolor[fg]{framesubtitle}\usebeamerfont{framesubtitle}\strut\insertframesu
3587 \fi%
3588 \vbox{}}%
3589 \vskip-1em%
3590 \vfil
3591 }%
3592 }
3593
3594 \AtBeginDocument{%
3595 \setbeamertemplate{frametitle}[sidebar theme]%
3596 }
3597
3598 \defbeamertemplate*{headline}{sidebar theme}
3599 {%
3600 \begin{beamercolorbox}[wd=\paperwidth]{frametitle}
3601 \ifx\beamer@sidebarside\beamer@lefttext%
3602 \else%
3603 \hfill%
3604 \fi%
3605 \ifdim\beamer@sidebarwidth>0pt%
3606 \bgroup
3607 \usebeamercolor[bg]{logo}%
3608 \if@RTLmain
3609 \else
3610 \vrule width\beamer@sidebarwidth height \beamer@headheight%
3611 \hskip-\beamer@sidebarwidth%
3612 \fi
3613 \hbox to \beamer@sidebarwidth{\hss\vbox to
3614 \beamer@headheight{\vss\hbox{{\color{fg}\insertlogo}}\vss}\hss}%
3615 \if@RTLmain
3616 \hskip-\beamer@sidebarwidth%
3617 \vrule width\beamer@sidebarwidth height \beamer@headheight%

```



```

3618         \fi
3619         \egroup
3620     \else%
3621         \vrule width0pt height \beamer@headheight%
3622     \fi%
3623 \end{beamercolorbox}
3624 }
3625 \fi
3626
3627 \def\beamer@sidebarformat#1#2#3{%
3628 \if@RTL
3629 \begin{beamercolorbox}[wd=\beamer@sidebarwidth,rightskip=#1,leftskip=1ex plus1fil,vmode]{#
3630 \else
3631 \begin{beamercolorbox}[wd=\beamer@sidebarwidth,leftskip=#1,rightskip=1ex plus1fil,vmode]{#
3632 \fi
3633     \vbox{%
3634         #3\par%
3635     \vbox{%
3636         \vskip-1.5ex%
3637     \end{beamercolorbox}
3638 }
3639
3640 \ifdim\beamer@sidebarwidth>0pt
3641
3642 \AtBeginDocument{%
3643     \setbeamersize{sidebar width \beamer@sidebarside=\beamer@sidebarwidth}%
3644 }
3645
3646 \defbeamer*template*{sidebar \beamer@sidebarside}{sidebar theme}
3647 {
3648     \beamer@tempdim=\beamer@sidebarwidth%
3649     \advance\beamer@tempdim by -6pt%
3650     {\usebeamerfont{title in sidebar}%
3651         \vskip1.5em%
3652         \hskip3pt%
3653         \bgroup
3654         \usebeamercolor[fg]{title in sidebar}%
3655         \insertshorttitle[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3656         \vskip1.25em%
3657     }%
3658     {%
3659         \hskip3pt%
3660         \bgroup
3661         \usebeamercolor[fg]{author in sidebar}%
3662         \usebeamerfont{author in sidebar}%
3663         \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
3664         \vskip1.25em%
3665     }%
3666     \insertverticalnavigation{\beamer@sidebarwidth}%
3667     \vfill
3668     \ifx\beamer@sidebarside\beamer@lefttext%
3669     \else%
3670         \usebeamercolor{normal text}%
3671         \llap{\usebeamer*template**{navigation symbols}\hskip0.1cm}%

```



```

3672     \vskip2pt%
3673     \fi%
3674 }%
3675 \fi
3676

```

38 File beamerouterthemesplit-xetex-bidi.def

```

3677 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for bea
3678 \bidi@csundef{beamer@tmpop@footline@split theme}
3679
3680 \defbeamertemplate*{footline}{split theme}
3681 {%
3682   \leavevmode%
3683   \hbox{\if@RTL\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm pl
3684 \else
3685 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,rightski
3686 \fi
3687   \usebeamerfont{author in head/foot}\insertshortauthor
3688 \end{beamercolorbox}}%
3689 \if@RTL
3690   \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm,leftskip=.3cm
3691 \else
3692   \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm p
3693 \fi
3694   \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bgroup\usebeamercolor[
3695 \end{beamercolorbox}}}%
3696   \vskip0pt%
3697 }
3698
3699

```

39 File beamerouterthemeshadow-xetex-bidi.def

```

3700 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/11 v0.3 bidi adaptations for be
3701 \pgfdeclarehorizontalshading[frametitle.bg,frametitle right.bg]{bidi@beamer@RTL@frametitlesh
3702 color(0pt)=(frametitle right.bg);
3703 color(\paperwidth)=(frametitle.bg)
3704 }
3705
3706 \newcommand*{\bidi@beamer@frametitleshade}{%
3707   \if@RTLmain
3708     \pgfuses shading{bidi@beamer@RTL@frametitleshade}%
3709   \else
3710     \pgfuses shading{beamer@frametitleshade}%
3711   \fi
3712 }
3713
3714 \bidi@csundef{beamer@tmpop@frametitle@shadow theme}
3715
3716 \defbeamertemplate*{frametitle}{shadow theme}
3717 {%
3718   \nointerlineskip%
3719   \vskip-2pt%

```



```

3720 \hbox{\leavevmode
3721   \advance\beamer@leftmargin by -12bp%
3722   \advance\beamer@rightmargin by -12bp%
3723   \beamer@tempdim=\textwidth%
3724   \advance\beamer@tempdim by \beamer@leftmargin%
3725   \advance\beamer@tempdim by \beamer@rightmargin%
3726   \hskip-\Gm@lmargin\hbox{%
3727     \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%
3728       \vbox{\vskip-.75ex%
3729         \bidi@beamer@leftskip0.3cm%
3730         \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
3731         \bgroup\usebeamerfont[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframesubtitle%
3732         \ifx\insertframesubtitle\@empty\else%
3733           {\usebeamerfont*{framesubtitle}{\usebeamerfont[fg]{framesubtitle}\insertframesubtitle}%
3734         \fi%
3735         \nointerlineskip
3736         \vbox{}}%
3737       \end{minipage}}%
3738   \beamer@tempdim=\ht\beamer@tempbox%
3739   \advance\beamer@tempdim by 2pt%
3740   \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
3741     \begin{pgfscope}
3742       \pgfsetfillcolor{black}%
3743       \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
3744       \pgfsetfading{beamer@topshadowmask}{}%
3745       \pgfusepath{fill}%
3746     \end{pgfscope}
3747     \begin{pgfscope}
3748       \usebeamerfont{frametitle right}%
3749       \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%
3750       \pgfusepath{clip}%
3751       \pgftext[left,base]{\bidi@beamer@frametitleshade}%
3752     \end{pgfscope}
3753   \end{pgfpicture}
3754   \hskip-\paperwidth%
3755   \box\beamer@tempbox%
3756   }%
3757   \hskip-\Gm@rmargin%
3758 }%
3759 \vskip-2pt
3760 }
3761
3762 \AtBeginDocument{%
3763   \setbeamertemplate{frametitle}[shadow theme]%
3764 }
3765
3766

```

40 File beamerouterthemesmoothbars-xetex-bidi.def

```

3767 \ProvidesFile{beamerouterthemesmoothbars-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for xetex]
3768 \bidi@csundef{beamer@tmpop@headline@smoothbars theme}
3769
3770 \bidi@csundef{beamer@tmpop@frametitle@smoothbars theme}

```



```

3771
3772 \defbeamertheme*{headline}{smoothbars theme}
3773 {%
3774   \pgfuseshading{beamer@barshade}%
3775   \vskip-0.05ex%
3776   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3777   \begin{pgfpicture}
3778     \begin{pgfscope}%
3779       \ifbeamer@sb@subsection%
3780         \pgfsetfillcolor{subsection in head/foot.bg}%
3781       \else%
3782         \pgfsetfillcolor{section in head/foot.bg}%
3783       \fi%
3784       \pgfpathrectangle{\pgfpoint{-0.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3785       \pgfsetfading{beamer@belowframetitlemask}{}%
3786       \pgfusepath{fill}%
3787     \end{pgfscope}%
3788   \end{pgfpicture}%
3789   \end{beamercolorbox}%
3790   \ifbeamer@sb@subsection%
3791     \vskip-9.75ex%
3792   \else%
3793     \vskip-6.85ex%
3794   \fi%
3795   \begin{beamercolorbox}[ignorebg,ht=2.25ex,dp=3.75ex]{section in head/foot}
3796     \insertnavigation{\paperwidth}
3797   \end{beamercolorbox}%
3798   \ifbeamer@sb@subsection%
3799   \if@RTL
3800     \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3801       rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3802     \else
3803     \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3804       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3805     \fi
3806     \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3807   \end{beamercolorbox}%
3808   \fi%
3809 }%
3810
3811 \defbeamertheme*{frametitle}{smoothbars theme}
3812 {%
3813   \nointerlineskip%
3814   \vskip-0.19ex%
3815   \usebeamerfont{headline}%
3816   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=1ex,vmode]{empty}
3817     \pgfuseshading{beamer@aboveframetitle}%
3818   \end{beamercolorbox}%
3819   \vskip-1ex%
3820   \nointerlineskip%
3821   \if@RTL
3822     \begin{beamercolorbox}[wd=\paperwidth,rightskip=.3cm,leftskip=.3cm plus1fil,vmode]{frameti
3823   \else
3824     \begin{beamercolorbox}[wd=\paperwidth,leftskip=.3cm,rightskip=.3cm plus1fil,vmode]{frameti

```



```

3825 \fi
3826 \vskip0.5ex%
3827 \usebeamerfont*{frametitle}\strut\insertframetitle%
3828 \ifx\insertframesubtitle\@empty%
3829 \strut\par%
3830 \else
3831 \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insertframesubtitle}%
3832 \fi}%
3833 \usebeamerfont{headline}%
3834 \vskip0.05ex%
3835 \end{beamercolorbox}%
3836 \nointerlineskip%
3837 \vskip-0.05ex%
3838 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3839 \begin{pgfpicture}
3840 \begin{pgfscope}%
3841 \pgfsetfillcolor{frametitle.bg}%
3842 \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3843 \pgfsetfading{beamer@belowframetitlemask}{}%
3844 \pgfusepath{fill}%
3845 \end{pgfscope}%
3846 \end{pgfpicture}%
3847 \end{beamercolorbox}%
3848 }
3849
3850 \AtBeginDocument{%
3851 \setbeamertheme{frametitle}[smoothbars theme]%
3852 }
3853
3854

```

41 File beamerouterthemesmoothtree-xetex-bidi.def

```

3855 \ProvidesFile{beamerouterthemesmoothtree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for xetex]
3856 \bidi@csundef{beamer@tmpop@headline@smoothtree theme}
3857
3858 \bidi@csundef{beamer@tmpop@frametitle@smoothtree theme}
3859
3860 \defbeamertheme*{headline}{smoothtree theme}
3861 {%
3862 \pgfuses shading{beamer@treeshade}%
3863 \vskip-0.05ex%
3864 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3865 \begin{pgfpicture}
3866 \begin{pgfscope}%
3867 \pgfsetfillcolor{subsection in head/foot.bg}%
3868 \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3869 \pgfsetfading{beamer@belowframetitlemask}{}%
3870 \pgfusepath{fill}%
3871 \end{pgfscope}%
3872 \end{pgfpicture}%
3873 \end{beamercolorbox}%
3874 \vskip-9.15ex%
3875 \if@RTL

```



```

3876 \begin{beamercolorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3877   rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3878 \else
3879 \begin{beamercolorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3880   leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3881   \fi
3882   \usebeamerfont{title in head/foot}\insertshorttitle
3883 \end{beamercolorbox}
3884 \if@RTL
3885   \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3886     rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3887   \else
3888   \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3889     leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3890     \fi
3891     \usebeamerfont{section in head/foot}%
3892     \hskip6pt\insertsectionhead
3893   \end{beamercolorbox}
3894   \if@RTL
3895   \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3896     rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3897   \else
3898   \begin{beamercolorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3899     leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3900     \fi
3901     \usebeamerfont{subsection in head/foot}%
3902     \hskip12pt\insertsubsectionhead
3903   \end{beamercolorbox}
3904   \vskip-0.4ex%
3905 }
3906
3907 \defbeamertheme*{frametitle}{smoothtree theme}
3908 {%
3909   \nointerlineskip%
3910   \vskip-0.05ex%
3911   \usebeamerfont{headline}%
3912   \begin{beamercolorbox}[wd=\paperwidth,ht=0.85ex,dp=0ex]{empty}
3913     \pgfuses shading{beamer@aboveframetitle}%
3914   \end{beamercolorbox}
3915   \nointerlineskip%
3916   \if@RTL
3917   \begin{beamercolorbox}[wd=\paperwidth,rightskip=.935cm,leftskip=.3cm plus1fil]{frametitle}
3918   \else
3919   \begin{beamercolorbox}[wd=\paperwidth,leftskip=.935cm,rightskip=.3cm plus1fil]{frametitle}
3920   \fi
3921     \vskip-1.2ex%
3922     \usebeamerfont*{frametitle}\strut\insertframetitle%
3923     \ifx\insertframesubtitle\@empty%
3924       \strut\par%
3925     \else
3926       \par{\usebeamerfont*{framesubtitle}\usebeamercolor[fg]{framesubtitle}\strut\insertframesubtitle}
3927     \fi%
3928     \usebeamerfont{headline}%
3929   \end{beamercolorbox}%

```




```

3930 \nointerlineskip
3931 \vskip-0.2ex%
3932 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3933 \begin{pgfpicture}
3934   \begin{pgfscope}%
3935     \pgfsetfillcolor{frametitle.bg}%
3936     \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3937     \pgfsetfading{beamer@belowframetitlemask}{}%
3938     \pgfusepath{fill}%
3939   \end{pgfscope}%
3940 \end{pgfpicture}%
3941 \end{beamercolorbox}%
3942 }
3943
3944
3945 \AtBeginDocument{%
3946   \setbeamertheme{frametitle}[smoothtree theme]%
3947 }
3948
3949

```

42 File beamerouterthemetree-xetex-bidi.def

```

3950 \ProvidesFile{beamerouterthemetree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beam
3951 \bidi@csundef{beamer@tmpop@headline@tree theme}
3952
3953 \defbeamertheme*{headline}{tree theme}
3954 {%
3955   \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{upper separation line head}
3956   \end{beamercolorbox}
3957   \if@RTL
3958     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3959       rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/footer}
3960     \else
3961     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3962       leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/footer}
3963     \fi
3964     \usebeamerfont{title in head/footer}\insertshorttitle
3965   \end{beamercolorbox}
3966   \if@RTL
3967     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3968       rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/footer}
3969     \else
3970     \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3971       leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/footer}
3972     \fi
3973     \usebeamerfont{section in head/footer}%
3974     \ifbeamer@tree@showhooks
3975       \setbox\beamer@tempbox=\hbox{\insertsectionhead}%
3976       \ifdim\wd\beamer@tempbox>1pt%
3977         \hskip2pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height0.
3978         \hskip1pt%
3979       \fi%
3980     \else%

```



```

3981     \hskip6pt%
3982     \fi%
3983     \insertsectionhead
3984 \end{beamercolorbox}
3985 \if@RTL
3986 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3987     rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3988 \else
3989 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3990     leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3991 \fi
3992 \usebeamerfont{subsection in head/foot}%
3993 \ifbeamer@tree@showhooks
3994     \setbox\beamer@tempbox=\hbox{\insertsubsectionhead}%
3995     \ifdim\wd\beamer@tempbox>1pt%
3996         \hskip9.4pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height
3997         \hskip1pt%
3998     \fi%
3999 \else%
4000     \hskip12pt%
4001 \fi%
4002 \insertsubsectionhead
4003 \end{beamercolorbox}
4004 \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{lower separation line head}
4005 \end{beamercolorbox}
4006 }
4007
4008

```

43 File beamerthemeHannover-xetex-bidi.def

```

4009 \ProvidesFile{beamerthemeHannover-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for beame
4010 \AtBeginDocument{%
4011 \if@RTLmain
4012     \setbeamertemplate{frametitle}[default][left]%
4013 \else
4014     \setbeamertemplate{frametitle}[default][right]%
4015 \fi
4016 }
4017
4018

```

44 File beamerthemeSingapore-xetex-bidi.def

```

4019 \ProvidesFile{beamerthemeSingapore-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beame
4020 \addtoheadtemplate{\pgfuses shading{beamer@headfade}\vskip-1.25cm}{-}
4021
4022 \beamertemplatedotitem
4023
4024 \AtBeginDocument{%
4025     \setbeamertemplate{frametitle}[default][center]%
4026 }
4027
4028

```



45 File `bidi.sty`

```
4029 \NeedsTeXFormat{LaTeX2e}
4030 \def\bididate{2024/12/20}
4031 \def\bidi@version{40.6}
4032 \def\bidi@releasename{John Willard Milnor}
4033 \newcommand*\bidireleasename{\bidi@releasename}
4034 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space (Release \bidi@releasename)\space
4035 Bidirectional typesetting in plain TeX and LaTeX]
4036 \newif\if@bidi@banner
4037 \newif\if@bidi@pdfbanner
4038 \newif\iffootdir@debug
4039 \newif\if@extrafootnotefeatures
4040 \newif\if@nonlatin
4041 \newif\if@bidi@pdfm@mark
4042 \newif\if@bidi@perpage@footnote
4043 \ExplSyntaxOn
4044 \keys_define:nn { bidi }
4045 {
4046   banner .choice: ,
4047   banner / on .code:n = \@bidi@bannertrue ,
4048   banner / off .code:n = \@bidi@bannerfalse ,
4049   banner .default:n = on
4050 }
4051 \keys_define:nn { bidi }
4052 {
4053   PDFbanner .choice: ,
4054   PDFbanner / on .code:n = \@bidi@pdfbannertrue ,
4055   PDFbanner / off .code:n = \@bidi@pdfbannerfalse ,
4056   PDFbanner .default:n = on
4057 }
4058 \keys_define:nn { bidi }
4059 {
4060   RTLdocument .choice: ,
4061   RTLdocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4062   RTLdocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4063   RTLdocument .default:n = on
4064 }
4065 \keys_define:nn { bidi }
4066 {
4067   rldocument .choice: ,
4068   rldocument / on .code:n = \AtEndOfPackage{\@RTLtrue} ,
4069   rldocument / off .code:n = \AtEndOfPackage{\@RTLfalse} ,
4070   rldocument .default:n = on
4071 }
4072 \keys_define:nn { bidi }
4073 {
4074   documentdirection .choice: ,
4075   documentdirection / righttoleft .code:n = \AtEndOfPackage{\@RTLtrue} ,
4076   documentdirection / lefttoright .code:n = \AtEndOfPackage{\@RTLfalse}
4077 }
4078 \keys_define:nn { bidi }
4079 {
4080   tabledirection .choice: ,
```



```

4081   tabledirection / righttoleft .code:n = \AtEndOfPackage{@RTLtabtrue} ,
4082   tabledirection / lefttoright .code:n = \AtEndOfPackage{@RTLtabfalse}
4083 }
4084 \keys_define:nn { bidi }
4085 {
4086   footnotedirection .choice: ,
4087   footnotedirection / righttoleft .code:n = \AtEndOfPackage{@RTL@footnotetrue} ,
4088   footnotedirection / lefttoright .code:n = \AtEndOfPackage{@RTL@footnotefalse}
4089 }
4090 \keys_define:nn { bidi }
4091 {
4092   debugfootnotedirection .choice: ,
4093   debugfootnotedirection / on .code:n = \footdir@debugtrue ,
4094   debugfootnotedirection / off .code:n = \footdir@debugfalse ,
4095   debugfootnotedirection .default:n = on
4096 }
4097 \keys_define:nn { bidi }
4098 {
4099   footnoterule .choice: ,
4100   footnoterule / automatic .code:n = \AtEndOfPackage{autofootnoterule} ,
4101   footnoterule / left .code:n = \AtEndOfPackage{leftfootnoterule} ,
4102   footnoterule / right .code:n = \AtEndOfPackage{rightfootnoterule} ,
4103   footnoterule / split .code:n = \AtEndOfPackage{SplitFootnoteRule} ,
4104   footnoterule / textwidth .code:n = \AtEndOfPackage{textwidthfootnoterule}
4105 }
4106 \keys_define:nn { bidi }
4107 {
4108   extrafootnotefeatures .choice: ,
4109   extrafootnotefeatures / on .code:n = @extrafootnotefeaturestrue ,
4110   extrafootnotefeatures / off .code:n = @extrafootnotefeaturesfalse ,
4111   extrafootnotefeatures .default:n = on
4112 }
4113 \keys_define:nn { bidi }
4114 {
4115   script .choice: ,
4116   script / latin .code:n = @nonlatinfalse ,
4117   script / nonlatin .code:n = @nonlatintrue ,
4118   script .default:n = latin
4119 }
4120 \keys_define:nn { bidi }
4121 {
4122   DetectColumn .choice: ,
4123   DetectColumn / on .code:n =
4124     \def\bidi@firstcolumn@status@write{%
4125       \protected@write\@auxout{%
4126         {string\bidi@column@status
4127           {1}}}
4128     \def\bidi@lastcolumn@status@write{%
4129       \protected@write\@auxout{%
4130         {string\bidi@column@status{2}}} ,
4131   DetectColumn / off .code:n =
4132     \let\bidi@firstcolumn@status@write\relax
4133     \let\bidi@lastcolumn@status@write\relax ,
4134   DetectColumn .default:n = on

```



```

4135 }
4136 \keys_define:nn { bidi }
4137 {
4138   logo .choice: ,
4139   logo / on .code:n = \AtEndOfPackage{\AtBeginDocument{\@bidi@inslogo@}} ,
4140   logo / off .code:n = \let\@bidi@logo@\empty \let\@bidi@inslogo@\empty ,
4141   logo .default:n = on
4142 }
4143 \keys_define:nn { bidi }
4144 {
4145   pdfinfo .choice: ,
4146   pdfinfo / on .code:n = \@bidi@pdfm@marktrue ,
4147   pdfinfo / off .code:n = \@bidi@pdfm@markfalse ,
4148   pdfinfo .default:n = on
4149 }
4150 % The `perpagefootnote' option is documented in UK TeX FAQ at
4151 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
4152 \keys_define:nn { bidi }
4153 {
4154   perpagefootnote .choice: ,
4155   perpagefootnote / on .code:n = \@bidi@perpage@footnotetrue ,
4156   perpagefootnote / off .code:n = \@bidi@perpage@footnotefalse ,
4157   perpagefootnote .default:n = on
4158 }
4159 \keys_set:nn { bidi }
4160 {
4161   banner = on ,
4162   PDFbanner = on ,
4163   DetectColumn = off
4164 }
4165 }
4166 \ExplSyntaxOff
4167 \ProcessKeyOptions
4168 \edef\@bidi@info{*****~J%
4169 * ~J%
4170 * bidi package (Bidirectional typesetting in~J%
4171 * plain TeX and LaTeX, using XeTeX engine)~J%
4172 * ~J%
4173 * Description: A convenient interface for~J%
4174 * typesetting bidirectional texts in plain TeX~J%
4175 * and LaTeX. The package includes adaptations~J%
4176 * for use with many other commonly-used packages.~J%
4177 * ~J%
4178 * Copyright (c) 2007--2024 Vafa Khalighi~J%
4179 * Copyright (c) 2018--2020 bidi-tex GitHub organization~J%
4180 * ~J%
4181 * v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date~J%
4182 * ~J%
4183 * License: LaTeX Project Public License, version~J%
4184 * 1.3c or higher (your choice)~J%
4185 * ~J%
4186 * Location on CTAN: /macros/xetex/latex/bidi~J%
4187 * ~J%
4188 * Issue tracker: https://github.com/xepersian/bidi/issues~J%

```



```

4189 * ^^J%
4190 * Discussions: https://github.com/xepersian/bidi/discussions^^J%
4191 * ^^J%
4192 * Primary author of bidi package: Vafa Khalighi.^^J%
4193 * ^^J%
4194 *****}
4195 \edef\bidi@everyjob{\the\everyjob}
4196 \if@bidi@banner
4197 \typeout{\@bidi@info}
4198 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
4199 \fi
4200 \newcommand*\bidiversion{\ensuremath\bidi@version}
4201 \newcommand*\IfbidiPackageVersionLater}[1]{%
4202 \ifdim\bidi@version pt > #1 pt %
4203 \expandafter\@firstoftwo
4204 \else
4205 \expandafter\@secondoftwo
4206 \fi}
4207 \newcommand*\IfbidiPackageVersionBefore}[1]{%
4208 \ifdim\bidi@version pt < #1 pt %
4209 \expandafter\@firstoftwo
4210 \else
4211 \expandafter\@secondoftwo
4212 \fi}
4213 \newcommand*\IfbidiPackageVersion}[1]{%
4214 \ifdim\bidi@version pt = #1 pt %
4215 \expandafter\@firstoftwo
4216 \else
4217 \expandafter\@secondoftwo
4218 \fi}
4219 \RequirePackage{iftex}
4220 \RequireXeTeX
4221 \RequirePackage{biditools}
4222 \RequirePackage{zref-abspage}
4223 \RequirePackage{auxhook}
4224 \RequirePackage{ltxcmds}
4225 \eqnewif{\if@RTLmain}{\if@rlmain}
4226 \eqnewif{\if@RTL}{\if@rl}
4227 \newcommand*\setlatin{\@nonlatinfalse}
4228 \newcommand*\setnonlatin{\@nonlatintrue}
4229 \eqnewif{\if@RTLtab}{\if@tab@rl}
4230 \newif\if@hboxRconstruct
4231 \newif\if@bidi@pdfencrypt
4232 \newcommand*\setRTLtable{\@RTLtabtrue}
4233 \newcommand*\setLTRtable{\@RTLtabfalse}
4234 \newif\if@RTLMarginpar
4235 \newif\if@LTRmarginpar
4236 \newif\if@LTRbibitems
4237 \newif\if@RTLbibitems
4238 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
4239 \newif\if@bidi@list@minipage@parbox
4240 \newif\if@bidi@list@minipage@parbox@not@nob
4241 \newcommand*\@bidi@pdfcreator{%
4242 The bidi package, v\bidi@version\space (Release \bidi@releasename), \bididate

```



```

4243 }
4244 \newcommand*{\@bidi@pdfproducer}{%
4245   The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \bididate
4246 }
4247 \newcommand*{\@bidi@pdfcustomproperties}{%
4248   This is the bidi package, Version \@bidi@version\space (Release \@bidi@releasename),
4249   Released December 20, 2024.
4250 }
4251 \newcommand*{\@bidi@beamer@ragged}{%}
4252 \@RTLmainfalse
4253 \AtBeginDocument{%
4254   \if@RTLmain\else
4255     \if@RTL\@RTLmaintrue%
4256     \else\@RTLmainfalse%
4257     \fi%
4258   \fi%
4259 }
4260 \let\@xt=\
4261 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
4262 \def\pLRE{\protect\afterassignment\moreLRE \let\@xt= }
4263 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
4264 \def\pRLE{\protect\afterassignment\moreRLE \let\@xt= }
4265 \def\bracetext{\ifcat\@xt{\else\ifcat\@xt}\fi
4266   \errmessage{Missing left brace has been substituted}\fi \bgroup}
4267 \newinsert\@bidi@copyins@
4268 \skip\@bidi@copyins@=12\p@
4269 \dimen\@bidi@copyins@=40pc
4270 \count\@bidi@copyins@=1000
4271 \newcommand*{\@bidi@inslogo}{\insert\@bidi@copyins@{\@bidi@logo}}
4272 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
4273   \if@RTLmain
4274     \if@twocolumn
4275       \hboxR to \columnwidth
4276     \else
4277       \hboxR to \textwidth
4278     \fi
4279   \else
4280     \if@twocolumn
4281       \hboxL to \columnwidth
4282     \else
4283       \hboxL to \textwidth
4284     \fi
4285   \fi
4286 }
4287 \newcommand*{\@bidi@logo}[1]{%
4288   \toks@{%
4289     \setbox\z@\hbox{%
4290       \special{%
4291         pdf:image width 50pt height 50pt (#1)%
4292       }
4293     }%
4294     \dp\z@\z@
4295     \ht\z@=50pt
4296     \wd\z@=50pt

```



```

4297 \beginL
4298 \lower20pt\box\z@
4299 \endL
4300 }%
4301 \the\toks@
4302 }
4303 \newcommand*{\@bidi@logo@}{%
4304 \@bidi@logo@hb@xt@columnwidth
4305 {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
4306 package\quad\@bidi@logo{bidi-logo.pdf}}}}
4307 \ExplSyntaxOn
4308 \keys_define:nn { bidi / pdfencrypt }
4309 {
4310 userpassword .code:n = \def\bidi@pdfencrypt@userpassword{#1} ,
4311 userpassword .default:n =
4312 }
4313 \keys_define:nn { bidi / pdfencrypt }
4314 {
4315 ownerpassword .code:n = \def\bidi@pdfencrypt@ownerpassword{#1} ,
4316 ownerpassword .default:n =
4317 }
4318 \keys_define:nn { bidi / pdfencrypt }
4319 {
4320 keylength .code:n = \def\bidi@pdfencrypt@keylength{#1} ,
4321 keylength .default:n = 128
4322 }
4323 \keys_define:nn { bidi / pdfencrypt }
4324 {
4325 permissionflags .code:n = \def\bidi@pdfencrypt@permissionflags{#1} ,
4326 permissionflags .default:n = 2052
4327 }
4328 \NewDocumentCommand \pdfencryptsetup {m} { \keys_set:nn { bidi / pdfencrypt } {#1} }
4329 \ExplSyntaxOff
4330 \@onlypreamble\pdfencryptsetup
4331 \input{latex-xetex-bidi.def}
4332 \input{loadingorder-xetex-bidi.def}
4333
4334 \pdfencryptsetup{%
4335 userpassword,%
4336 ownerpassword,%
4337 keylength,%
4338 permissionflags%
4339 }
4340
4341 \if@extrafootnotefeatures
4342 \input{extrafootnotefeatures-xetex-bidi.def}
4343 \fi
4344 \newcount\bidi@digits
4345 \XeTeXinterchartokenstate=\@one
4346 \newXeTeXintercharclass\bidi@digits@charclass
4347 \newXeTeXintercharclass\bidi@sepmark@charclass
4348 \XeTeXcharclass `\. \bidi@sepmark@charclass
4349 \XeTeXcharclass `^- \bidi@sepmark@charclass
4350 \bidi@digits=\@0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit

```




```

4351 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
4352 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
4353 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterCh
4354 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
4355 \bidi@AtEndPreamble{%
4356 \if@bidi@perpage@footnote
4357 \RequirePackage{bidi-perpage}%
4358 \ResetCounterPerPage{footnote}%
4359 \fi
4360 \ifx\bidi@pdfencrypt@ownerpassword\bidi@empty
4361 \ifx\bidi@pdfencrypt@userpassword\bidi@empty
4362 \@bidi@pdfencryptfalse
4363 \else
4364 \@bidi@pdfencrypttrue
4365 \fi
4366 \else
4367 \@bidi@pdfencrypttrue
4368 \fi
4369 \if@bidi@pdfencrypt
4370 \special{pdf:encrypt
4371 userpw (\bidi@pdfencrypt@userpassword)
4372 ownerpw (\bidi@pdfencrypt@ownerpassword)
4373 length \bidi@pdfencrypt@keylength
4374 perm \bidi@pdfencrypt@permissionflags
4375 }%
4376 \fi
4377 }
4378 \if@bidi@pdfbanner
4379 \if@bidi@pdfm@mark
4380 \AtEndDocument{%
4381 \special{pdf:%
4382 docinfo<<%
4383 /Creator(\@bidi@pdfcreator)%
4384 /Producer(\@bidi@pdfproducer)%
4385 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4386 \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
4387 /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4388 }{}%
4389 >>%
4390 }%
4391 }
4392 \else
4393 \AtEndDocument{%
4394 \special{pdf:%
4395 docinfo<<%
4396 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4397 \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
4398 /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
4399 }{}%
4400 >>%
4401 }%
4402 }
4403 \fi
4404 \else

```



```

4405 \if@bidi@pdfm@mark
4406   \AtEndDocument{%
4407     \special{pdf:%
4408       docinfo<<%
4409         /Creator(\@bidi@pdfcreator)%
4410         /Producer(\@bidi@pdfproducer)%
4411       >>%
4412     }%
4413   }
4414 \fi
4415 \fi

```

46 File bidi.tex

```

4416 \def\bididate{2024/12/20}
4417 \catcode@=11
4418 \def\bidi@version{40.6}
4419 \def\bidi@releasename{John Willard Milnor}
4420 \def\bidireleasename{\bidi@releasename}
4421 \let \protect \relax
4422 \newlinechar`^^J
4423 \edef\@bidi@info{*****^^J%
4424 * ^^J%
4425 * bidi package (Bidirectional typesetting in^^J%
4426 * plain TeX and LaTeX, using XeTeX engine)^^J%
4427 * ^^J%
4428 * Description: A convenient interface for^^J%
4429 * typesetting bidirectional texts in plain TeX^^J%
4430 * and LaTeX. The package includes adaptations^^J%
4431 * for use with many other commonly-used packages.^^J%
4432 * ^^J%
4433 * Copyright (c) 2007--2024 Vafa Khalighi^^J%
4434 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
4435 * ^^J%
4436 * v\bidi@version\space (Release \bidi@releasename), \bididate^^J%
4437 * ^^J%
4438 * License: LaTeX Project Public License, version^^J%
4439 * 1.3c or higher (your choice)^^J%
4440 * ^^J%
4441 * Location on CTAN: /macros/xetex/latex/bidi^^J%
4442 * ^^J%
4443 * Issue tracker: https://github.com/xepersian/bidi/issues^^J%
4444 * ^^J%
4445 * Discussions: https://github.com/xepersian/bidi/discussions^^J%
4446 * ^^J%
4447 * Primary author of bidi package: Vafa Khalighi.^^J%
4448 * ^^J%
4449 *****}
4450 \edef\bidi@everyjob{\the\everyjob}
4451 \message{\@bidi@info}
4452 \everyjob{\bidi@everyjob\message{\@bidi@info}}
4453 \def\bidiversion{%
4454   \relax
4455   \ifmmode

```



```

4456 \bidi@version
4457 \else
4458 $\bidi@version$
4459 \fi
4460 }
4461 \input iftex.sty
4462 \RequireXeTeX
4463 \newif\if@bidi@pdfm@mark
4464 \newif\if@RTLmain
4465 \newif\if@RTL
4466 \newif\if@hboxRconstruct
4467 \newif\if@sentdir
4468 \newif\if@RTL@footnote
4469 \@RTLmainfalse
4470 \def\setRTLmain{%
4471 \if@RTLmain\else
4472 \if@RTL\@RTLmaintrue%
4473 \else\@RTLmainfalse%
4474 \fi%
4475 \fi%
4476 }
4477 \let\n@xt=\
4478 \protected\def\LRE{\protect\pLRE}%
4479 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
4480 \protected\def\RLE{\protect\pRLE}
4481 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
4482 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
4483 \errmessage{Missing left brace has been substituted}\fi \bgroup}
4484 \newinsert\@bidi@copyins@
4485 \skip\@bidi@copyins@=12\p@
4486 \dimen\@bidi@copyins@=40pc
4487 \count\@bidi@copyins@=1000
4488 \def\@bidi@inslogo@\@insert\@bidi@copyins@\@bidi@logo@}
4489 \def\@bidi@logo@hb@xt@{%
4490 \if@RTLmain
4491 \hboxR to
4492 \else
4493 \hboxL to
4494 \fi
4495 }
4496 \def\@bidi@logo#1{%
4497 \toks@{%
4498 \setbox\z@\hbox{%
4499 \special{%
4500 pdf:image width 50pt height 50pt (#1)%
4501 }
4502 }%
4503 \dp\z@\z@
4504 \ht\z@=50pt
4505 \wd\z@=50pt
4506 \beginL
4507 \lower20pt\box\z@
4508 \endL
4509 }%

```



```

4510 \the\toks@
4511 }
4512 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hspace{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@
4513 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
4514 \def\@bidi@pdfcreator{%
4515 The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4516 }
4517 \def\@bidi@pdfproducer{%
4518 The bidi package, v\@bidi@version\space (Release \@bidi@releasename), \@bidi@date
4519 }
4520 \def\@bidi@pdfcustomproperties{%
4521 This is the bidi package, Version \@bidi@version\space (Release \@bidi@releasename),
4522 Released December 20, 2024.
4523 }
4524 \def\@bidi@pdfmark{%
4525 \special{pdf:
4526 docinfo<<%
4527 \if\@bidi@pdfmark
4528 /Creator(\@bidi@pdfcreator)%
4529 /Producer(\@bidi@pdfproducer)%
4530 \fi
4531 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
4532 >>%
4533 }%
4534 }
4535 \def\@bidi@pdfinfoon{\@bidi@pdfmarktrue}
4536 \def\@bidi@pdfinfooff{\@bidi@pdfmarkfalse}
4537 \input plain-xetex-bidi.def
4538 \@bidi@inslogo@
4539 \outer\def\bye{\par\vfill\supereject\@bidi@pdfmark@end}
4540 \catcode\@=12
4541 \bidi@pdfinfoon

```

47 File bidi2in1.sty

```

4542 \NeedsTeXFormat{LaTeX2e}
4543 \ProvidesPackage{bidi2in1}
4544 \pagestyle{plain}
4545 \newcount\evenpage
4546 \newcount\oddpages
4547 \twocolumn
4548 \def\@oddfooter{\evenpage=\thepage%
4549 \multiply\evenpage by 2%
4550 \oddpages=\the\evenpage%
4551 \advance\oddpages by -1%
4552 \hfil\the\evenpage\hfil\hfil\the\oddpages\hfil}%
4553 \def\@evenfoot{\evenpage=\thepage%
4554 \multiply\evenpage by 2%
4555 \oddpages=\the\evenpage%
4556 \advance\oddpages by -1%
4557 \hfil\the\oddpages\hfil\hfil\the\evenpage\hfil}%
4558 \textwidth 9.49in
4559 \textheight 6.7in
4560 \columnsep 0.9in

```



```

4561 \columnseprule 0.125pt
4562 \headheight 0cm
4563 \topmargin 0in
4564 \marginparwidth 0in
4565 \marginparsep 0in
4566 \hoffset 0.05in % Corrected
4567 \voffset -0.5in %top margin space is 1.0in by default
4568 \oddsidemargin 0in
4569 \evensidemargin 0in
4570 \headsep 0cm
4571 \topskip 0cm
4572 \parskip 0.15in %
4573 \headsep 0pt
4574 \special{papersize=11.69in,8.26in}
4575 \renewcommand\maketitle{\par
4576 \begingroup
4577 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
4578 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
4579 \long\def\@makefntext##1{\parindent 1em\noindent
4580 \hb@xt@1.8em{%
4581 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
4582 \@maketitle
4583 \@thanks
4584 \endgroup
4585 \setcounter{footnote}{0}%
4586 \global\let\thanks\relax
4587 \global\let\maketitle\relax
4588 \global\let\@maketitle\relax
4589 \global\let\@thanks\@empty
4590 \global\let\@author\@empty
4591 \global\let\@date\@empty
4592 \global\let\@title\@empty
4593 \global\let\title\relax
4594 \global\let\author\relax
4595 \global\let\date\relax
4596 \global\let\and\relax
4597 }

```

48 File bidicode.sty

```

4598 \NeedsTeXFormat{LaTeX2e}
4599 \ProvidesPackage{bidicode}
4600 \RequirePackage{xcolor}
4601 \RequirePackage{showexpl}
4602 \definecolor{hellgelb}{rgb}{1,1,0.85}
4603 \definecolor{colKeys}{rgb}{0.2,0.4,0.8}
4604 \definecolor{colCS}{rgb}{0.2,0.4,0.8}
4605 \definecolor{colIdentifier}{rgb}{0,0,0}
4606 \definecolor{colComments}{rgb}{1,0,0}
4607 \definecolor{colString}{rgb}{0,0.5,0}
4608 \lstset{%
4609     language=[LaTeX]TeX,%
4610     float=hbp,%
4611     basicstyle=\ttfamily\small,%

```



```

4612 identifierstyle=\color{colIdentifier},%
4613 keywordstyle=\color{colKeys},%
4614 texcsstyle=*\color{colCS},%
4615 stringstyle=\color{colString},%
4616 commentstyle=\color{colComments},%
4617 backgroundcolor=\color{hellgelb},%
4618 columns=flexible,%
4619 tabsize=4,%
4620 extendedchars=true,%
4621 showspaces=false,%
4622 showstringspaces=false,%
4623 numbers=left,%
4624 numbersep=0.9em,%
4625 numberstyle=\tiny,%
4626 frame=single,%
4627 captionpos=b,%
4628 xleftmargin=1em,%
4629 breaklines=true,%
4630 breakautoindent=false,%
4631 breakindent=0pt,%
4632 escapeinside=**,%
4633 pos=r,%
4634 explpreset={%
4635     xleftmargin=1em,%
4636     columns=flexible,%
4637     language=[LaTeX]TeX%
4638 },%
4639 moretexcs={%
4640     bididate,%
4641     bidiversion,%
4642     deflatinfont,%
4643     depersianfont,%
4644     ding,%
4645     endLTR,%
4646     endRTL,%
4647     false,%
4648     falsesymbol,%
4649     junicode,%
4650     lr,%
4651     LR,%
4652     LRE,%
4653     LTR,%
4654     maketitle,%
4655     Nastaliq,%
4656     newfontfamily,%
4657     Parsifont,%
4658     part,%
4659     RL,%
4660     RLE,%
4661     RTL,%
4662     RTLcases,%
4663     SepMark,%
4664     setLR,%
4665     setLTR,%

```



```

4666     setRL,%
4667     setRTL,%
4668     settextrfont,%
4669     subsection,%
4670     subsubsection,%
4671     tableofcontents,%
4672     text,%
4673     theequation,%
4674     thesection,%
4675     true,%
4676     truesymbol,%
4677     XePersian,%
4678     xepersiandate,%
4679     xepersianversion%
4680 }%
4681 }
4682 \newcommand\HLON{%
4683   \gdef\lst@alloverstyle##1{%
4684     \fboxrule=Opt
4685     \fboxsep=Opt
4686     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
4687   }}
4688 \newcommand\HLOFF{%
4689   \xdef\lst@alloverstyle##1{##1}%
4690 }
4691 \newcommand\Larg [1]{\normalfont\itshape#1\}/}
4692 \newcommand\Larga[1]{\langle$Larg{#1}$\rangle$}
4693 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
4694 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
4695 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
4696 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
4697 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
4698
4699 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
4700 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
4701 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`}}
4702 \DeclareRobustCommand\lsb{\normalfont\ttfamily[]}
4703 \DeclareRobustCommand\rsb{\normalfont\ttfamily]}
4704 \DeclareRobustCommand\lrb{\normalfont\ttfamily()}
4705 \DeclareRobustCommand\rrb{\normalfont\ttfamily}}
4706
4707 \def\Lcs#1{\nxLcs{#1}}
4708 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
4709 \def\nxLcs#1{\texttt{\symbol{92}#1}}
4710
4711 \def\Coordx#1{$x_{#1}$}
4712 \def\Coordy#1{$y_{#1}$}
4713 \def\Coordz#1{$z_{#1}$}
4714 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
4715 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
4716 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
4717 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
4718 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
4719 \def\coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}

```



```

4720 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
4721 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
4722 \def\coordx#1{($x_{#1}$)}
4723 \def\coordy#1{($y_{#1}$)}
4724 \def\coordz#1{($z_{#1}$)}
4725 \def\cAny{(\Coordx{ },\kern 1pt\Coordy{ })}
4726 \def\ciiiiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
4727
4728 \newsavebox{\boxdef}
4729 \newenvironment{BDef}
4730   {\begin{lrbox}\boxdef
4731     \def\arraystretch{1.0}
4732     \begin{tabular}{@{}l@{}l@{}l@{}}
4733   }
4734   {\end{tabular}\end{lrbox}}
4735
4736   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
4737   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4738 }
4739
4740 \newenvironment{BDef*}
4741   {\begin{lrbox}\boxdef
4742     \def\arraystretch{1.0}
4743     \begin{tabular}{@{}l@{}l@{}l@{}}
4744   }
4745   {\end{tabular}\end{lrbox}}
4746   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
4747   \aftergroup\@afterindentfalse\aftergroup\@afterheading
4748 }
4749 \newenvironment{BCmd}{
4750   \@beginparpenalty-\@lowpenalty
4751   \topsep\BDefaboveskip
4752   \fbboxsep3pt
4753   \flushleft}
4754   {\@endparpenalty\@M
4755   \@topsepadd\BDefbelowskip
4756   \endflushleft}
4757
4758 \newenvironment{BCmd*}{
4759   \@beginparpenalty\@M
4760   \topsep\BDefinlineskip
4761   \fbboxsep3pt
4762   \flushleft}
4763   {\@endparpenalty5000
4764   \endflushleft}
4765
4766 \newskip\BDefaboveskip
4767 \newskip\BDefbelowskip
4768 \newskip\BDefinlineskip
4769 \setlength\BDefaboveskip{10pt plus 4pt}
4770 \setlength\BDefbelowskip{6pt}
4771 \setlength\BDefinlineskip{6pt}
4772
4773 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}

```




```

4774 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
4775 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
4776 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

49 File bidiftnxtra.sty

```

4777 \NeedsTeXFormat{LaTeX2e}
4778 \ProvidesPackage{bidiftnxtra}
4779 \newtoks\bidip@ftn
4780 \let\FN@sf@@footnote\footnote
4781 \let\FN@sf@LTRfootnote\LTRfootnote
4782 \let\FN@sf@RTLfootnote\RTLfootnote
4783 \def\footnote{\ifx\protect\@typeset@protect
4784   \expandafter\FN@sf@@footnote
4785   \else
4786     \expandafter\FN@sf@gobble@opt
4787   \fi
4788 }
4789 \def\LTRfootnote{\ifx\protect\@typeset@protect
4790   \expandafter\FN@sf@LTRfootnote
4791   \else
4792     \expandafter\FN@sf@gobble@opt
4793   \fi
4794 }
4795 \def\RTLfootnote{\ifx\protect\@typeset@protect
4796   \expandafter\FN@sf@RTLfootnote
4797   \else
4798     \expandafter\FN@sf@gobble@opt
4799   \fi
4800 }
4801 \edef\FN@sf@gobble@opt{\noexpand\protect
4802   \expandafter\noexpand\csname FN@sf@gobble@opt \endcsname}
4803 \expandafter\def\csname FN@sf@gobble@opt \endcsname{%
4804   \@ifnextchar[%]
4805     \FN@sf@gobble@twobrace
4806     \@gobble
4807 }
4808 \def\FN@sf@gobble@twobrace[#1]#2{}
4809 \let\FN@sf@@footnotemark\footnotemark
4810 \def\footnotemark{\ifx\protect\@typeset@protect
4811   \expandafter\FN@sf@@footnotemark
4812   \else
4813     \expandafter\FN@sf@gobble@optonly
4814   \fi
4815 }
4816 \edef\FN@sf@gobble@optonly{\noexpand\protect
4817   \expandafter\noexpand\csname FN@sf@gobble@optonly \endcsname}
4818 \expandafter\def\csname FN@sf@gobble@optonly \endcsname{%
4819   \@ifnextchar[%]
4820     \FN@sf@gobble@bracket
4821     {}%
4822 }
4823 \def\FN@sf@gobble@bracket[#1]{}
4824 \def\@tabular{%

```



```

4825 \leavevmode \hbox \bgroup
4826 \let\@footnotetext\@bidi@p@ftntext
4827 \let\@LTRfootnotetext\@bidi@p@LTRftntext
4828 \let\@RTLfootnotetext\@bidi@p@RTLftntext
4829 \let\@xfootnotetext\@bidi@p@xftntext
4830 \let\@xfootnote\@bidi@p@xfootnote
4831 \let\@xLTRfootnotetext\@bidi@p@xLTRftntext
4832 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4833 \let\@xRTLfootnotetext\@bidi@p@xRTLftntext
4834 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
4835 \if@RTLtab\beginR \fi
4836 $\let\@acol\@tabacol
4837 \let\@classz\@tabclassz
4838 \let\@classiv\@tabclassiv \let\@tabularcr\@tabarray}
4839 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
4840 \egroup $\if@RTLtab\endR\fi\egroup
4841 \ifx\@capttype\@undefined
4842 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
4843 \long\def\@bidi@p@ftntext#1{%
4844 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
4845 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
4846 \long\def\@bidi@p@LTRftntext#1{%
4847 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
4848 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
4849 \long\def\@bidi@p@RTLftntext#1{%
4850 \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
4851 \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
4852
4853
4854 \long\def\@bidi@p@xftntext[#1]#2{%
4855 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
4856
4857 \long\def\@bidi@p@xLTRftntext[#1]#2{%
4858 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\LTRfootnotetext[#1]{#2}}}
4859
4860 \long\def\@bidi@p@xRTLftntext[#1]#2{%
4861 \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\RTLfootnotetext[#1]{#2}}}
4862
4863
4864 \def\@bidi@p@xfootnote[#1]{%
4865 \begingroup
4866 \csname c@\@mpfn\endcsname #1\relax
4867 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4868 \endgroup
4869 \@footnotemark\@bidi@p@xftntext[#1]}
4870
4871
4872 \def\@bidi@p@xLTRfootnote[#1]{%
4873 \begingroup
4874 \csname c@\@mpfn\endcsname #1\relax
4875 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4876 \endgroup
4877 \@footnotemark\@bidi@p@xLTRftntext[#1]}
4878

```



```

4879
4880 \def\bidi@p@xRTLfootnote[#1]{%
4881   \begingroup
4882     \csname c@\mpfn\endcsname #1\relax
4883     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4884   \endgroup
4885   \@footnotemark\bidi@p@xRTLftntext[#1]}
4886
4887 \def\@xfloat #1[#2]{%
4888   \@nodocument
4889   \def \@capytype {#1}%
4890   \def \@fps {#2}%
4891   \@onelevel@sanitize \@fps
4892   \def \reserved@b {!}%
4893   \ifx \reserved@b \@fps
4894     \@fpsaddefault
4895   \else
4896     \ifx \@fps \@empty
4897       \@fpsaddefault
4898     \fi
4899   \fi
4900   \ifhmode
4901     \@bsphack
4902     \@floatpenalty -\@Mii
4903   \else
4904     \@floatpenalty-\@Miii
4905   \fi
4906   \ifinner
4907     \@parmoderr\@floatpenalty\z@
4908   \else
4909     \@next\@currbox\@freelist
4910     {%
4911       \@tempcnta \sixt@n
4912       \expandafter \@tfor \expandafter \reserved@a
4913         \expandafter :\expandafter =\@fps
4914       \do
4915         {%
4916           \if \reserved@a h%
4917             \ifodd \@tempcnta
4918           \else
4919             \advance \@tempcnta \@ne
4920           \fi
4921         \fi
4922         \if \reserved@a t%
4923           \@setfpsbit \tw@
4924         \fi
4925         \if \reserved@a b%
4926           \@setfpsbit 4%
4927         \fi
4928         \if \reserved@a p%
4929           \@setfpsbit 8%
4930         \fi
4931         \if \reserved@a !%
4932           \ifnum \@tempcnta>15

```



```

4933         \advance\@tempcnta -\sixt@n\relax
4934         \fi
4935     \fi
4936 }%
4937 \@tempcntb \csname ftype@\@capttype \endcsname
4938 \multiply \@tempcntb \@xxxii
4939 \advance \@tempcnta \@tempcntb
4940 \global \count\@currbox \@tempcnta
4941 }%
4942 \@fltovf
4943 \fi
4944 \global \setbox\@currbox
4945 \color@vbox
4946 \normalcolor
4947 \vbox \bgroup
4948 \let\@footnotetext\@bidi@p@ftntext
4949 \let\@LTRfootnotetext\@bidi@p@LTRftntext
4950 \let\@RTLfootnotetext\@bidi@p@RTLftntext
4951 \let\@xfootnotenext\@bidi@p@xftntext
4952 \let\@xfootnote\@bidi@p@xfootnote
4953 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
4954 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
4955 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
4956 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
4957 \hsize\columnwidth
4958 \@parboxrestore
4959 \@floatboxreset
4960 }
4961 \def \@endfloatbox{%
4962     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
4963     \@minipagefalse
4964     \outer@nobreak
4965     \egroup                %% end of vbox
4966     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
4967     \color@endbox
4968 }

```

50 File bidimoderncv.cls

```

4969 \NeedsTeXFormat{LaTeX2e}
4970 \ProvidesClass{bidimoderncv}
4971 \newif\if@DEBUG\@DEBUGfalse
4972 \DeclareOption{a4paper}{
4973     \setlength\paperheight{297mm}
4974     \setlength\paperwidth{210mm}}
4975 \DeclareOption{a5paper}{
4976     \setlength\paperheight{210mm}
4977     \setlength\paperwidth{148mm}}
4978 \DeclareOption{b5paper}{
4979     \setlength\paperheight{250mm}
4980     \setlength\paperwidth{176mm}}
4981 \DeclareOption{letterpaper}{
4982     \setlength\paperheight{11in}
4983     \setlength\paperwidth{8.5in}}

```



```

4984 \DeclareOption{legalpaper}{
4985   \setlength\paperheight{14in}
4986   \setlength\paperwidth{8.5in}}
4987 \DeclareOption{executivepaper}{
4988   \setlength\paperheight{10.5in}
4989   \setlength\paperwidth{7.25in}}
4990 \DeclareOption{landscape}{
4991   \setlength\@tempdima{\paperheight}
4992   \setlength\paperheight{\paperwidth}
4993   \setlength\paperwidth{\@tempdima}}
4994 \newcommand\@ptsizelength{}
4995 \DeclareOption{10pt}{\renewcommand\@ptsizelength{10pt}}
4996 \DeclareOption{11pt}{\renewcommand\@ptsizelength{11pt}}
4997 \DeclareOption{12pt}{\renewcommand\@ptsizelength{12pt}}
4998 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
4999 \DeclareOption{final}{\setlength\overfullrule{0pt}}
5000 \newif\if@colour\@colourtrue
5001 \DeclareOption{nocolour}{\@colourfalse}
5002 \ExecuteOptions{a4paper,11pt,colour,final}
5003 \ProcessOptions\relax
5004 \input{size1\@ptsizelength.clo}
5005 \RequirePackage{color}
5006 \RequirePackage{graphicx}
5007 \RequirePackage{ifthen}
5008 \RequirePackage{marvosym}
5009 \addtolength{\oddsidemargin}{-54pt}
5010 \addtolength{\textwidth}{109pt}
5011 \addtolength{\topmargin}{-70pt}
5012 \addtolength{\textheight}{122pt}
5013 \addtolength{\marginparsep}{-5pt}
5014 \addtolength{\marginparwidth}{-10pt}
5015 \RequirePackage{url}
5016 \RequirePackage{hyperref}
5017 \hypersetup{
5018   breaklinks,
5019   baseurl      = http://,%
5020   pdfborder    = 0 0 0,%
5021   pdfpagemode  = UseNone,%
5022   pdfstartpage = 1}
5023 \AtEndOfClass{
5024   \AtBeginDocument{
5025     \hypersetup{
5026       pdfauthor    = \@firstname~\@familyname,%
5027       pdftitle     = \@title,%
5028       pdfsubject   = \@firstname~\@familyname,%
5029       pdfkeywords  = \@resumename~\@firstname~\@familyname}}}
5030 \urlstyle{tt}
5031 \RequirePackage{fancyhdr}
5032 \fancypagestyle{plain}{
5033   \renewcommand{\headrulewidth}{0pt}
5034   \renewcommand{\footrulewidth}{0pt}
5035   \fancyhf{}}
5036 \pagestyle{plain}
5037 \setlength\lineskip{1\p@}

```



```

5038 \setlength\normallineskip{1\p@}
5039 \renewcommand\baselinestretch{}
5040 \setlength{\parindent}{Opt}
5041 \setlength{\parskip}{Opt}
5042 \setlength\columnsep{10\p@}
5043 \setlength\columnseprule{0\p@}
5044 \pagestyle{empty}
5045 \pagenumbering{arabic}
5046 \raggedbottom
5047 \onecolumn
5048 \providecommand*\listitemsymbol{\textbullet}
5049 \providecommand*\addresssymbol{}
5050 \providecommand*\mobilesymbol{\Mobilefone}
5051 \providecommand*\phonesymbol{\Telefon}
5052 \providecommand*\faxsymbol{\FAX}
5053 \providecommand*\emailsymbol{\Letter}
5054 \definecolor{firstnamecolor}{rgb}{0,0,0}
5055 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
5056 \def\familynamcolour#1{\gdef\@familynamcolour{\addfontfeature{Color=#1}}}
5057 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
5058 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
5059 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
5060 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
5061 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
5062 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
5063 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
5064 \providecommand*\firstnamefont{}
5065 \providecommand*\familynamefont{}
5066 \providecommand*\titlefont{}
5067 \providecommand*\addressfont{}
5068 \providecommand*\quoteftfont{}
5069 \providecommand*\sectionfont{}
5070 \providecommand*\subsectionfont{}
5071 \providecommand*\hintfont{\small}
5072 \providecommand*\firstnamestyle[1]{\{\@firstnamefont\@firstnamecolour#1}}
5073 \providecommand*\familynamestyle[1]{\{\@familynamefont\@familynamecolour#1}}
5074 \providecommand*\titlestyle[1]{\{\@titlefont\@titlecolour#1}}
5075 \providecommand*\addressstyle[1]{\{\@addressfont\@addresscolour#1}}
5076 \providecommand*\quotestyle[1]{\{\@quoteftfont\@quotecolour#1}}
5077 \providecommand*\sectionstyle[1]{\{\@sectionfont\@sectiontitlecolour#1}}
5078 \providecommand*\subsectionstyle[1]{\{\@subsectionfont\@subsectioncolour#1}}
5079 \providecommand*\hintstyle[1]{\{\@hintfont\@hintcolour#1}}
5080 \newcommand*\cvtheme}[2] [] {
5081   \def\@cvtheme{#2}
5082   \def\@cvthemeoptions{#1}}
5083 \cvtheme{bidi-casual}
5084 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
5085 \newcommand*\resumename[1]{\def\@resumename{#1}}
5086 \newcommand*\firstname[1]{\def\@firstname{#1}}
5087 \newcommand*\familyname[1]{\def\@familyname{#1}}
5088 \renewcommand*\title[1]{\def\@title{#1}}
5089 \newcommand*\address[1]{\def\@address{#1}}
5090 \newcommand*\mobile[1]{\def\@mobile{#1}}
5091 \newcommand*\phone[1]{\def\@phone{#1}}

```



```

5092 \renewcommand*\fax}[1]{\def\@fax{#1}}
5093 \newcommand*\email}[1]{\def\@email{#1}}
5094 \newcommand*\extrainfo}[1]{\def\@extrainfo{#1}}
5095 \def\@photowidth{0pt}
5096 \newcommand*\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
5097 \newcommand*\quote}[1]{\def\@quote{#1}}
5098 \newlength{\quotewidth}
5099 \newlength{\hintscolumnwidth}
5100 \newlength{\separatorcolumnwidth}
5101 \setlength{\separatorcolumnwidth}{0.025\textwidth}
5102 \newlength{\maincolumnwidth}
5103 \newlength{\doubleitemmaincolumnwidth}
5104 \newlength{\listitemsymbolwidth}
5105 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
5106 \newlength{\listitemmaincolumnwidth}
5107 \newlength{\listdoubleitemmaincolumnwidth}
5108 \newcommand*\recomputethemelengths{}
5109 \newcommand*\recomputelengths{%
5110 \setlength{\quotewidth}{0.65\textwidth}%
5111 \setlength{\maincolumnwidth}{\textwidth}%
5112 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
5113 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
5114 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
5115 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
5116 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
5117 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
5118 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
5119 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
5120 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
5121 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
5122 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
5123 \renewcommand{\headwidth}{\textwidth}%
5124 \recomputethemelengths}
5125 \setlength{\hintscolumnwidth}{0.15\textwidth}
5126 \recomputelengths
5127 \title{}
5128 \renewcommand*\maketitle{}
5129 \newcommand*\section}[1]{%
5130 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
5131 \phantomsection}%
5132 \addcontentsline{toc}{part}{#1}%
5133 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
5134 \hspace{\separatorcolumnwidth}%
5135 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\@{1ex}}
5136 \newcommand*\subsection}[1]{%
5137 \cvline[0.45em]{\subsectionstyle{#1}}
5138 \newcommand*\cvline}[3][.25em]{%
5139 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}
5140 \bidi@raggedleft\hintfont{#2} &{#3}%
5141 \end{tabular}}\@{#1}}
5142 \newcommand*\cvdoubleitem}[4]{%
5143 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
5144 \hfill%
5145 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\

```



```

5146 \newcommand*{\cvlistitem}[2][\listitemssymbol{}]{%
5147   \cvline[Opt]{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}{#1}
5148 \newcommand*{\cvlistdoubleitem}[3][\listitemssymbol{}]{%
5149   \cvline[Opt]{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}{#1}
5150   \hfill%
5151   \ifthenelse{\equal{#3}{}}{#3}{%
5152     #3}%
5153   {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}{#1}
5154 \newcommand*{\cventry}[6]{%
5155   \cvline{#1}{%
5156     {\bfseries#2}%
5157     \ifx#3\else{, \slshape#3}\fi%
5158     \ifx#4\else{, #4}\fi%
5159     \ifx#5\else{, #5}\fi%
5160     .%
5161     \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}\fi%
5162   }%
5163 \newcommand*{\cvlanguage}[3]{%
5164   \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}}{#1}{#2}{#3}
5165 \newcommand*{\cvcomputer}[4]{%
5166   \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}{#1}{#2}{#3}{#4}
5167 \newcommand*{\link}[2][ ]{%
5168   \ifthenelse{\equal{#1}{}}{#2}{%
5169     {\href{#2}{#2}}%
5170     {\href{#2}{#1}}}}{#1}{#2}
5171 \newcommand*{\httplink}[2][ ]{%
5172   \ifthenelse{\equal{#1}{}}{#2}{%
5173     {\href{http://#2}{#2}}%
5174     {\href{http://#2}{#1}}}}{#1}{#2}
5175 \newcommand*{\emailink}[2][ ]{%
5176   \ifthenelse{\equal{#1}{}}{#2}{%
5177     {\href{mailto:#2}{#2}}%
5178     {\href{mailto:#2}{#1}}}}{#1}{#2}
5179 \newif\if@displaypagenumbers@displaypagenumberstrue
5180 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
5181 \AtBeginDocument{%
5182   \if@displaypagenumbers%
5183     \@ifundefined{r@lastpage}{}{%
5184       \ifthenelse{\pageref{lastpage} > 1}{%
5185         \fancypagestyle{plain}{%
5186           \fancyfoot [r]{\beginL\addressfont\quotecolour\footnotesize\thepage\beginL/\endL\pageref{lastpage}}}%
5187         \pagestyle{plain}}}{%
5188       \AtEndDocument{\label{lastpage}}%
5189       \fi}
5190 \newlength{\bibindent}
5191 \setlength{\bibindent}{1.5em}
5192 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
5193 \newenvironment{thebibliography}[1]{%
5194   {%
5195     \section{\refname}%
5196     \small%
5197     \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi%
5198     \bidi@thebibliography@font@hook%
5199     \begin{list}{\bibliographyitemlabel}{%

```




```

5200   {%
5201     \setlength{\topsep}{0pt}%
5202     \setlength{\labelwidth}{\hintscolumnwidth}%
5203     \setlength{\labelsep}{\separatorcolumnwidth}%
5204     \leftmargin\labelwidth%
5205     \advance\leftmargin\labelsep%
5206     \@openbib@code%
5207     \usecounter{enumiv}%
5208     \let\p@enumiv\@empty%
5209     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
5210     \sloppy\clubpenalty4000\widowpenalty4000%
5211   }%
5212   {%
5213     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
5214     \end{list}%
5215   }
5216 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
5217 \let\@openbib@code\@empty

```

51 File bidi-perpage.sty

```

5218 \NeedsTeXFormat{LaTeX2e}
5219 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
5220 \newcount\bidi@page@count
5221 \bidi@page@count\@one
5222 \newcommand*\ResetCounterPerPage}[2][\z@]{%
5223   \if@bidi@csundef{bidi@stepcounterhook@@#2}{%
5224     \expandafter\gdef\csname bidi@stepcounterhook@@#2\endcsname{}%
5225   }{}%
5226   \if@bidi@csundef{if@bidi@reset@#2@rerun}{%
5227     \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
5228   }{}%
5229   \if@bidi@csundef{bidi@#2@count}{%
5230     \expandafter\newcount\csname bidi@#2@count\endcsname
5231   }{}%
5232   \csname bidi@#2@count\endcsname\z@
5233   \if@bidi@csundef{bidi@previous@page@@#2@count}{%
5234     \expandafter\newcount\csname
5235       bidi@previous@page@@#2@count\endcsname
5236   }{}%
5237   \csname bidi@previous@page@@#2@count\endcsname\z@
5238   \if@bidi@csundef{bidi@reset@#2@perpage}{%
5239     \bidi@AfterEndDocumentCheckLabelsRerun%
5240     \csname if@bidi@reset@#2@rerun\endcsname
5241     \PackageWarningNoLine{bidi-perpage}{%
5242       Counter `#2' may not have been reset per page.
5243       Rerun to reset counter `#2' per page%
5244     }%
5245     \fi
5246   }%
5247 }{}%
5248 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
5249   \global\advance\csname bidi@#2@count\endcsname\@one
5250   \if@filesw

```



```

5251     \edef\@tempa{%
5252         \write\@auxout{%
5253             \string\@bidi@counter@page{#2}%
5254             {\number\csname bidi@#2@count\endcsname}%
5255             {\noexpand\number\noexpand\@bidi@page@count}%
5256         }%
5257     }%
5258     \@tempa
5259 \fi
5260 \begingroup\expandafter\expandafter\expandafter\endgroup
5261 \expandafter\ifx\csname bidi@#2@@\number\csname
5262 bidi@#2@count\endcsname\endcsname\relax
5263 \global\csname @bidi@reset@#2@reruntrue\endcsname
5264 \else
5265 \global\csname @bidi@reset@#2@rerunfalse\endcsname
5266 \expandafter\@tempcnta\csname bidi@#2@@\number
5267 \csname bidi@#2@count\endcsname\endcsname\relax
5268 \ifnum\@tempcnta=\csname
5269 bidi@previous@page@#2@count\endcsname
5270 \else
5271 \global\csname
5272 bidi@previous@page@#2@count\endcsname\@tempcnta
5273 \global\csname c@#2\endcsname#1\relax
5274 \fi
5275 \fi
5276 }%
5277 \expandafter\@bidi@gappto\csname
5278 bidi@stepcounterhook@#2\endcsname{%
5279 \csname bidi@reset@#2@perpage\endcsname
5280 }%
5281 }
5282 \def\@bidi@counter@page#1#2#3{\@bidi@namegdef{\@bidi@#1@#2}{#3}}
5283 \@bidi@AtEndOutputPage{%
5284 \global\advance\@bidi@page@count\@ne
5285 }

```

52 File `biditools.sty`

```

5286 \NeedsTeXFormat{LaTeX2e}
5287 \ProvidesPackage{biditools}[2024/12/07 v2.4 Programming tools for bidi package]
5288 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
5289 \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
5290 \ifx\@tempa\@tempb \global\let#2#1%
5291 \else
5292 \edef\@tempb{\meaning#2}%
5293 \ifx\@tempa\@tempb
5294 \else
5295 \latexerror{Unable to properly define \string#2; primitive
5296 \noexpand#1no longer primitive}\@eha
5297 \fi
5298 \fi
5299 \endgroup}
5300 \newtoks\@bidi@envbody
5301 \newtoks\@bidi@emptytoks

```



```

5302 \def\ bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5303 \def\ bidi@collect@body#1{%
5304   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5305   \edef\ bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentenv}}%
5306   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5307   \begingroup
5308   \expandafter\let\csname\@currentenv\endcsname\ bidi@collect@@body
5309   \edef\ bidi@process@envbody{\expandafter\noexpand\csname\@currentenv\endcsname}%
5310   \ bidi@process@envbody
5311 }
5312 \def\ bidi@push@begins#1\begin#2{%
5313   \ifx\end#2\else b\expandafter\ bidi@push@begins\fi
5314 }
5315 \def\ bidi@collect@@body#1\end#2{%
5316   \edef\begin@bidi@stack{\ bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack
5317   \ifx\@empty\begin@bidi@stack
5318     \endgroup
5319     \@checkend{#2}%
5320     \ bidi@addto@envbody{#1}%
5321   \else
5322     \ bidi@addto@envbody{#1\end{#2}}%
5323   \fi
5324   \ bidi@process@envbody % A little tricky! Note the grouping
5325 }
5326 \long\def\ bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
5327 \long\def\ bidi@collect@long@body#1{%
5328   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
5329   \edef\ bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentenv}}%
5330   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
5331   \begingroup
5332   \expandafter\let\csname\@currentenv\endcsname\ bidi@collect@long@@body
5333   \edef\ bidi@process@envbody{\expandafter\noexpand\csname\@currentenv\endcsname}%
5334   \ bidi@process@envbody
5335 }
5336 \long\def\ bidi@push@long@begins#1\begin#2{%
5337   \ifx\end#2\else b\expandafter\ bidi@push@long@begins\fi
5338 }
5339 \long\def\ bidi@collect@long@@body#1\end#2{%
5340   \edef\begin@bidi@stack{\ bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@
5341   \ifx\@empty\begin@bidi@stack
5342     \endgroup
5343     \@checkend{#2}%
5344     \ bidi@addto@long@envbody{#1}%
5345   \else
5346     \ bidi@addto@long@envbody{#1\end{#2}}%
5347   \fi
5348   \ bidi@process@envbody % A little tricky! Note the grouping
5349 }
5350 \long\def\ bidi@new@ifnextchar#1#2#3{%
5351   \let\reserved@d= #1%
5352   \def\reserved@a{#2}\def\reserved@b{#3}%
5353   \futurelet\@let@token\ bidi@new@ifnch
5354 }
5355 \def\ bidi@new@ifnch{%

```



```

5356 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
5357 \reserved@b
5358 }
5359 \def\ bidi@matrix@check#1{%
5360 \expandafter\ifx\csname\@currentenv\endcsname#1%
5361 \else\ bidi@matrix@error#1%
5362 \expandafter\@gobble
5363 \fi
5364 }
5365 \def\ bidi@matrix@error#1{%
5366 \PackageError{biditools}{%
5367 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
5368 }{%
5369 '\string#1{...}' is old bidi package syntax whose use is
5370 ill-advised in the old versions of bidi package.%
5371 }%
5372 }
5373 \def\@tagsextension{clo}
5374 \def\@definitionfileextension{def}
5375 \def\@texfileextension{tex}
5376 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
5377 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
5378 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
5379 \def\eqnewif#1#2{%
5380 \count@\escapechar \escapechar\m@ne
5381 \let#1\iffalse
5382 \let#2\iffalse
5383 \eq@if#1#2\iftrue
5384 \eq@if#1#2\iffalse
5385 \escapechar\count@}
5386 \def\eq@if#1#2#3{%
5387 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
5388 \expandafter\@gobbletwo\string#3\endcsname
5389 {\let#1#3%
5390 \let#2#3}%
5391 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
5392 \expandafter\@gobbletwo\string#3\endcsname
5393 {\let#2#3%
5394 \let#1#3}}
5395 \def\noteqnewif#1#2{%
5396 \count@\escapechar \escapechar\m@ne
5397 \let#1\iffalse
5398 \let#2\iffalse
5399 \not@eq@if#1#2\iftrue\iffalse
5400 \escapechar\count@}
5401 \def\not@eq@if#1#2#3#4{%
5402 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
5403 \expandafter\@gobbletwo\string#3\endcsname
5404 {\let#1#3%
5405 \let#2#4}%
5406 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
5407 \expandafter\@gobbletwo\string#4\endcsname
5408 {\let#1#4%
5409 \let#2#3}%

```



```

5410 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5411         \expandafter@gobbletwo\string#3\endcsname
5412         {\let#2#3%
5413         \let#1#4}%
5414 \expandafter\def\csname\expandafter@gobbletwo\string#2%
5415         \expandafter@gobbletwo\string#4\endcsname
5416         {\let#2#4%
5417         \let#1#3}}
5418 \newcommand*\SetBoolean}[2]{%
5419 \lowercase{\def\@tempa{#2}}%
5420 \@ifundefined{@tempswa\@tempa}%
5421   {\PackageError{biditools}%
5422    {You can only set a boolean to `true' or `false'}\@ehc}%
5423   {\@ifundefined{#1\@tempa}%
5424    {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5425    {\csname#1\@tempa\endcsname}}}
5426 \newcommand*\GlobalSetBoolean}[2]{%
5427 \lowercase{\def\@tempa{#2}}%
5428 \@ifundefined{@tempswa\@tempa}%
5429   {\PackageError{biditools}%
5430    {You can only set a boolean to `true' or `false'}\@ehc}%
5431   {\@ifundefined{#1\@tempa}%
5432    {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
5433    {\global\csname#1\@tempa\endcsname}}}
5434 \newcommand*\SetatBoolean}[2]{%
5435 \lowercase{\def\@tempa{#2}}%
5436 \@ifundefined{@tempswa\@tempa}%
5437   {\PackageError{biditools}%
5438    {You can only set a boolean to `true' or `false'}\@ehc}%
5439   {\@ifundefined{@#1\@tempa}%
5440    {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5441    {\csname @#1\@tempa\endcsname}}}
5442 \newcommand*\GlobalSetatBoolean}[2]{%
5443 \lowercase{\def\@tempa{#2}}%
5444 \@ifundefined{@tempswa\@tempa}%
5445   {\PackageError{biditools}%
5446    {You can only set a boolean to `true' or `false'}\@ehc}%
5447   {\@ifundefined{@#1\@tempa}%
5448    {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
5449    {\global\csname @#1\@tempa\endcsname}}}
5450 \def\@bidi@removefromreset#1#2{%
5451 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
5452 \def\@elt##1{%
5453   \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
5454   \else
5455     \noexpand\@elt{##1}%
5456   \fi}%
5457 \expandafter\xdef\csname c1@#2\endcsname{%
5458   \csname c1@#2\endcsname}}}
5459 \newcommand*\ifRtoL{%
5460 \ifRTL
5461   \expandafter\@firstoftwo
5462 \else
5463   \expandafter\@secondoftwo

```



```

5464 \fi}
5465 \newcommand*{\ifLtoR}{%
5466 \if@RTL
5467 \expandafter\@secondoftwo
5468 \else
5469 \expandafter\@firstoftwo
5470 \fi}
5471 \newcommand*{\ifRtoLtable}{%
5472 \if@RTLtab
5473 \expandafter\@firstoftwo
5474 \else
5475 \expandafter\@secondoftwo
5476 \fi}
5477 \newcommand*{\ifLtoRtable}{%
5478 \if@RTLtab
5479 \expandafter\@secondoftwo
5480 \else
5481 \expandafter\@firstoftwo
5482 \fi}
5483 \newcommand*{\ifRtoLhboxconstruct}{%
5484 \if@hboxRconstruct
5485 \expandafter\@firstoftwo
5486 \else
5487 \expandafter\@secondoftwo
5488 \fi}
5489 \newcommand*{\ifLtoRhboxconstruct}{%
5490 \if@hboxRconstruct
5491 \expandafter\@secondoftwo
5492 \else
5493 \expandafter\@firstoftwo
5494 \fi}
5495 \newcommand*{\iflatin}{%
5496 \if@nonlatin
5497 \expandafter\@secondoftwo
5498 \else
5499 \expandafter\@firstoftwo
5500 \fi}
5501 \newcommand*{\ifnonlatin}{%
5502 \if@nonlatin
5503 \expandafter\@firstoftwo
5504 \else
5505 \expandafter\@secondoftwo
5506 \fi}
5507
5508 \newcommand*{\bidi@convert@dimen@t@unit}[2]{%
5509 \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
5510
5511 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%
5512 \dimexpr #1*65536/\dimexpr 1pt\relax}
5513
5514 \newcommand*{\if@bidi@csdef}[1]{%
5515 \ifcsname#1\endcsname
5516 \expandafter\@firstoftwo
5517 \else

```



```

5518     \expandafter \@secondoftwo
5519   \fi}
5520 \newcommand*{\if@bidi@csundef}[1]{%
5521   \ifcsname#1\endcsname
5522     \expandafter\ifx\csname#1\endcsname\relax
5523       \expandafter\expandafter
5524       \expandafter \@firstoftwo
5525     \else
5526       \expandafter\expandafter
5527       \expandafter \@secondoftwo
5528   \fi
5529 \else
5530   \expandafter \@firstoftwo
5531 \fi}
5532 \newcommand{\if@bidi@def}[1]{%
5533   \ifdefined#1%
5534     \expandafter \@firstoftwo
5535   \else
5536     \expandafter \@secondoftwo
5537   \fi}
5538 \newcommand{\if@bidi@undef}[1]{%
5539   \ifdefined#1%
5540     \ifx#1\relax
5541       \expandafter\expandafter
5542       \expandafter \@firstoftwo
5543     \else
5544       \expandafter\expandafter
5545       \expandafter \@secondoftwo
5546   \fi
5547 \else
5548   \expandafter \@firstoftwo
5549 \fi}
5550 \newcommand{\if@bidi@blank}[1]{% from url.sty
5551   \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
5552 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
5553 \newcommand{\bidi@notblank}[1]{%
5554   \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
5555 \newcommand{\if@bidi@defmacro}{%
5556 \long\edef\if@bidi@defmacro#1{%
5557   \noexpand\expandafter\noexpand\bidi@ifdefmacro
5558   \noexpand\meaning#1\detokenize{macro}:&}
5559 \edef\bidi@ifdefmacro{%
5560   \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
5561 \bidi@ifdefmacro{\bidi@notblank{#2}}
5562 \newcommand*{\if@bidi@csmacro}[1]{%
5563   \if@bidi@csdef{#1}
5564     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
5565     {\@secondoftwo}}
5566 \newcommand{\if@bidi@defprimitive}[1]{%
5567   \ifprimitive#1%
5568     \expandafter \@firstoftwo
5569   \else
5570     \expandafter \@secondoftwo
5571   \fi}

```



```

5572 \newcommand{\if@bidi@csprimitive}[1]{%
5573 \begingroup\expandafter\expandafter\expandafter\endgroup%
5574 \expandafter\ifprimitive\csname#1\endcsname%
5575 \expandafter\@firstoftwo
5576 \else
5577 \expandafter\@secondoftwo
5578 \fi}
5579 \newcommand*{\bidi@csdefcs}[2]{%
5580 \expandafter\@ifdefinable \csname#1\endcsname{%
5581 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
5582 \newcommand*{\bidi@csletcs}[2]{%
5583 \expandafter\@ifdefinable \csname#1\endcsname{%
5584 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}
5585 \newcommand*{\bidi@cslet}[2]{%
5586 \expandafter\@ifdefinable \csname#1\endcsname{%
5587 \expandafter\let\csname#1\endcsname#2}}
5588 \newcommand{\bidi@namelongdef}[1]{%
5589 \long\expandafter\def\csname #1\endcsname}
5590 \newcommand{\bidi@namelonggdef}[1]{%
5591 \long\expandafter\gdef\csname #1\endcsname}
5592 \newcommand{\bidi@namelongedef}[1]{%
5593 \long\expandafter\edef\csname #1\endcsname}
5594 \newcommand{\bidi@namelongxdef}[1]{%
5595 \long\expandafter\xdef\csname #1\endcsname}
5596 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
5597 \def\bidi@ensure@new@command#1{%
5598 \begingroup \escapechar@mOne\xdef\@gtempa{\string#1}\endgroup
5599 \expandafter\if@bidi@csundef\@gtempa
5600 {\new@command#1}{\relax%
5601 \let\@ifdefinable\@rc@ifdefinable%
5602 \new@command#1}}
5603 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
5604
5605 \protected\def\bidi@error{\PackageError{bidi}}
5606 \protected\def\bidi@warning{\PackageWarning{bidi}}
5607 \protected\def\bidi@warningnoline{\PackageWarningNoLine{bidi}}
5608 \protected\def\bidi@info{\PackageInfo{bidi}}
5609
5610 \def\bidi@pos#1#2#3#4{\bidi@namegdef{bidi@#1pos@#2@#3}{#4}}
5611
5612 \newcount\bidi@poscount
5613
5614 \newcommand*{\WriteStartXPostoaux}{%
5615 \global\advance\bidi@poscount\@ne
5616 \edef\@tempa{%
5617 \write\auxout{%
5618 \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
5619 }}%
5620 }%
5621 \ifvmode
5622 \leavevmode
5623 \fi
5624 \if@RTL
5625 \if@filesw

```




```

5626   \@tempa
5627   \fi
5628   \pdfsavepos
5629   \else
5630   \pdfsavepos
5631   \if@filesw
5632   \@tempa
5633   \fi
5634   \fi
5635   \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{%
5636       \PackageWarningNoLine{biditools}{%
5637           The start x position `\

```



```

5680   \@tempa
5681   \fi
5682   \pdfsavepos
5683   \else
5684   \pdfsavepos
5685   \if@filesw
5686   \@tempa
5687   \fi
5688   \fi
5689   \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{%
5690       \PackageWarningNoLine{biditools}{%
5691           The start y position `\

```



```

5734   \fi
5735 \if@RTL
5736   \if@filesw
5737     \@tempa
5738   \fi
5739 \pdfsavepos
5740   \else
5741 \pdfsavepos
5742 \if@filesw
5743   \@tempa
5744 \fi
5745 \fi
5746 \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{%
5747   \PackageWarningNoLine{biditools}{%
5748     The start x position `\

```



```

5788         The end y position '\number\bidi@poscount' is not known yet.
5789         Rerun to get this y position%
5790     }%
5791 }-{}%
5792 }
5793
5794 \newcommand*{\currentposxwidth}{%
5795   \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{\z@}
5796   {%
5797     \ifnum\csname bidi@xpos@@start@\number\bidi@poscount
5798     \endcsname < \csname bidi@xpos@@end@\number\bidi@poscount
5799     \endcsname
5800     \dimexpr \csname bidi@xpos@@end@\number\bidi@poscount
5801     \endcsname sp - \csname bidi@xpos@@start@\number\bidi@poscount
5802     \endcsname sp\relax
5803   \else
5804     \dimexpr \csname bidi@xpos@@start@\number\bidi@poscount
5805     \endcsname sp - \csname bidi@xpos@@end@\number\bidi@poscount
5806     \endcsname sp\relax
5807   \fi
5808   }%
5809 }
5810
5811 \newcommand*{\currentposyheight}{%
5812   \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{\z@}
5813   {%
5814     \dimexpr \csname bidi@ypos@@start@\number\bidi@poscount
5815     \endcsname sp - \csname bidi@ypos@@end@\number\bidi@poscount
5816     \endcsname sp\relax
5817   }%
5818 }
5819
5820
5821
5822 \newcommand*{\setbaselineskip}[1]{%
5823   \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
5824   \selectfont
5825 }
5826
5827
5828 \newcommand*{\bidi@newrobustcmd}{}
5829 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
5830
5831 \def\bidi@new@command#1{\@testopt{\bidi@new@command#1}0}
5832
5833 \def\bidi@new@command#1[#2]{%
5834   \@ifnextchar[%]
5835   {\bidi@xargdef#1[#2]}
5836   {\ifx\l@ngrel@x\relax
5837     \let\l@ngrel@x\protected
5838   \else
5839     \protected\def\l@ngrel@x{\protected\long}%
5840   \fi
5841   \@argdef#1[#2]}}

```



```

5842
5843 \long\def\ bidi@xargdef#1[#2][#3]#4{%
5844   \@ifdefinable#1{%
5845     \expandafter\protected
5846     \expandafter\def
5847     \expandafter#1%
5848     \expandafter{%
5849       \expandafter\@testopt
5850       \csname\string#1\endcsname{#3}}%
5851     \expandafter\@yargdef\csname\string#1\endcsname\tw#{2}{#4}}
5852
5853 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
5854
5855 \def\bidi@renew@command#1{%
5856   \if@bidi@undef{#1}
5857     {\bidi@error{\string#1 undefined}\@ehc}
5858     {}%
5859   \let\@ifdefinable\@rc@ifdefinable
5860   \bidi@new@command#1}
5861
5862
5863
5864 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
5865
5866 \def\bidi@provide@command#1{%
5867   \if@bidi@undef{#1}
5868     {\def\reserved@a{\bidi@new@command#1}}
5869     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
5870   \reserved@a}
5871
5872 \newcommand*{\bidi@csuse}[1]{%
5873   \ifcsname#1\endcsname
5874     \csname#1\expandafter\endcsname
5875   \fi}
5876
5877 \newcommand{\bidi@expandonce}[1]{%
5878   \unexpanded\expandafter{#1}}
5879
5880 \def\bidi@protected{%
5881   \let\@@protect\protect
5882   \let\protect\@unexpandable@protect
5883   \afterassignment\restore@protect}
5884
5885 \bidi@newrobustcmd{\bidi@appto}[2]{%
5886   \if@bidi@undef{#1}
5887     {\edef#1{\unexpanded{#2}}}
5888     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}
5889 \bidi@newrobustcmd{\bidi@eappto}[2]{%
5890   \if@bidi@undef{#1}
5891     {\edef#1{#2}}
5892     {\edef#1{\bidi@expandonce#1#2}}}
5893 \bidi@newrobustcmd{\bidi@gappto}[2]{%
5894   \if@bidi@undef{#1}
5895     {\xdef#1{\unexpanded{#2}}}

```



```

5896     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
5897 \bidi@newrobustcmd{\bidi@xappto}[2]{%
5898   \if@bidi@undef{#1}
5899     {\xdef#1{#2}}
5900     {\xdef#1{\bidi@expandonce#1#2}}}
5901
5902 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
5903 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
5904
5905
5906
5907 \bidi@newrobustcmd{\bidi@preto}[2]{%
5908   \if@bidi@undef{#1}
5909     {\edef#1{\unexpanded{#2}}}
5910     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
5911 \bidi@newrobustcmd{\bidi@epreto}[2]{%
5912   \if@bidi@undef{#1}
5913     {\edef#1{#2}}
5914     {\edef#1{#2\bidi@expandonce#1}}}
5915 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
5916   \if@bidi@undef{#1}
5917     {\xdef#1{\unexpanded{#2}}}
5918     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
5919 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
5920   \if@bidi@undef{#1}
5921     {\xdef#1{#2}}
5922     {\xdef#1{#2\bidi@expandonce#1}}}
5923
5924 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
5925 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
5926
5927
5928
5929 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
5930 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
5931 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
5932 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
5933 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
5934 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
5935
5936
5937
5938 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
5939 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
5940 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
5941 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
5942 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
5943 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
5944
5945
5946
5947 \bidi@newrobustcmd{\if@bidi@patchable}{%
5948   \bidi@dbg@trce\if@bidi@patchable
5949   \begingroup

```



```

5950 \@makeother\#%
5951 \@ifstar\bid@ifpatchable@i\bid@ifpatchable}
5952
5953 \long\def\bid@ifpatchable#1#2{%
5954 \endgroup
5955 \bid@dbg@init#1%
5956 \if@bid@undef{#1}
5957   {\bid@dbg@fail{def}\@secondoftwo}
5958   {\bid@dbg@info{def}%
5959   \if@bid@defmacro{#1}
5960     {\bid@dbg@info{mac}%
5961     \bid@ifscanable{#1}
5962     {\bid@ifhashcheck{#2}
5963       {\bid@dbg@info{tok}%
5964         \bid@ifpattern#1{#2}
5965         {\bid@dbg@info{pat}%
5966           \bid@dbg@info{pos}\@firstoftwo}
5967           {\bid@dbg@fail{pat}\@secondoftwo}}
5968         {\bid@dbg@fail{hsh}\@secondoftwo}}
5969         {\bid@dbg@fail{tok}\@secondoftwo}}
5970         {\bid@dbg@fail{mac}\@secondoftwo}}}
5971
5972 \long\def\bid@ifpatchable@i#1{%
5973 \endgroup
5974 \bid@dbg@init#1%
5975 \if@bid@undef{#1}
5976   {\bid@dbg@fail{def}\@secondoftwo}
5977   {\bid@dbg@info{def}%
5978   \if@bid@defmacro{#1}
5979     {\bid@dbg@info{mac}%
5980     \if@bid@defparam{#1}
5981       {\bid@dbg@info{prm}%
5982       \bid@ifscanable{#1}
5983       {\bid@dbg@info{tok}%
5984         \bid@dbg@info{pos}\@firstoftwo}
5985         {\bid@dbg@fail{tok}\@secondoftwo}}
5986       {\bid@dbg@info{prl}%
5987       \if@bid@defprotected{#1}
5988         {\bid@dbg@info{pro}}
5989         {}%
5990       \bid@dbg@info{pos}\@firstoftwo}}
5991       {\bid@dbg@fail{mac}\@secondoftwo}}}
5992
5993 \bid@newrobustcmd*{\bid@patchcmd}{%
5994 \bid@dbg@trce\bid@patchcmd
5995 \begingroup
5996 \@makeother\#%
5997 \bid@@patchcmd}
5998
5999 \newcommand{\bid@@patchcmd}[4][#####1]{%
6000 \bid@ifpatchable#2{#3}
6001   {\bid@dbg@succ{ret}%
6002   \begingroup
6003   \edef\bid@resrvda{%

```



```

6004     \def\noexpand\bidiresrvda####1\detokenize{macro:}####2->####3&{%
6005         #1\def\string\bidiresrvda\space####2{\noexpand\bidiresrvdb####3&}}%
6006     \def\noexpand\bidiresrvdb####1\detokenize{#3}####2&{%
6007         ####1\detokenize{#4}####2}%
6008     \edef\noexpand\bidiresrvda{%
6009         \noexpand\bidiresrvda\meaning#2&}}%
6010     \bidiresrvda
6011     \bidipatchcmd@scantoks\bidiresrvda
6012     \let#2\bidiresrvda
6013     \bidiumdef\bidiresrvda
6014     \@firstoftwo}
6015     {\@secondoftwo}}
6016
6017 \def\bidipatchcmd@scantoks#1{%
6018     \edef\bidiresrvda{\endgroup
6019         \unexpanded{\makeatletter\scantokens}{#1}%
6020         \catcode\number`\@=\the\catcode`\@}\relax}%
6021     \bidiresrvda}
6022
6023 \newcommand\bidisloaded[2][{}]{
6024     \expandafter\ifx\csname if@bidic#2loaded\endcsname\relax
6025         \expandafter\newif\csname if@bidic#2loaded\endcsname
6026         \fi
6027     \@ifpackageloaded{#2}
6028         {\csname @bidic#2loaded>true\endcsname #1}
6029         {\csname @bidic#2loaded>false\endcsname}}
6030
6031 \protected\def\bidifscanable#1{%
6032     \begingroup
6033     \edef\bidiresrvda{%
6034         \def\noexpand\bidiresrvda####1\detokenize{macro:}####2->####3&{%
6035             ####1\def\string\bidiresrvda####2{####3}}%
6036         \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda\meaning#1&}}%
6037     \bidiresrvda
6038     \makeatletter
6039     \scantokens\expandafter{\bidiresrvda}%
6040     \expandafter\endgroup\ifx#1\bidiresrvda
6041         \expandafter\@firstoftwo
6042     \else
6043         \expandafter\@secondoftwo
6044     \fi}
6045
6046
6047 \protected\long\def\bidifhashcheck#1{%
6048     \begingroup
6049     \edef\bidiresrvda{\detokenize{#1}}%
6050     \expandafter\endgroup
6051     \expandafter\bidifhashcheck@i\meaning\bidiresrvda&}
6052
6053 \edef\bidifhashcheck@i#1&{%
6054     \noexpand\expandafter
6055     \noexpand\bidifhashcheck@ii
6056     \noexpand\strip@prefix#1\string#\string#&}
6057

```




```

6058 \edef\bid@ifhashcheck@ii{%
6059 \def\noexpand\bid@ifhashcheck@ii##1\string#\string###2&}
6060 \bid@ifhashcheck@ii{\if@bidi@blank{#2}}
6061
6062
6063 \protected\long\def\bid@ifpattern#1#2{%
6064 \begingroup
6065 \edef\bid@resrvda{%
6066 \def\noexpand\bid@resrvda###1\detokenize{#2}###2&{%
6067 \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{###2}}}%
6068 \edef\noexpand\bid@resrvda{\noexpand\bid@resrvda
6069 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
6070 \noexpand\bid@resrvda}
6071 \bid@resrvda\@secondoftwo\@firstoftwo}
6072
6073
6074 \newcommand{\if@bidi@defparam}{}
6075 \long\edef\if@bidi@defparam#1{%
6076 \noexpand\expandafter\noexpand\bid@ifdefparam
6077 \noexpand\meaning#1\detokenize{macro}:->&}
6078 \edef\bid@ifdefparam{%
6079 \def\noexpand\bid@ifdefparam##1\detokenize{macro}:##2->##3&}
6080 \bid@ifdefparam{\bid@notblank{#2}}
6081
6082
6083 \newcommand{\if@bidi@defprotected}{}
6084 \long\edef\if@bidi@defprotected#1{%
6085 \noexpand\expandafter\noexpand\bid@ifdefprotected
6086 \noexpand\meaning#1\string\protected&}
6087 \edef\bid@ifdefprotected{%
6088 \def\noexpand\bid@ifdefprotected##1\string\protected##2&}
6089 \bid@ifdefprotected{\bid@notblank{#2}}
6090
6091
6092 \bid@newrobustcmd{\bid@undef}[1]{\let#1\bid@undefined}
6093 \bid@newrobustcmd{\bid@csundef}[1]{%
6094 \expandafter\let\csname #1\endcsname\bid@undefined
6095 }
6096
6097 \let\bid@dbg@trce\@gobble
6098 \let\bid@dbg@init\@gobble
6099 \let\bid@dbg@info\@gobble
6100 \let\bid@dbg@succ\@gobble
6101 \let\bid@dbg@fail\@gobble
6102
6103
6104
6105 \bid@newrobustcmd*{\bid@apptocmd}{%
6106 \bid@dbg@trce\bid@apptocmd
6107 \begingroup
6108 \@makeother\#%
6109 \bid@hooktocmd\bid@append}
6110
6111

```



```

6112
6113 \bidi@newrobustcmd*{\bidi@pretocmd}{%
6114   \bidi@dbg@trce\bidi@pretocmd
6115   \beginingroup
6116   \@makeoother\#%
6117   \bidi@hooktocmd\bidi@prepend}
6118
6119 \long\def\bidi@hooktocmd#1#2#3{%
6120   \endgroup
6121   \bidi@dbg@init#2%
6122   \if@bidi@undef{#2}
6123     {\bidi@dbg@fail{def}\@secondoftwo}
6124     {\bidi@dbg@info{def}%
6125       \if@bidi@defmacro{#2}
6126         {\bidi@dbg@info{mac}%
6127           \if@bidi@defparam{#2}
6128             {\bidi@dbg@info{prm}%
6129               \bidi@ifscanable{#2}
6130                 {\bidi@ifhashcheck{#3}
6131                   {\bidi@dbg@info{tok}%
6132                     \bidi@dbg@succ{ret}%
6133                     \bidi@hooktocmd@i#1#2{#3}%
6134                     \@firstoftwo}
6135                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
6136                 {\bidi@dbg@fail{tok}\@secondoftwo}}
6137             {\bidi@dbg@info{prl}%
6138               \if@bidi@defprotected{#2}
6139                 {\bidi@dbg@info{pro}%
6140                   \bidi@dbg@succ{red}%
6141                   \protected}
6142                 {\bidi@dbg@succ{red}}}%
6143             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
6144             \@firstoftwo}}
6145     {\bidi@dbg@fail{mac}\@secondoftwo}}
6146
6147 \long\def\bidi@hooktocmd@i#1#2#3{%
6148   \beginingroup
6149   \edef\bidi@resrvda{%
6150     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
6151       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}%
6152     \edef\noexpand\bidi@resrvda{%
6153       \noexpand\bidi@resrvda\meaning#2&}}%
6154   \bidi@resrvda
6155   \bidi@patchcmd@scantoks\bidi@resrvda
6156   \let#2\bidi@resrvda
6157   \bidi@undef\bidi@resrvda}
6158
6159 \long\def\bidi@append#1#2{#1#2}
6160 \long\def\bidi@prepend#1#2{#2#1}
6161
6162 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
6163 %\newcommand*{\bidi@endpreamblehook}{}
6164
6165 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%

```



```

6166
6167 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipout}
6168 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
6169
6170 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
6171 \newcommand*{\bidi@beforeheaderhook}{}
6172
6173 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutputpage}
6174 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
6175
6176 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpage}
6177 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
6178
6179 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
6180 \newcommand*{\bidi@beforefooterhook}{}
6181
6182 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
6183 \newcommand*{\bidi@afterfooterhook}{}
6184
6185
6186 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}
6187 \newcommand*{\bidi@afteroutputpageshipouthook}{}
6188
6189 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
6190 \newcommand*{\bidi@atendoutputpagehook}{}
6191
6192 %\bidi@preto\document{%
6193 % \endgroup
6194 % \let\bidi@AtEndPreamble\@firstofone
6195 % \bidi@endpreamblehook
6196 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
6197 % \bidi@undef\bidi@endpreamblehook
6198 % \beginingroup}
6199
6200 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
6201 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
6202
6203 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
6204 %\newcommand*{\bidi@afterendpreamblehook}{}
6205
6206 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}%
6207
6208 %\bidi@appto\document{%
6209 % \let\bidi@AfterEndPreamble\@firstofone
6210 % \bidi@afterendpreamblehook
6211 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
6212 % \bidi@undef\bidi@afterendpreamblehook
6213 % \ignorespaces}
6214
6215 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocumentchecklabelsrerun}
6216 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{}
6217
6218 \bidi@patchcmd\enddocument
6219 {\fi}

```



```

6220 {\let\bid@AfterEndDocumentCheckLabelsRerun\@firstofone
6221 \bid@afterenddocumentchecklabelsrerunhook
6222 \fi}
6223 {}
6224 {\PackageWarning{biditools}{Patching '\string\enddocument' failed}}
6225
6226 \AtEndDocument{\let\bid@AfterEndPreamble\@gobble}
6227
6228 \bid@newrobustcmd*{\bid@AfterLastShipout}{\bid@gappto\bid@afterlastshipouthook}
6229 \newcommand*{\bid@afterlastshipouthook}{}
6230
6231 \bid@patchcmd\enddocument
6232 {\clearpage}
6233 {\clearpage
6234 \let\bid@AfterLastShipout\@firstofone
6235 \bid@afterlastshipouthook}
6236 {}
6237 {\let\bid@clearpage\clearpage
6238 \def\clearpage{%
6239 \bid@clearpage
6240 \let\bid@AfterLastShipout\@firstofone
6241 \bid@afterlastshipouthook}}
6242
6243 %\bid@newrobustcmd*{\bid@AfterEndDocument}{\bid@gappto\bid@afterenddocumenthook}
6244 %\newcommand*{\bid@afterenddocumenthook}{}
6245
6246 \bid@newrobustcmd*{\bid@AfterEndDocument}{\AddToHook{enddocument/end}}%
6247
6248 %\bid@patchcmd\enddocument
6249 % {\deadcycles}
6250 % {\let\bid@AfterEndDocument\@firstofone
6251 % \bid@afterenddocumenthook
6252 % \deadcycles}
6253 % {}
6254 % {\let\bid@@end\@end
6255 % \def\@end{%
6256 % \let\bid@AfterEndDocument\@firstofone
6257 % \bid@afterenddocumenthook
6258 % \bid@@end}}
6259
6260 \bid@newrobustcmd{\bid@AtBeginEnvironment}[1]{%
6261 \bid@csgappto{\bid@begin@#1@hook}}
6262
6263 % Patch \begin<space> and \end<space> in newer LaTeX releases
6264 % \begin and \end in older ones.
6265 \expandafter\bid@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6266 {\csname #1\endcsname}
6267 {\bid@csuse{\bid@begin@#1@hook}%
6268 \csname #1\endcsname}
6269 {}
6270 {\bid@warning{%
6271 Patching '\string\begin' failed!\MessageBreak
6272 '\string\bid@AtBeginEnvironment' will not work\@gobble}}
6273

```



```

6274
6275
6276 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
6277   \bidi@csgappto{@bidi@end@#1@hook}}
6278
6279 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6280   {\csname end#1\endcsname}
6281   {\bidi@csuse{@bidi@end@#1@hook}%
6282     \csname end#1\endcsname}
6283   {}
6284   {\bidi@warning{%
6285     Patching '\string\end' failed!\MessageBreak
6286     '\string\bidi@AtEndEnvironment' will not work@gobble}}
6287
6288
6289
6290 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
6291   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
6292
6293 \expandafter\bidi@preto\cmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
6294   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
6295   {}
6296   {\bidi@warning{%
6297     Patching '\string\begin' failed!\MessageBreak
6298     '\string\bidi@BeforeBeginEnvironment' will not work@gobble}}
6299
6300 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
6301   \bidi@csgappto{@bidi@afterend@#1@hook}}
6302
6303 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
6304   {\if@ignore}
6305   {\bidi@csuse{@bidi@afterend@#1@hook}%
6306     \if@ignore}
6307   {}
6308   {\bidi@warning{%
6309     Patching '\string\end' failed!\MessageBreak
6310     '\string\bidi@AfterEndEnvironment' will not work@gobble}}
6311
6312 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
6313 \def\bidi@namegdef#1{\expandafter\gdef\csname #1\endcsname}
6314 \def\bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
6315 \def\bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
6316
6317 % From David Carlisle:
6318 % The \@stpelt redefinition below belongs to Heiko Oberdiek
6319 % See also https://github.com/ho-tex/oberdiek/issues/26
6320
6321 \let\bidi@stepcounter\stepcounter
6322 \let\bidi@@stpelt\@stpelt
6323
6324 \def\@stpelt#1{%
6325   \ifcsname bidi@reset@#1@perpage\endcsname
6326     \begingroup
6327     \let\stepcounter\bidi@stepcounter

```



```

6328     \@bidi@stpelt{#1}%
6329     \endgroup
6330     \expandafter@gobbletwo
6331     \fi
6332     \@bidi@stpelt{#1}%
6333 }
6334
6335 \bidi@pretocmd\stepcounter
6336 {%
6337     \if@bidi@csundef{bidi@stepcounterhook@@#1}{}{%
6338         \csname bidi@stepcounterhook@@#1\endcsname
6339     }%
6340 }{}%
6341 {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
6342
6343 \chardef\bidi@backslash`\\
6344 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
6345
6346 % anonymous control sequences
6347 \newcount\bidi@tempcountb
6348 \newtoks\bidi@temptoksa
6349 \newtoks\bidi@temptoksb
6350
6351 % Catcode (re)storing
6352 %
6353 \def\bidi@storecatcode#1%
6354     {\escapechar@m@ne
6355     \bidi@csarg\edef{bidi@restorecatcode\string#1}%
6356         {\catcode`\string#1=
6357             \the\catcode\expandafter`\string#1}%
6358     \catcode\expandafter`\string#1=12\relax
6359     \escapechar`\\ \relax}
6360 \def\bidi@restorecatcode#1%
6361     {\escapechar@m@ne
6362     \csname bidi@restorecatcode\string#1\endcsname
6363     \escapechar`\\ \relax}
6364
6365 % Construct a control sequence inside \edef
6366 %
6367 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
6368
6369 % Construct a control sequence out of #2, and give it to #1
6370 %
6371 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
6372
6373 % Pick an escapecharacter
6374 % this presumes that its argument is a character.
6375 %
6376 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
6377
6378 % Equality of strings.
6379 % the fast approach: does not work in expansion-only environment.
6380 %
6381 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%

```



```

6382 \ifx\bidieqs@a\bidieqs@b}
6383
6384 % Test by expansion only
6385 %
6386 \def\bidiequalstringX#1#2{00\fi
6387 \csname if\@bidiequalstringX#1&#2&$\endcsname}
6388 \def\@bidiequalstringX#1#2$#3#4${\ifx#1#3%
6389 \ifx#1&true\else\bidiehop@ES\@bidiequalstringX#2$#4$\fi
6390 \else false\fi}
6391 \def\bidiehop@ES#1\fi#2\fi{\fi\fi#1}
6392
6393 % Lexicographic ordering
6394 % note the use of \def
6395 % also note the characters 0,127,255 that are used,
6396 % these are not supposed to appear in the strings
6397 %
6398 {\catcode0=12 \catcode255=12 \catcode127=12
6399 \gdef\bidiestringbeforeNC#1#2{00\fi
6400 \bidiecharsbefore#1^^@^^?#2^^ff^^?}
6401 \gdef\bidiecharsbeforeNC#1#2^^?#3#4^^?{%
6402 \ifcat#1\relax\def\bidie@next{\bidiecharsbefore#2^^@^^?#3#4^^ff^^?}%
6403 \else\ifcat#3\relax\def\bidie@next{\bidiecharsbefore#1#2^^@^^?#4^^ff^^?}%
6404 \else\ifnum\lccode`#1<\lccode`#3
6405 \def\bidie@next{\csname iftrue\endcsname}%
6406 \else\ifnum\lccode`#1>\lccode`#3
6407 \def\bidie@next{\csname iffalse\endcsname}%
6408 \else\def\bidie@next{\bidiecharsbefore#2^^?#4^^?}%
6409 \fi \fi \fi \fi
6410 \bidie@next}
6411 \gdef\bidiestringbefore#1#2{00\fi
6412 \bidiecharsbefore#1^^@^^?#2^^ff^^?}
6413 \gdef\bidiecharsbefore#1#2^^?#3#4^^?{%
6414 \ifnum`#1<`#3
6415 \def\bidie@next{\csname iftrue\endcsname}%
6416 \else\ifnum`#1>`#3
6417 \def\bidie@next{\csname iffalse\endcsname}%
6418 \else\def\bidie@next{\bidiecharsbefore#2^^?#4^^?}%
6419 \fi\fi
6420 \bidie@next}
6421 }
6422
6423 % Null argument test
6424 %
6425 \def\bidieempty{}
6426 \def\bidieifempty#1{00\fi\expandafter\ifx\csname bidie@#1@null\endcsname\bidie@null}
6427 \def\bidieifemptyX#1{\expandafter\ifx\csname bidie@#1@null\endcsname\bidie@null}
6428 %\def\bidieifempty#1{\def\bidie@cs@a{#1}\ifx\bidie@cs@a\bidieempty}
6429 \def\bidieisemptylist#1{00\fi\def\bidie@cs@a{#1}\ifx\cs@a\bidieempty}
6430
6431 % Next character test
6432 %
6433 \def\bidie@nextchar#1#2#3{00\fi
6434 \let\bidie@nxt@ch#1\def\bidie@nxt@a{#2}\def\bidie@nxt@b{#3}%
6435 \futurelet\bidie@nxt@c\@bidie@fnxtc}

```



```

6436 \def\ bidi@ifNextChar#1#2#3{%
6437   \let\ bidi@nxt@ch#1\def\ bidi@nxt@a{#2}\def\ bidi@nxt@b{#3}%
6438   \futurelet\ bidi@nxt@c@\ bidi@ifnxtc}
6439 \def\@bidi@ifnxtc{\ifx\ bidi@nxt@ch\ bidi@nxt@c \expandafter\ bidi@nxt@a
6440   \else \expandafter\ bidi@nxt@b \fi}
6441
6442 % Test for defined-ness of string as control sequence.
6443 % works inside \edef
6444 %
6445 \def\ bidi@undefinedcs#1{00\fi\ bidi@csarg\ifx{#1}\relax}
6446
6447 % Define uniquely defined dummy macros,
6448 % usually to serve as bumper blocks at the end of a list
6449 %
6450 \newcount\ bidi@dummies
6451 \def\ DefNewDummy#1{
6452   \if\ bidi@undefinedcs{#1}\ bidi@csarg\edef{#1}{\ bidi@dum\the\ bidi@dummies}
6453   \advance\ bidi@dummies\@ne
6454   \else
6455     \ bidi@error{Attempt at second definition of `#1'}
6456   \fi}
6457
6458 % string case statement
6459 % use: \ bidi@switch \iftest{...} in:
6460 %   item1 action1
6461 %   ...
6462 %   itemn actionn
6463 %   default defaultaction [optional]
6464 %   \endbidi@switch
6465 % inspired by Jonathan Fine: Some Basic Control Macros
6466 % Tugboat 12 #4
6467 %
6468 \let\@bidi@fi\fi \let\endbidi@switch\relax \DefNewDummy{\ bidi@default}
6469 \def\ bidi@switch@exit #1 \@bidi@fi #2 \endbidi@switch {\fi #1}
6470 \def\ bidi@switch #1#2#3{\ bidi@csarg\ifx{#2}\ bidi@default\ bidi@switch@exit #3 \@bidi@fi
6471   #1{#2}\ bidi@switch@exit #3 \@bidi@fi
6472   \ bidi@switch {#1}
6473 }
6474 % this version puts the test object in {}
6475 \def\ bidi@oswitch #1 in: #2 #3; {\ bidi@csarg\ifx{#2}\ bidi@default\ bidi@switch@exit #3 \@bidi@fi
6476   #1{#2}\ bidi@switch@exit #3 \@bidi@fi
6477   \ bidi@switch #1 in:
6478 }
6479 % this version assumes that the test object is just one character
6480 \def\ bidi@cswitch #1 in: #2 #3; {\ bidi@csarg\ifx{#2}\ bidi@default\ bidi@switch@exit #3 \@bidi@fi
6481   #1#2\ bidi@switch@exit #3 \@bidi@fi
6482   \ bidi@cswitch #1 in:
6483 }
6484 % this version assumes that the test object can have an optional space
6485 \def\ bidi@bswitch #1 in: #2 #3; {\ bidi@csarg\ifx{#2}\ bidi@default\ bidi@switch@exit #3 \@bidi@fi
6486   #1#2 \ bidi@switch@exit #3 \@bidi@fi
6487   \ bidi@bswitch #1 in:
6488 }
6489 % this version can cope with significant spaces at the start of #3;

```




```

6490 % #2 is macro argument
6491 \def\bidimswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi
6492 #1{#2}\bidi@switch@exit #3 \@bidi@fi
6493 \bidimswitch #1 in:
6494 }
6495 % idem; #2 does not have to be enclosed in braces
6496 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi
6497 #1#2 \bidi@switch@exit #3 \@bidi@fi
6498 \bidi@fswitch #1 in:
6499 }
6500
6501 % Routines for taking the value of a string:
6502 % if the string is defined as control sequence
6503 % take the value of that, otherwise take the string itself
6504
6505 % String or value of control sequence
6506 %
6507 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
6508
6509 % String or control sequence
6510 %
6511 \def\@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
6512
6513 % String or \noexpand-ed control sequence;
6514 % for use in \edef
6515 %
6516 \newif\ifbidi@in@label
6517 \def\@bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
6518 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
6519 \newtoks\bidi@are@these@correct
6520 \def\bidi@t@w@w#1{%
6521 \if\bidi@undefinedcs{#1}#1%
6522 \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 } \fi
6523 \else
6524 \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
6525
6526 % List Manipulation .....
6527 % this assumes that #1 is a list of tokens, #2 is the name of a list
6528 %
6529 % Names of lists (and of items to pop into) are given as strings;
6530 % not as control sequences.
6531 %
6532 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
6533 % basic append/prepend macro
6534 \long\def\@bidi@append@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
6535 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@listb}
6536 \long\def\@bidi@prepend@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
6537 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@listb}
6538 \def\bidi@append@to@list{\bidi@csarg\@bidi@append@to@cslist}
6539 \def\@bidi@prepend@to@list{\bidi@csarg\@bidi@prepend@to@cslist}
6540 % variations:
6541 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
6542 \long\def\bidi@prepend@to@list#1#2{\@bidi@prepend@to@list{#1}{#2}}
6543 \def\bidi@append@list@to@list#1#2{%

```



```

6544 \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\
6545 \def\bidi@prepend@list@to@list#1#2{%
6546 \@bidi@prepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\
6547 \def\bidi@append@cslst@to@cslst#1#2{%
6548 \@bidi@append@to@cslst{#1}\expandafter{\the#2}}
6549 \def\bidi@prepend@cslst@to@cslst#1#2{%
6550 \@bidi@prepend@to@cslst{#1}\expandafter{\the#2}}
6551 \def\bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
6552 \def\bidi@prepend@toks@cs@to@list#1#2{\@bidi@prepend@to@list{#1}\expandafter{\the#2}}
6553
6554 \let\bidi@willbeunhskip\unhskip
6555
6556 % A few list macros for the user
6557 \def\NewTokenList:#1 {\@bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
6558 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
6559 \long\def\AppendToTokenList:#1=#2 {\@bidi@append@to@list{#1}{-}{#2}}
6560 \long\def\PrependToTokenList:#1=#2 {\@bidi@prepend@to@list{#1}{-}{#2}}
6561 \def\TheTokenList:#1 {\let\bidi@oldwbuskip\bidi@willbeunhskip \let\bidi@willbeunhskip\empty
6562 \if\bidi@undefinedcs{#1}\bidi@error{Token List <#1> undefined}
6563 \else\bidi@csarg\the{#1}\fi
6564 \let\bidi@willbeunhskip\bidi@oldwbuskip}
6565
6566 \def\bidi@del@tok@from@list#1#2{\begingroup
6567 \long\def\bidi@cs@liste##1#2##2\bidi@tok@SM
6568 {\bidi@toks@lista{##1}\bidi@toks@listb{##2}}%
6569 \edef\bidi@cs@listb{\global\bidi@csname{#1}=
6570 {\the\bidi@toks@lista\the\bidi@toks@listb}}%
6571 \bidi@cs@listb}%
6572 \edef\bidi@cs@lista{\noexpand\bidi@cs@liste{ }\expandafter\the\csname#1\endcsname\noexpand
6573 \bidi@cs@listb \endgroup}
6574 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}}%
6575 \bidi@in@front@of@cslst\bidi@cs@lista}
6576 \long\def\bidi@in@front@of@cslst#1#2{\begingroup\bidi@toks@lista={#2}}%
6577 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@list
6578 \endgroup}
6579 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}}%
6580 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
6581 {\expandafter\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
6582 \expandafter\the\csname#1\endcsname}%
6583 }
6584 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}}%
6585 \bidi@set@cslst\bidi@cs@lista}
6586 \long\def\bidi@set@cslst#1#2{\begingroup\bidi@toks@lista={#2}}%
6587 \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
6588
6589 %%%%%%%%%%%%%%% Stack macros
6590 %
6591 % push in terms of prepending of lists
6592 \def\bidi@push@cs@onto@cs#1#2{\@bidi@prepend@to@cslst#1\expandafter{\expandafter\expandafter
6593 \def\bidi@push@onto#1{\bidi@csarg\bidi@push@onto@cs{#1}}
6594 \def\bidi@push@onto@cs#1#2{\@bidi@prepend@to@cslst#1}{\{#2}}
6595 \def\bidi@local@push@onto#1#2{\let\=\relax
6596 \bidi@local@in@front@of@list{#1}{\{#2}}
6597 % pop via auxiliary macro: #1 is result, #2 is stack

```



```

6598 % two cs arguments
6599 \def\bidipop@cs@into#1#2{\edef\bidics@e
6600   {\noexpand\@bidipopinto\noexpand#1\noexpand#2\the#2\noexpand\@bidipop}\bidics@e}
6601 % two string arguments
6602 \def\bidipop@into#1#2{\edef\bidics@e
6603   {\noexpand\@bidipopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@bidipop}
6604 \long\def\@bidipopinto#1#2\#3#4\@bidipop{#1{#3}#2{#4}}
6605 \def\bidicopy@stacktop#1#2{%
6606   \edef\bidics@e{\noexpand\@bidicopy@stacktop
6607     {#1}\bidicsarg\the{#2}\noexpand\@bidipop}%
6608   \bidics@e}
6609 \def\@bidicopy@stacktop#1\#2#3\@bidipop{\csname#1\endcsname#2\relax}
6610 \newcount\bidistack@length \newtoks\bidie@empty@stack \bidie@empty@stack{\{\}}
6611 \def\bidilength@of@stack#1{\bidicsarg\bidilength@of@csstack{#1}}
6612 \def\bidilength@of@csstack#1{\def\##1{\advance\bidistack@length\@ne}%
6613   \bidistack@length\@ne \the#1}
6614 % turn a stack upside down
6615 \def\bidinvert@csstack#1{\bidilength@of@csstack{#1}%
6616   \biditempcountb\z@ \biditemptoksa\bidie@empty@stack
6617   \loop\ifnum\biditempcountb<\bidistack@length
6618     \bidipop@cs@into\biditemptoksb#1\advance\bidistack@length\@ne
6619     \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
6620 %   \bidicopy@cs@list@to@list\biditemptoksb\biditemptoksa% append a to b
6621 %   \biditemptoksa\biditemptoksb
6622   \repeat% copy b to a
6623   #1\biditemptoksa \biditemptoksa\bidie@empty@toks}
6624 % invert a stack into a list
6625 \def\bidix@stack@to@list#1{\bidilength@of@stack{#1}%
6626   \biditempcountb\z@ \biditemptoksa\bidie@empty@toks
6627   \loop\ifnum\biditempcountb<\bidistack@length
6628     \bidipop@into{\biditemptoksb}{#1}\advance\bidistack@length\@ne
6629     \bidicopy@list@to@list{\biditemptoksb}{\biditemptoksa}\repeat
6630   \csname#1\endcsname\biditemptoksa \biditemptoksa\bidie@empty@toks}
6631
6632
6633 % General loop macro:
6634 % \looprepeat
6635 %   \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
6636 %   \untilcondition{<cond>} \whilecondition{<cond>}
6637 %   \doloopbody { <loop body> }
6638 % where all control sequences in between \looprepeat and \doloopbody are optional.
6639 %
6640 % var: characters to form a control sequence;
6641 %   after \forvariable{index} you can access the loop counter as \index.
6642 %   This is a count register; to print it use \number\index.
6643 % start,step,end: integers with obvious relations to the loop counter;
6644 %   start and step have a default value of 1
6645 % cond: (sequence of commands ending in) any TeX \if... test.
6646 %
6647 % Count down instead of up with \downtovalue; the increment given in \bystep
6648 % is always positive, and is added or subtracted accordingly.
6649 %
6650 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
6651 % at the beginning of the loop body.

```



```

6652 %
6653 % Exit from middle of loop: \breaklooprepeat
6654 % use this at any place in the loop; in case of a conditional use
6655 % \ifsomething ... \expandafter \breaklooprepeat \fi
6656 %
6657 % Note that the line ends do not cause spaces in the output.
6658 %
6659 % Technical details:
6660 % The loop body is not executed in a group: the braces are those
6661 % of a token list.
6662 % The 'forvariable' variable is \let to a \count register.
6663
6664
6665
6666 % Auxiliary stuff
6667 \def\bidilooprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
6668 \def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname}
6669 \def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@depth\endcsname}
6670
6671 \newcount\bidilooprepeat@depth
6672 \let\endlooprepeat\relax \def\bidicprotect{}
6673 % Trace switches may later be defined by PAC_utils
6674 \let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
6675
6676 % Main repeatloop macro
6677 % - go to next level and allocate unique counter/toks if this is the
6678 %   first time we visit this level
6679 % - setup: gather bounds and termination conditions
6680 % - scoop up body in token list; after the assignment define and
6681 %   execute body
6682 \def\looprepeat#1\doloopbody{\bidilooprepeat@traceinit % exit in \breakrepeatloop
6683 \advance\bidilooprepeat@depth\@ne\relax
6684 \bidilooprepeat@csargromannumeral\ifx\bidilooprepeat@count\relax
6685 \bidilooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidilooprepeat@depth}
6686 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
6687 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
6688 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
6689 \fi \bidilooprepeat@zero \def\bidilooprepeat@sign{\def\bidilooprepeat@comp{>}\bidilooprepeat@depth}
6690 \edef\bidilooprepeat@tmp
6691 {\def\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}{\bidilooprepeat@depth}
6692 \afterassignment\bidilooprepeat@dxbody\bidilooprepeat@csromannumeral{\bidilooprepeat@depth}
6693
6694 % Define and execute loop body
6695 % This is done with an \edef to construct the actual sequence
6696 \def\bidilooprepeat@dxbody{\bidilooprepeat@csargromannumeral\edef{\bidilooprepeat@body}{%
6697 \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}%
6698 \noexpand\the\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@toks}%
6699 \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@utest}%
6700 \global\bidilooprepeat@csargromannumeral\advance{\bidilooprepeat@count} by \bidilooprepeat@depth}
6701 \noexpand\endlooprepeat
6702 \bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}}%
6703 \bidilooprepeat@csromannumeral{\bidilooprepeat@body}\ignorespaces}
6704
6705 % Stop test

```



```

6706 %% In order to stop, issue a
6707 % \breaklooprepeat which scoops up the rest of the body and exits
6708 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral{
6709   \advance\bidi@looprepeat@depth\m@ne \bidi@looprepeat@traceexit
6710 }
6711
6712
6713 % Setup
6714 % gather bounds and termination conditions
6715 \def\bidi@looprepeat@setup#1{%
6716   \begingroup
6717     \def\forvariable##1{%
6718       \edef\bidi@looprepeat@tmp{%
6719         \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral{\bidi@
6720           \bidi@looprepeat@tmp}%
6721       \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global{\bidi@looprepeat@count}##1\ig
6722       \def\tovalue##1{%
6723         \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@loop
6724           {\bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}}%
6725         \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand{\bidi@looprepeat@count}\bi
6726         \noexpand\expandafter \noexpand\breaklooprepeat
6727         \noexpand\fi}\ignorespaces}%
6728         \bidi@looprepeat@tmp}%
6729       \def\downtovalue##1{%
6730         \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
6731       \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}
6732         \bidi@looprepeat@csargromannumeral\gdef{\bidi@looprepeat@inc}{-##1}\else
6733         \bidi@looprepeat@csargromannumeral\gdef{\bidi@looprepeat@inc}{##1}\fi\ignoresp
6734       \def\untilcondition##1{%
6735         \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@loop
6736           {\noexpand##1\relax
6737             \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6738         \bidi@looprepeat@tmp}%
6739       \def\whilecondition##1{%
6740         \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{\bidi@loop
6741           {\noexpand##1\relax \noexpand\else
6742             \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
6743         \bidi@looprepeat@tmp}%
6744         \fromvalue{\@ne}\bystep{\@ne}#1%
6745       \endgroup}
6746 \def\bidi@looprepeat@zero
6747   {\bidi@looprepeat@csromannumeral{\bidi@looprepeat@toks}{}\bidi@looprepeat@csromannumeral{b
6748     \bidi@looprepeat@csargromannumeral\def{\bidi@looprepeat@body}{}}
6749
6750 %\tracingmacros2
6751 %\newcount\tmpcount % used in some examples below
6752
6753 %\looprepeat \forvariable{i}
6754 %       \bystep{2}
6755 % \doloopbody {%
6756 %   \ifnum\i=13 \expandafter\breaklooprepeat \fi
6757 %   \number\i} %
6758 %}%
6759

```



```

6760%\looprepeat \forvariable{iii}
6761%      \tovalue{8}
6762%      \doloopbody {}
6763%After loop: \number\iii%
6764
6765%\looprepeat \forvariable{i}
6766%      \fromvalue{10}
6767%      \bystep{2}
6768%      \downtovalue{0}
6769%      \doloopbody {\number{i}} }
6770
6771%\looprepeat \forvariable{x} \whilecondition{\ifnum\x<7}
6772%      \doloopbody {\number\x} }
6773
6774%\looprepeat \tovalue{3} \doloopbody {Hello world! }
6775
6776%\looprepeat \forvariable{j}
6777%      \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
6778%      \doloopbody {\number\j} }
6779
6780%\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
6781% {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
6782% \doloopbody {(\number{i}.\number{j}) }
6783% }
6784
6785% infinite loop
6786%\looprepeat \doloopbody {}
6787
6788\renewcommand{\InputIfFileExists}[2]{%
6789 \begingroup\expandafter\expandafter\expandafter\endgroup
6790 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
6791   \expandafter\@secondoftwo
6792 \else
6793   \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
6794   \expandafter\@firstoftwo
6795 \fi
6796 {%
6797   \expandafter\InputIfFileExists\expandafter{\csname
6798     #1-@bidi@alias\endcsname}{#2}%
6799 }%
6800 {\IfFileExists{#1}{%
6801   \bidi@load@hook{before}{#1}%
6802   #2\@addtofilelist{#1}%
6803   \@input \@filef@und
6804   \bidi@load@hook{after}{#1}%
6805 }}%
6806 }
6807
6808\newcommand*{\bidi@loadwithoptions}{}
6809\newcommand*{\bidi@loadwithoptions}{}
6810\let\bidi@loadwithoptions\@loadwithoptions
6811
6812\renewcommand*{\@loadwithoptions}[3]{%
6813 \begingroup\expandafter\expandafter\expandafter\endgroup

```



```

6814 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
6815 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
6816 \else
6817 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
6818 \def\bidi@loadwithoptions{%
6819 \loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
6820 }%
6821 \fi
6822 \bidi@loadwithoptions
6823 }
6824
6825 \newcommand*\bidi@onefilewithoptions{ }
6826 \let\bidi@onefilewithoptions@onefilewithoptions
6827 \def\@onefilewithoptions#1[#2][#3]#4{%
6828 \begingroup\expandafter\expandafter\expandafter\endgroup
6829 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
6830 \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
6831 \else
6832 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
6833 \edef\bidi@onefilewithoptions{%
6834 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
6835 \fi
6836 \bidi@onefilewithoptions[#2][#3]#4%
6837 \bidi@load@hook{lateafter}{#1.#4}%
6838 }
6839
6840 \newcommand*\bidi@ReplaceInput}[2]{%
6841 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
6842 }
6843
6844 \newcommand*\bidi@UnReplaceInput}[1]{%
6845 \ifcsname #1-@bidi@alias\endcsname
6846 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
6847 \fi
6848 }
6849
6850 \newcommand*\@bidi@replacefilewithext}[3]{%
6851 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
6852 }
6853 \newcommand*\bidi@ReplacePackage}[2]{%
6854 \@bidi@replacefilewithext{#1}{#2}\@pkgextension
6855 }
6856 \newcommand*\bidi@ReplaceClass}[2]{%
6857 \@bidi@replacefilewithext{#1}{#2}\@clsextension
6858 }
6859 \newcommand*\@bidi@unreplacefilewithext}[2]{%
6860 \ifcsname #1.#2-@bidi@aliasname\endcsname
6861 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
6862 \fi
6863 }
6864 \newcommand*\bidi@UnReplacePackage}[1]{%
6865 \@bidi@unreplacefilewithext{#1}\@pkgextension
6866 }
6867 \newcommand*\bidi@UnReplaceClass}[1]{%

```



```

6868 \@bidi@unreplacefilewithext{#1}\@clsextension
6869 }
6870 \newcommand*{\bidi@replacefile@msg}[2]{%
6871   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
6872 }
6873
6874 \newcommand*{\bidi@load@hook}[2]{%
6875   \@ifundefined{#2-@#1}{-}{%
6876     \@nameuse{#2-@#1}%
6877     \expandafter\let\csname #2-@#1\endcsname=\relax}}
6878 \newcommand*{\bidi@set@load@hook}[2]{%
6879   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{}%
6880   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
6881 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
6882 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
6883 \newcommand*{\bidi@BeforeClass}[1]{%
6884   \bidi@set@load@hook{before}{#1.\@clsextension}}
6885 \newcommand*{\bidi@AfterClass}{%
6886   \@ifstar {\@s@bidi@AfterClass}{%
6887     \@ifnextchar +\@@bidi@AfterClass{%
6888       \@ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
6889     }%
6890   }%
6891 }
6892
6893 \newcommand*{\@@@bidi@AfterClass}[2]{%
6894   \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
6895     \aftergroup\@s@bidi@AfterClass
6896   \else
6897     \aftergroup\bidi@AfterAtEndOfClass
6898   \fi
6899   \endgroup{#2}%
6900 }
6901
6902 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
6903   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
6904 \newcommand*{\@@@bidi@AfterClass}[2]{%
6905   \begingroup
6906     \expandafter\ifx\csname #2.\@clsextension-h@k\endcsname\relax
6907       \aftergroup\@s@bidi@AfterClass
6908     \else
6909       \aftergroup\bidi@AfterClass
6910     \fi
6911   \endgroup{#2}%
6912 }
6913
6914 \newcommand*{\@bidi@AfterClass}[1]{%
6915   \bidi@set@load@hook{after}{#1.\@clsextension}}
6916 \newcommand*{\@s@bidi@AfterClass}[1]{%
6917   \begingroup
6918     \@ifclassloaded{#1}{%
6919       \aftergroup\@secondoftwo
6920     }{%
6921       \aftergroup\bidi@AfterClass

```




```

6922 }%
6923 \endgroup
6924 {#1}%
6925 }
6926
6927
6928 \newcommand*{\bidi@BeforePackage}[1]{%
6929 \bidi@set@load@hook{before}{#1.\@pkgextension}}
6930 \newcommand*{\bidi@AfterPackage}{%
6931 \@ifstar {\@s@bidi@AfterPackage}{%
6932 \ifnextchar +\@@@bidi@AfterPackage{%
6933 \ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
6934 }%
6935 }%
6936 }
6937 \newcommand*{\@@@bidi@AfterPackage}[2]{%
6938 \begingroup\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
6939 \aftergroup\@s@bidi@AfterPackage
6940 \else
6941 \aftergroup\bidi@AfterAtEndOfPackage
6942 \fi
6943 \endgroup{#2}%
6944 }
6945 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
6946 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
6947 \newcommand*{\@@@bidi@AfterPackage}[2]{%
6948 \begingroup
6949 \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
6950 \aftergroup\@s@bidi@AfterPackage
6951 \else
6952 \aftergroup\@bidi@AfterPackage
6953 \fi
6954 \endgroup{#2}%
6955 }
6956 \newcommand*{\@bidi@AfterPackage}[1]{%
6957 \bidi@set@load@hook{after}{#1.\@pkgextension}}
6958 \newcommand*{\@s@bidi@AfterPackage}[1]{%
6959 \begingroup
6960 \@ifpackageloaded{#1}{%
6961 \aftergroup\@secondoftwo
6962 }{%
6963 \aftergroup\@bidi@AfterPackage
6964 }%
6965 \endgroup
6966 {#1}%
6967 }
6968
6969 \newcommand*{\bidi@excludedpackages}{}
6970 \let\bidi@excludedpackages\@empty
6971 \newcommand*{\bidi@saved@RequirePackage}{}
6972 \newcommand*{\bidi@PreventPackageFromLoading}{%
6973 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}{%
6974 {\@bidi@PreventPackageFromLoading\PackageWarning}}%
6975 }

```



```

6976 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
6977   \@ifnextchar [%]
6978     {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1 []}%
6979 }
6980 \newcommand*{\@bidi@PreventPackageFromLoading}{}
6981
6982 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
6983   \edef\reserved@b{\zap@space#3 \@empty}%
6984   \ifx \reserved@b\@empty
6985     #1{biditools}{%
6986       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
6987       argument ignored%
6988     }%
6989   \else
6990     \ifx\bidi@excludedpackages\@empty
6991       \let\bidi@saved@RequirePackage\RequirePackage
6992       \let\RequirePackage\bidi@RequirePackage
6993       \def\reserved@a##1###{%
6994         \@latex@error
6995         {\noexpand \usepackage before \string\documentclass}%
6996         {\noexpand \usepackage may only appear in the document
6997          preamble, i.e.,\MessageBreak
6998          between \noexpand\documentclass and
6999          \string\begin{document}.}%
7000         \@gobble}%
7001       \ifx\reserved@a\usepackage\else
7002         \ifx\usepackage\bidi@saved@RequirePackage\else
7003           \PackageWarning{biditools}{%
7004             Maybe serious problem: unexpected definition of\MessageBreak
7005             \string\usepackage
7006           }%
7007         \fi
7008         \let\usepackage\RequirePackage
7009       \fi
7010     \fi
7011     \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
7012     \reserved@b\do {%
7013       \ifx\reserved@a\@empty
7014         #1{biditools}{%
7015           empty package argument for
7016           \string\bidi@PreventPackageFromLoading\MessageBreak
7017           ignored%
7018         }%
7019       \else
7020         \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
7021           #1{biditools}{%
7022             package `\'reserved@a' already loaded.\MessageBreak
7023             Cannot prevent it from being loaded%
7024           }%
7025         }{%
7026           \edef\bidi@excludedpackages{\bidi@excludedpackages,%
7027             \reserved@a}%
7028           \if\relax\detokenize{#2}\relax\else
7029             \ifundefined{bidi@exclude@package@\reserved@a @do}{%

```



```

7030         \@namedef{bidi@exclude@package@\reserved@a @do}{}%
7031     }{}%
7032     \expandafter\def
7033     \csname bidi@exclude@package@\reserved@a
7034         @do\expandafter\expandafter\expandafter\endcsname
7035     \expandafter\expandafter\expandafter{%
7036         \csname bidi@exclude@package@\reserved@a @do\endcsname
7037         #2%
7038     }%
7039     \fi
7040 }%
7041 \fi
7042 }%
7043 \ifx\bidi@excludedpackages\@empty
7044     \bidi@ResetPreventPackageFromLoading
7045 \fi
7046 \fi
7047 }
7048
7049 \@onlypreamble\bidi@PreventPackageFromLoading
7050 \newcommand*{\bidi@ResetPreventPackageFromLoading}{%
7051     \let\bidi@excludedpackages\@empty
7052     \ifx\RequirePackage\bidi@RequirePackage
7053         \ifx\usepackage\RequirePackage
7054             \let\usepackage\bidi@saved@RequirePackage
7055         \fi
7056         \let\RequirePackage\bidi@saved@RequirePackage
7057     \fi
7058 }
7059 \@onlypreamble\bidi@ResetPreventPackageFromLoading
7060 \newcommand*{\bidi@StorePreventPackageFromLoading}[1]{%
7061     \let#1\bidi@excludedpackages
7062 }
7063 \@onlypreamble\bidi@StorePreventPackageFromLoading
7064 \newcommand*{\bidi@UnPreventPackageFromLoading}{%
7065     \@ifstar {\@tempswatrue\bidi@UnPreventPackageFromLoading}%
7066             {\@tempswafalse\bidi@UnPreventPackageFromLoading}%
7067 }
7068
7069 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%
7070     \edef\reserved@b{\zap@space#1 \@empty}%
7071     \if@tempswa
7072         \@for\reserved@a:=\reserved@b\do {%
7073             \ifx\reserved@a\@empty \else
7074                 \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
7075                     \expandafter\let
7076                     \csname bidi@exclude@package@\reserved@a @do\endcsname
7077                     \undefined
7078                 \fi
7079             \fi
7080         }%
7081     \fi
7082     \ifcsname bidi@excludedpackages\endcsname
7083         \let\reserved@a\bidi@excludedpackages

```



```

7084 \let\ bidi@excludedpackages\@empty
7085 \expandafter\@for\expandafter\reserved@c
7086 \expandafter:\expandafter=\reserved@a
7087 \do{%
7088 \ifx\reserved@c\@empty\else
7089 \@expandtwoargs\in@{,\reserved@c,}{,\reserved@b,}%
7090 \ifin@
7091 \else
7092 \edef\ bidi@excludedpackages{%
7093 \ bidi@excludedpackages,\reserved@c
7094 }%
7095 \fi
7096 \fi
7097 }%
7098 \ifx\ bidi@excludedpackages\@empty\ bidi@ResetPreventPackageFromLoading\fi
7099 \fi
7100 }
7101
7102
7103 \newcommand*{\ bidi@RequirePackage}[2][ ]{%
7104 \let\reserved@c\@empty
7105 \let\reserved@d\@empty
7106 \edef\reserved@b{\zap@space#2 \@empty}%
7107 \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
7108 \do {%
7109 \begingroup
7110 \@tempswatruer
7111 \@for\reserved@a:=\ bidi@excludedpackages\do {%
7112 \ifx\reserved@a\reserved@b
7113 \@tempswafalse
7114 \fi
7115 }%
7116 \if@tempswa
7117 \xdef\reserved@c{\reserved@c,\reserved@b}%
7118 \else
7119 \ifx\reserved@b\@empty\else
7120 \PackageInfo{biditools}{Excluding package ` \reserved@b'\MessageBreak
7121 from loading}%
7122 \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
7123 }{%
7124 \expandafter\g@addto@macro\expandafter\reserved@d
7125 \csname bidi@exclude@package@\reserved@b @do\endcsname
7126 }%
7127 \fi
7128 \fi
7129 \endgroup
7130 }%
7131 \ifx\reserved@c\@empty
7132 \let\reserved@a\ bidi@gobbleopt
7133 \else
7134 \edef\reserved@a{\noexpand\ bidi@saved@RequirePackage[#1]{%
7135 \expandafter\@gobble\reserved@c\@empty}}%
7136 \fi
7137 \expandafter\reserved@d

```



```

7138 \reserved@a
7139 }
7140
7141 \newcommand{\bidi@gobbleopt}[1][{}]{
7142 \AtEndDocument{%
7143 \let\bidi@saved@checkend=@checkend
7144 \renewcommand*{\@checkend}[1]{%
7145 \def\reserved@a{#1}\def\reserved@b{document}%
7146 \bidi@saved@checkend{#1}%
7147 \ifx\reserved@a\reserved@b
7148 \let\bidi@saved@clearpage=\clearpage
7149 \renewcommand*{\clearpage}{\bidi@saved@clearpage
7150 \bidi@hook@bcma
7151 \bidi@restore@newpage
7152 \let\clearpage=\bidi@saved@clearpage}%
7153 \fi%
7154 \let\bidi@saved@dofilelist@dofilelist
7155 \def@dofilelist{%
7156 \bidi@hook@acma
7157 \let@dofilelist\bidi@saved@dofilelist
7158 \bidi@saved@dofilelist
7159 }%
7160 }%
7161 }
7162
7163
7164 \newcommand*{\bidi@saved@checkend}{}
7165 \newcommand*{\bidi@saved@dofilelist}{}
7166 \newcommand*{\bidi@redefine@newpage}{%
7167 \let\bidi@saved@newpage\newpage
7168 \def\bidi@restore@newpage{%
7169 \renewcommand*{\newpage}{%
7170 \PackageWarningNoLine{%
7171 biditools%
7172 }{%
7173 \string\newpage\space at main aux file!\MessageBreak
7174 You have output material at the main aux file.\MessageBreak
7175 Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
7176 are processed before the output from aux file%
7177 }%
7178 \let\newpage\bidi@saved@newpage
7179 \newpage
7180 }%
7181 }%
7182 \renewcommand*{\newpage}{%
7183 \PackageError{%
7184 biditools%
7185 }{%
7186 \string\newpage\space at \string\bidi@BeforeClosingMainAux
7187 }{%
7188 You should never use \string\newpage\space or
7189 \string\clear(double)page or other output material at the\MessageBreak
7190 argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
7191 If you'll continue, the \string\newpage\space will be ignored to

```



```

7192     avoid corruption of\MessageBreak
7193     every prior use of \string\bidibeforeclosingmainaux.
7194   }%
7195 }%
7196 }
7197
7198 \newcommand*\bidirestore@newpage{}
7199 \newcommand*\bidihook@bcma{}
7200 \newcommand*\bidihook@acma{}
7201 \newcommand*\bidibeforeclosingmainaux{}
7202 \ifx\bidihook@bcma\@empty
7203   \gdef\bidihook@bcma{%
7204     \renewcommand*\bidibeforeclosingmainaux}[1]{###1}%
7205     \let\protected@write\bidiprotected@immediate@write
7206     \bidiredefine@newpage
7207   }%
7208 \fi
7209 \g@addto@macro\bidihook@bcma%
7210 }
7211
7212 \newcommand*\bidiafterreadingmainaux{}
7213 \ifx\bidihook@acma\@empty
7214   \gdef\bidihook@acma{%
7215     \renewcommand*\bidiafterreadingmainaux}[1]{###1}%
7216     \let\protected@write\bidiprotected@immediate@write
7217   }%
7218 \fi
7219 \g@addto@macro\bidihook@acma%
7220 }
7221
7222 \long\def\bidiprotected@immediate@write#1#2#3{%
7223 \begingroup
7224   #2%
7225   \let\protect\@unexpandable@protect
7226   \edef\reserved@a{\immediate\write#1{#3}}%
7227   \reserved@a
7228 \endgroup
7229 \if@nbreak\ifvmode\nobreak\fi\fi
7230 }
7231
7232 \def\bidipatch@counter{0}%
7233 \if@bidicsundef{numexpr}{%
7234 \def\bidipatch@stepcounter{%
7235   \begingroup
7236     \count@\bidipatch@counter\relax
7237     \advance\count@\@ne\relax
7238     \edef\x{\endgroup
7239       \noexpand\def\noexpand\bidipatch@counter{\the\count@}%
7240     }%
7241     \x
7242   }%
7243 }{%
7244 \def\bidipatch@stepcounter{%
7245   \edef\bidipatch@counter{%

```



```

7246     \the\numexpr\bidipatch@counter+\@ne\relax
7247   }%
7248 }%
7249 }
7250 \def\bidipatch@list{}
7251 \def\bidipatch@Add{%
7252   \bidipatch@appto\bidipatch@list
7253 }
7254 \def\bidipatch@AfterPackage#1{%
7255   \@ifpackageloaded{#1}{%
7256     \@firstofone
7257   }{%
7258     \@bidipatch@AfterPackage{#1}%
7259   }%
7260 }
7261 \def\@bidipatch@AfterPackage#1{%
7262   \edef\bidipatch@temp{#1}%
7263   \bidipatch@stepcounter
7264   \expandafter\bidipatch@@AfterPackage
7265   \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
7266     \bidipatch@temp
7267   }%
7268 }
7269 \def\bidipatch@@AfterPackage#1#2#3{%
7270   \begingroup
7271     \toks@{#3}%
7272     \xdef\bidipatch@gtemp{%
7273       \noexpand\@ifpackageloaded{#2}{%
7274         \noexpand\let\noexpand#1\noexpand\relax
7275         \the\toks@
7276       }-%
7277     }%
7278   \endgroup
7279   \let#1\bidipatch@gtemp
7280   \bidipatch@Add#1%
7281   \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
7282 }
7283
7284 \def\bidipatch@try#1#2#3{%
7285   \if@bidipatch@csundef{#1}{-%
7286     \csname #1\endcsname{#2}{#3}%
7287   }%
7288 }
7289
7290 \AtBeginDocument{\bidipatch@list}
7291
7292 \bidipatch@AtEndPreamble{\bidipatch@list}%
7293
7294 \bidipatch@AfterEndPreamble{%
7295   \let\bidipatch@OrgIfPackageLoaded\@ifpackageloaded
7296   \let\bidipatch@OrgIfPackageLater\@ifpackagelater
7297   \let\bidipatch@OrgIfClassLoaded\@ifclassloaded
7298   \let\bidipatch@OrgIfClassLater\@ifclasslater
7299   \bidipatch@list

```



```

7300 \let\@ifpackageloaded\@patch@OrgIfPackageLoaded
7301 \let\@ifpackagelater\@patch@OrgIfPackageLater
7302 \let\@ifclassloaded\@patch@OrgIfClassLoaded
7303 \let\@ifclasslater\@patch@OrgIfClassLater
7304 }%

```

53 File `bidituftefloat.sty`

```

7305 \NeedsTeXFormat{LaTeX2e}
7306 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
7307 bidi implementation of tufte float]
7308 \RequirePackage{xifthen}
7309 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
7310 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
7311 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{@bidituftefloat@debug}}{\bid
7312 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
7313 \newboolean{@bidituftefloat@reversegeometry}
7314 \setboolean{@bidituftefloat@reversegeometry}{false}
7315 \DeclareOption{reversegeometry}{\setboolean{@bidituftefloat@reversegeometry}{true}}
7316 \newboolean{@bidituftefloat@a4paper}
7317 \DeclareOption{a4paper}{\setboolean{@bidituftefloat@a4paper}{true}}
7318 \newboolean{@bidituftefloat@b5paper}
7319 \DeclareOption{b5paper}{\setboolean{@bidituftefloat@b5paper}{true}}
7320 \newboolean{@bidituftefloat@symmetric}
7321 \newboolean{@bidituftefloat@twoside}
7322 \DeclareOption{twoside}{%
7323 \@twosidetrue \@mparswitchtrue%
7324 \setboolean{@bidituftefloat@twoside}{true}}%
7325 \setboolean{@bidituftefloat@symmetric}{true}}%
7326 }
7327 \DeclareOption{oneside}{%
7328 \@twosidefalse \@mparswitchfalse%
7329 \setboolean{@bidituftefloat@twoside}{false}}%
7330 \setboolean{@bidituftefloat@symmetric}{false}}%
7331 }
7332 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
7333 \newboolean{@bidituftefloat@debug}
7334 \newcommand*{\@bidituftefloat@caption@justification}{\@bidituftefloat@justification@autodete
7335 \ProcessOptions
7336 %% Globally sets the length
7337 \newcommand*{\gsetlength}[2]{%
7338 \setlength{#1}{#2}}%
7339 \global#1=#1\relax%
7340 }
7341
7342 %% Set the font sizes and baselines to match bidituftefloat's books
7343 \renewcommand\normalsize{%
7344 \setfontsize\normalsize\@xpt{14}}%
7345 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
7346 \abovedisplayshortskip \z@ \@plus3\p@
7347 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
7348 \belowdisplayskip \abovedisplayskip
7349 \let\@listi\@listI}
7350 \normalbaselineskip=14pt

```




```

7351 \normalsize
7352 \renewcommand\footnotesize{%
7353   \@setfontsize\footnotesize\@viipt{10}%
7354   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
7355   \abovedisplayshortskip \z@ \@plus\p@
7356   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
7357   \def\@listi{\leftmargin\leftmargini
7358     \topsep 3\p@ \@plus\p@ \@minus\p@
7359     \parsep 2\p@ \@plus\p@ \@minus\p@
7360     \itemsep \parsep}%
7361   \belowdisplayskip \abovedisplayskip
7362 }
7363 %% Paragraph indentation and separation for marginal text
7364 \newcommand{\@biditytfloat@margin@par}{%
7365   \setlength{\RaggedRightParindent}{0.5pc}%
7366   \setlength{\JustifyingParindent}{0.5pc}%
7367   \setlength{\parindent}{0.5pc}%
7368   \setlength{\parskip}{0pt}%
7369 }
7370 \RequirePackage{ragged2e}
7371 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
7372 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpa
7373 \ifthenelse{\boolean{@biditytfloat@a4paper}}
7374   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpa
7375   {}}
7376 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
7377   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm
7378   {}}}%
7379 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpa
7380 \ifthenelse{\boolean{@biditytfloat@a4paper}}
7381   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpa
7382   {}}
7383 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
7384   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,
7385   {}}
7386 \ifthenelse{\boolean{@biditytfloat@symmetric}}
7387   {}
7388   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
7389 \setlength\marginparpush{10pt}
7390 %% Font for margin items
7391 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
7392 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
7393 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
7394 \newcommand{\@biditytfloat@justification}{\justifying}%
7395 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
7396 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
7397 \newboolean{@biditytfloat@changeage}
7398 \IfFileExists{changeage.sty}{%
7399   \biditytfloatDebugInfoNL{Found changeage.sty}
7400   \RequirePackage[strict]{changeage}
7401   \setboolean{@biditytfloat@changeage}{true}
7402 }{%
7403   \biditytfloatDebugInfoNL{Found chngpage.sty}
7404   \RequirePackage[strict]{chngpage}

```



```

7405 \setboolean{@biditytfloat@changepage}{false}
7406 }
7407 \newboolean{@biditytfloat@odd@page}
7408 \setboolean{@biditytfloat@odd@page}{true}
7409 \newcommand*{\@biditytfloat@checkoddpage}{%
7410 \checkoddpage%
7411 \ifthenelse{\boolean{@biditytfloat@changepage}}{%
7412 \ifoddpage%
7413 \setboolean{@biditytfloat@odd@page}{true}%
7414 \else%
7415 \setboolean{@biditytfloat@odd@page}{false}%
7416 \fi%
7417 }{%
7418 \ifcpoddpage%
7419 \setboolean{@biditytfloat@odd@page}{true}%
7420 \else%
7421 \setboolean{@biditytfloat@odd@page}{false}%
7422 \fi%
7423 }%
7424 }
7425 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running head
7426 \newlength{\@biditytfloat@fullwidth}
7427 \newlength{\@biditytfloat@caption@fill}
7428 \newcommand{\@biditytfloatRecalculate}{%
7429 \setlength{\@biditytfloat@overhang}{\marginparwidth}
7430 \addtolength{\@biditytfloat@overhang}{\marginparsep}
7431
7432 \setlength{\@biditytfloat@fullwidth}{\textwidth}
7433 \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
7434 \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
7435
7436 \setlength{\@biditytfloat@caption@fill}{\textwidth}
7437 \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
7438 }
7439 \AtBeginDocument{\@biditytfloatRecalculate}
7440 \RequirePackage{optparams}% provides multiple optional arguments for commands
7441 \RequirePackage{placeins}
7442 \newsavebox{\@biditytfloat@margin@floatbox}
7443 \newenvironment{@biditytfloat@margin@float}[2] [-1.2ex]%
7444 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in o
7445 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
7446 \begin{minipage}{\marginparwidth}%
7447 \@biditytfloat@caption@font%
7448 \def\@captive{#2}%
7449 \hbox{\vspace*{#1}}%
7450 \@biditytfloat@caption@justification%
7451 \@biditytfloat@margin@par%
7452 \noindent%
7453 }
7454 {\end{minipage}%
7455 \end{lrbox}%
7456 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
7457 }
7458 \newenvironment{marginfigure}[1] [-1.2ex]%

```



```

7459 {\begin{@biditytfloat@margin@float}[#1]{figure}}
7460 {\end{@biditytfloat@margin@float}}
7461 \newenvironment{margintable}[1][-1.2ex]%
7462 {\begin{@biditytfloat@margin@float}[#1]{table}}
7463 {\end{@biditytfloat@margin@float}}
7464 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
7465
7466 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float
7467 \newcommand{\@biditytfloat@float@debug}[1]{}% adds debug info to the queue for output
7468 \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}%
7469 {\def\@biditytfloat@float@debug@info[#1]}%
7470 {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
7471 }
7472 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
7473 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug@info{#1}}
7474 \newboolean{@biditytfloat@float@recto}
7475 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug@info{#1}
7476 \newcommand{\forceversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug@info{#1}
7477 \newsavebox{@biditytfloat@figure@box}
7478 \newsavebox{@biditytfloat@caption@box}
7479 \let\@biditytfloat@orig@float\@float
7480 \let\@biditytfloat@orig@endfloat\endfloat
7481 \newlength{\@biditytfloat@caption@vertical@offset}
7482 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
7483 \newcommand{\@biditytfloat@stored@shortcaption}{}
7484 \newcommand{\@biditytfloat@stored@caption}{}
7485 \newcommand{\@biditytfloat@stored@label}{}
7486 \long\def\@biditytfloat@caption[#1][#2]#3{%
7487 \ifthenelse{\isempty{#1}}%
7488 {\gdef\@biditytfloat@stored@shortcaption{#3}}%
7489 {\gdef\@biditytfloat@stored@shortcaption{#1}}%
7490 \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to l
7491 \gdef\@biditytfloat@stored@caption{#3}%
7492 }
7493 \newcommand{\@biditytfloat@label}[1]{}%
7494 \gdef\@biditytfloat@stored@label{#1}%
7495 }
7496 \newcommand{\@biditytfloat@fps}{}
7497 \newboolean{@biditytfloat@float@star}
7498 \newlength{\@biditytfloat@float@contents@width}
7499 \newenvironment{@biditytfloat@float}[3][htbp]%
7500 {% begin @biditytfloat@float
7501 % Should this float be full-width or just text-width?
7502 \ifthenelse{\equal{#3}{star}}%
7503 {\GlobalSetBoolean{@biditytfloat@float@star}{true}}%
7504 {\GlobalSetBoolean{@biditytfloat@float@star}{false}}%
7505 % Check page side (recto/verso) and store detected value -- can be overridden in environm
7506 \@biditytfloat@float@checkoddpage%
7507 \ifthenelse{\boolean{@biditytfloat@odd@page}}%
7508 {\GlobalSetBoolean{@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Dete
7509 {\GlobalSetBoolean{@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{Dete
7510 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages
7511 \renewcommand{\@biditytfloat@fps}{#1}%
7512 \@biditytfloat@float@debug{Allowed positions: [#1]}%

```



```

7513 \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
7514   {\renewcommand{\floatalignment}{b}\@bidualtfloat@float@debug{Presumed position: [bot
7515   {\renewcommand{\floatalignment}{t}\@bidualtfloat@float@debug{Presumed position: [top
7516   % Capture the contents of the \caption and \label commands to use later
7517   \global\let\@bidualtfloat@orig@caption\caption%
7518   \global\let\@bidualtfloat@orig@label\label%
7519   \renewcommand{\caption}{\optparams{\@bidualtfloat@caption}{[] [Opt]}}%
7520   \renewcommand{\label}[1]{\@bidualtfloat@label{##1}}%
7521   % Handle subfigure package compatibility
7522   \ifthenelse{\boolean{@bidualtfloat@packages@subfigure}}{%
7523     \bidualtfloat@patchcmd{\subfigure}{%
7524     \let\subfig@oldlabel=\label
7525     }{%
7526     \let\subfig@oldlabel=\@bidualtfloat@orig@label
7527     }
7528     {}
7529     {}
7530     \let\subtable=\subfigure
7531   }{}% subfigure package is not loaded
7532   \@bidualtfloat@orig@float{#2}[#1]%
7533   \ifthenelse{\boolean{@bidualtfloat@float@star}}%
7534     {\setlength{\@bidualtfloat@float@contents@width}{\@bidualtfloat@fullwidth}}%
7535     {\setlength{\@bidualtfloat@float@contents@width}{\textwidth}}%
7536   \begin{lrbox}{\@bidualtfloat@figure@box}%
7537   \begin{minipage}[\floatalignment]{\@bidualtfloat@float@contents@width}\hbox{%
7538 }{% end @bidualtfloat@float
7539   \par\hbox{\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}}% a
7540   \end{minipage}%
7541   \end{lrbox}%
7542   % build the caption box
7543   \begin{lrbox}{\@bidualtfloat@caption@box}%
7544   \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
7545     \ifthenelse{\NOT\equal{\@bidualtfloat@stored@caption}{}}{\@bidualtfloat@orig@cap
7546     \ifthenelse{\NOT\equal{\@bidualtfloat@stored@label}{}}{\@bidualtfloat@orig@label
7547     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
7548     \end{minipage}%
7549   \end{lrbox}%
7550   % now typeset the stored boxes
7551   \begin{fullwidth}%
7552     \begin{minipage}[\floatalignment]{\linewidth}%
7553       \ifthenelse{\boolean{@bidualtfloat@float@star}}%
7554         {\@bidualtfloat@float@fullwidth[\@bidualtfloat@caption@vertical@offset]{\@bidi
7555         {\@bidualtfloat@float@textwidth[\@bidualtfloat@caption@vertical@offset]{\@bidi
7556     \end{minipage}%
7557   \end{fullwidth}%
7558   \@bidualtfloat@orig@endfloat% end original LaTeX float environment
7559   % output debug info
7560   \ifthenelse{\boolean{@bidualtfloat@debug}}{%
7561     \typeout{^^J^^J----- bidualtfloat package float information -----}%
7562     \ifthenelse{\equal{\@bidualtfloat@stored@label}{}}%
7563       {\typeout{Warning: Float unlabeled!}}%
7564       {\typeout{Float label: [\@bidualtfloat@stored@label]}}%
7565     \typeout{Page number: [\thepage]}%
7566     \def\MessageBreak{^^J}%

```



```

7567 \typeout{\@bidituftefloat@float@debug@info}%
7568 \ifthenelse{\boolean{@bidituftefloat@symmetric}}%
7569   {\typeout{Symmetric: [true]}}%
7570   {\typeout{Symmetric: [false]}}%
7571 \typeout{-----^^J^^J}%
7572 }{}%
7573 % reset commands and temp boxes and captions
7574 \gdef\@bidituftefloat@float@debug@info{}%
7575 \let\caption\@bidituftefloat@orig@caption%
7576 \let\label\@bidituftefloat@orig@label%
7577 \begin{lrbox}{\@bidituftefloat@figure@box}\hbox{}\end{lrbox}%
7578 \begin{lrbox}{\@bidituftefloat@caption@box}\hbox{}\end{lrbox}%
7579 \gdef\@bidituftefloat@stored@shortcaption{}%
7580 \gdef\@bidituftefloat@stored@caption{}%
7581 \gdef\@bidituftefloat@stored@label{}%
7582 \gsetlength{\@bidituftefloat@caption@vertical@offset}{0pt}% reset caption offset
7583 }
7584 \newcommand{\@bidituftefloat@float@textwidth}[3][Opt]{%
7585 \ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}\OR\boolean{@bidituftefloat@float@recto}}%
7586   % asymmetric or page is odd, so caption is on the right
7587   \hbox{%
7588     \usebox{#2}%
7589     \hspace{\marginparsep}%
7590     \smash{\raisebox{#1}{\usebox{#3}}}%
7591   }
7592   \@bidituftefloat@float@debug{Caption position: [right]}%
7593 }{% symmetric pages and page is even, so caption is on the left
7594   \hbox{%
7595     \smash{\raisebox{#1}{\usebox{#3}}}%
7596     \hspace{\marginparsep}%
7597     \usebox{#2}%
7598   }
7599   \@bidituftefloat@float@debug{Caption position: [left]}%
7600 }%
7601 }
7602 \newcommand{\@bidituftefloat@float@fullwidth}[3][Opt]{%
7603 \ifthenelse{\equal{\floatalignment}{b}}%
7604   {% place caption above figure
7605     \ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}\OR\boolean{@bidituftefloat@float@recto}}%
7606     {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bidituftefloat@float@debug}
7607     {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bidituftefloat@float@debug}
7608   }{% place caption below figure
7609     \ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}\OR\boolean{@bidituftefloat@float@recto}}%
7610     {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bidituftefloat@float@debug}
7611     {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bidituftefloat@float@debug}
7612   }%
7613 }
7614 \renewenvironment{figure}[1][htbp]%
7615   {\ifvmode\else\unskip\fi\begin{@bidituftefloat@float}[#1]{figure}{}}
7616   {\end{@bidituftefloat@float}}
7617 \renewenvironment{table}[1][htbp]
7618   {\ifvmode\else\unskip\fi\begin{@bidituftefloat@float}[#1]{table}{}}
7619   {\end{@bidituftefloat@float}}
7620 \renewenvironment{figure*}[1][htbp]%

```



```

7621 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
7622 {\end{@biditytfloat@float}}
7623 \renewenvironment{table*}[1][htbp]%
7624 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
7625 {\end{@biditytfloat@float}}
7626 \newenvironment{fullwidth}
7627 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
7628   {\ifthenelse{\boolean{@biditytfloat@change page}}{\begin{adjustwidth*}{- \@biditytfloat@overhang}}%
7629   {\begin{adjustwidth}{- \@biditytfloat@overhang}}}%
7630 }%
7631 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
7632   {\ifthenelse{\boolean{@biditytfloat@change page}}{\end{adjustwidth*}}{\end{adjustwidth}}%
7633   {\end{adjustwidth}}}%
7634 }
7635 \long\def\@caption#1[#2]#3{%
7636   \par%
7637   \addcontentsline{\csname ext@#1\endcsname}{#1}%
7638     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
7639   \begingroup%
7640     \@parboxrestore%
7641     \if@minipage%
7642       \setminipage%
7643     \fi%
7644     \@biditytfloat@caption@font\@biditytfloat@caption@justification%
7645     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
7646     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
7647   \endgroup}
7648 %%
7649 % Turns newlines into spaces. Based on code from the `titlesec' package.
7650 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
7651   \ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
7652 }
7653 \def\@biditytfloat@newlinetospace@i{%
7654   \ifdim\lastskip>\z@\else\space\fi
7655   \ignorespaces%
7656 }
7657 \DeclareRobustCommand{\newlinetospace}[1]{%
7658   \let\@biditytfloat@orig@cr\% save the original meaning of \
7659   \def\@biditytfloat@newlinetospace\% turn \ and \* into \space
7660   \let\newline\% turn \newline into \space
7661   #1%
7662   \let\@biditytfloat@orig@cr\% revert to original meaning of \
7663 }
7664 \RequirePackage{fancyhdr}
7665 \pagestyle{fancy}
7666 \AtBeginDocument{%
7667   \ifthenelse{\boolean{@biditytfloat@symmetric}}
7668     {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
7669     {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
7670 }
7671 % The running heads/feet don't have rules
7672 \renewcommand{\headrulewidth}{0pt}
7673 \renewcommand{\footrulewidth}{0pt}
7674 % The 'fancy' page style is the default style for all pages.

```



```

7675 \fancyhf{} % clear header and footer fields
7676   \ifthenelse{\boolean{@biditytfloat@symmetric}}
7677     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
7678     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7679     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
7680 % The `plain' page style is used on chapter opening pages.
7681 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
7682 % bottom of pages -- the folios are unexpressed.
7683 \fancypagestyle{plain}{
7684   \fancyhf{} % clear header and footer fields
7685   % Uncomment the following five lines of code if you want the opening page
7686   % of the chapter to express the folio in the lower outside corner.
7687   % \ifthenelse{\boolean{@biditytfloat@symmetric}}
7688   %   {\fancyfoot[LE,RO]{\thepage}}
7689   %   {\fancyfoot[RE,RO]{\thepage}}
7690 }
7691 % The `empty' page style suppresses all headers and footers.
7692 % It's used on title pages and `intentionally blank' pages.
7693 \fancypagestyle{empty}{
7694   \fancyhf{} % clear header and footer fields
7695 }
7696 \def\morefloats{% provides a total of 52 floats
7697   \ifthenelse{\isundefined{\bx@S}}{%
7698     \biditytfloatDebugInfoNL{Adding 34 more float slots.}
7699     \newinsert\bx@S
7700     \newinsert\bx@T
7701     \newinsert\bx@U
7702     \newinsert\bx@V
7703     \newinsert\bx@W
7704     \newinsert\bx@X
7705     \newinsert\bx@Y
7706     \newinsert\bx@Z
7707     \newinsert\bx@a
7708     \newinsert\bx@b
7709     \newinsert\bx@c
7710     \newinsert\bx@d
7711     \newinsert\bx@e
7712     \newinsert\bx@f
7713     \newinsert\bx@g
7714     \newinsert\bx@h
7715     \newinsert\bx@i
7716     \newinsert\bx@j
7717     \newinsert\bx@k
7718     \newinsert\bx@l
7719     \newinsert\bx@m
7720     \newinsert\bx@n
7721     \newinsert\bx@o
7722     \newinsert\bx@p
7723     \newinsert\bx@q
7724     \newinsert\bx@r
7725     \newinsert\bx@s
7726     \newinsert\bx@t
7727     \newinsert\bx@u
7728     \newinsert\bx@v

```



```

7729 \newinsert\bx@w
7730 \newinsert\bx@x
7731 \newinsert\bx@y
7732 \newinsert\bx@z
7733 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7734 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7735 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7736 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7737 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7738 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7739 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7740 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7741 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
7742 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7743 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7744 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}]%
7745 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
7746 \ifthenelse{\isundefined{\bx@AA}}{%
7747 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
7748 \newinsert\bx@AA
7749 \newinsert\bx@BB
7750 \newinsert\bx@CC
7751 \newinsert\bx@DD
7752 \newinsert\bx@EE
7753 \newinsert\bx@FF
7754 \newinsert\bx@GG
7755 \newinsert\bx@HH
7756 \newinsert\bx@II
7757 \newinsert\bx@JJ
7758 \newinsert\bx@KK
7759 \newinsert\bx@LL
7760 \newinsert\bx@MM
7761 \newinsert\bx@NN
7762 \newinsert\bx@OO
7763 \newinsert\bx@PP
7764 \newinsert\bx@QQ
7765 \newinsert\bx@RR
7766 \newinsert\bx@SS
7767 \newinsert\bx@TT
7768 \newinsert\bx@UU
7769 \newinsert\bx@VV
7770 \newinsert\bx@WW
7771 \newinsert\bx@XX
7772 \newinsert\bx@YY
7773 \newinsert\bx@ZZ
7774 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
7775 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
7776 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
7777 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
7778 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
7779 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
7780 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
7781 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
7782 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n

```




```

7783         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
7784         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
7785         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
7786         \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
7787         \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
7788         \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
7789         \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
7790         \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
7791         \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
7792     }{%
7793         \biditytfloatError{You may only call \string\morefloats\space twice. See the\Message
7794         {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or
7795     }%
7796 }%
7797 }
7798 \newboolean{@biditytfloat@packages@subfigure}
7799 \setboolean{@biditytfloat@packages@subfigure}{false}
7800 \AtBeginDocument{%
7801   \ifpackageloaded{subfigure}
7802     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
7803     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
7804 }
7805 \AtBeginDocument{%
7806   \ifpackageloaded{float}{%
7807     % Save the redefined float environment (instead of the LaTeX float environment)
7808     \let\@biditytfloat@orig@float\@float
7809     \let\@biditytfloat@orig@endfloat\endfloat
7810
7811     % Define Tuftian float styles (with the caption in the margin)
7812     \newcommand{\floatc@biditytfloatplain}[2]{%
7813       \begin{lrbox}{\@biditytfloat@caption@box}%
7814         \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
7815           \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
7816         \end{minipage}%
7817       \end{lrbox}%
7818       \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
7819   }
7820   \newcommand{\fs@biditytfloatplain}{%
7821     \def\@fs@cfont{\@biditytfloat@caption@font}%
7822     \let\@fs@capt\floatc@biditytfloatplain%
7823     \def\@fs@pre{}%
7824     \def\@fs@post{}%
7825     \def\@fs@mid{}%
7826     \let\@fs@iftopcapt\iftrue%
7827   }
7828   \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
7829   \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
7830   \newcommand\floatc@biditytfloatruled[2]{%
7831     {\@fs@cfont #1} #2\par%
7832   }
7833   \newcommand\fs@biditytfloatruled{%
7834     \def\@fs@cfont{\@biditytfloat@caption@font}%
7835     \let\@fs@capt\floatc@biditytfloatplain%
7836     \def\@fs@pre{\hrule height .8pt depth0pt width\textwidth \kern2pt}%

```



```

7837     \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
7838     \def\@fs@mid{}%
7839     \let\@fs@iftopcapt\iftrue%
7840 }
7841 \newcommand\fs@bidituftefloatboxed{%
7842     \def\@fs@cfont{}%
7843     \let\@fs@capt\floatc@bidituftefloatplain%
7844     \def\@fs@pre{%
7845         \setbox\@currbox\vbox{\hbadness10000
7846         \moveleft3.4pt\vbox{\advance\hsize by6.8pt
7847         \hrule \hbox to\hsize{\vrule\kern3pt
7848         \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
7849     }%
7850     \def\@fs@mid{\kern2pt}%
7851     \def\@fs@post{}%
7852     \let\@fs@iftopcapt\iftrue%
7853 }
7854 }{%
7855     % Nothing to do
7856 }
7857 }
7858 \AtBeginDocument{%
7859     \@ifpackageloaded{algorithm}{%
7860         % Set the float style to the Tuftian version
7861         \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\AL
7862         \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBrea
7863         \floatstyle{bidituftefloat\ALG@floatstyle}%
7864         \restylefloat{algorithm}%
7865     }{}}%
7866 }{%
7867     % Nothing to do
7868 }
7869 }
7870 \PassOptionsToPackage{caption=false}{subfig}

```

54 File bidituftesidenote.sty

```

7871 \NeedsTeXFormat{LaTeX2e}
7872 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
7873 bidi implementation of tufte sidenote]
7874 \RequirePackage{xifthen}
7875 \RequirePackage{ragged2e}
7876 \RequirePackage{setspace}
7877 \RequirePackage{biditools}
7878 \def\bidituftesidenotemarginpar{%
7879     \ifhmode
7880         \@bsphack
7881         \@floatpenalty -\@Mii
7882     \else
7883         \@floatpenalty-\@Miii
7884     \fi
7885     \ifinner
7886         \@parmoderr
7887         \@floatpenalty\z@

```



```

7888 \else
7889   \@next\@currbox\@freelist{}{}%
7890   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7891   {\@floatpenalty\z@
7892     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7893 \fi
7894 \@ifnextchar [\@bidityftesidenotexmpar\@bidityftesidenoteympar}
7895 \long\def\@bidityftesidenotexmpar[#1]#2{%
7896   \@bidityftesidenotesavemarbox\@marbox{#1}%
7897   \@bidityftesidenotesavemarbox\@currbox{#2}%
7898   \@xympar}
7899 \long\def\@bidityftesidenoteympar#1{%
7900   \@bidityftesidenotesavemarbox\@marbox{#1}%
7901   \global\setbox\@currbox\copy\@marbox
7902   \@xympar}
7903 \long\def \@bidityftesidenotesavemarbox #1#2{%
7904   \global\setbox #1%
7905     \color@vbox
7906     \vtop{%
7907       \hsize\marginparwidth
7908       \@parboxrestore
7909       \@bidityftesidenotemarginparreset
7910       #2%
7911       \@minipagefalse
7912       \outer@nobreak
7913     }%
7914   \color@endbox
7915 }
7916 \def \@bidityftesidenotemarginparreset {%
7917   \reset@font
7918   \normalsize
7919   \@minipagetrue
7920   \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
7921 }
7922 \def\LTRbidityftesidenotemarginpar{%
7923   \ifhmode
7924     \@bsphack
7925     \@floatpenalty -\@Mii
7926   \else
7927     \@floatpenalty-\@Miii
7928   \fi
7929   \ifinner
7930     \@parmoderr
7931     \@floatpenalty\z@
7932   \else
7933     \@next\@currbox\@freelist{}{}%
7934     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7935     {\@floatpenalty\z@
7936       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7937   \fi
7938   \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
7939 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
7940   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7941   \@LTRbidityftesidenotesavemarbox\@currbox{#2}%

```



```

7942 \@xympar}
7943 \long\def\@LTRbidityftesidenoteympar#1{%
7944 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7945 \global\setbox\@currbox\copy\@marbox
7946 \@xympar}
7947 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
7948 \global\setbox #1%
7949 \color@vbox
7950 \vtop{%
7951 \hsize\marginparwidth
7952 \@parboxrestore
7953 \@LTRbidityftesidenotemarginparreset
7954 #2%
7955 \@minipagefalse
7956 \outer@nobreak
7957 }%
7958 \color@endbox
7959 }
7960 \def \@LTRbidityftesidenotemarginparreset {%
7961 \reset@font
7962 \normalsize
7963 \@minipagetrue
7964 \everypar{\@minipagefalse\everypar{}\beginL}%
7965 }
7966 \def\RTLbidityftesidenotemarginpar{%
7967 \ifhmode
7968 \@bsphack
7969 \@floatpenalty -\@Mii
7970 \else
7971 \@floatpenalty-\@Miii
7972 \fi
7973 \ifinner
7974 \@parmoderr
7975 \@floatpenalty\z@
7976 \else
7977 \@next\@currbox\@freelist{}{}%
7978 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7979 {\@floatpenalty\z@
7980 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
7981 \fi
7982 \ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
7983 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
7984 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
7985 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
7986 \@xympar}
7987 \long\def\@RTLbidityftesidenoteympar#1{%
7988 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
7989 \global\setbox\@currbox\copy\@marbox
7990 \@xympar}
7991 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
7992 \global\setbox #1%
7993 \color@vbox
7994 \vtop{%
7995 \hsize\marginparwidth

```



```

7996         \@parboxrestore
7997         \@RTLbidituftesidenotemarginparreset
7998         #2%
7999         \@minipagefalse
8000         \outer@nobreak
8001         }%
8002     \color@endbox
8003 }
8004 \def \@RTLbidituftesidenotemarginparreset {%
8005     \reset@font
8006     \normalsize
8007     \@minipagetrue
8008     \everypar{\@minipagefalse\everypar{ }\beginR}%
8009 }
8010 \newcommand*{\@bidituftesidenote@marginfont}{\normalfont\footnotesize}
8011 \newcommand*{\@bidituftesidenote@LTRmarginfont}{\normalfont\footnotesize}
8012 \newcommand*{\@bidituftesidenote@RTLmarginfont}{\normalfont\footnotesize}
8013 \newcommand*{\@bidituftesidenote@sidenote@font}{\@bidituftesidenote@marginfont}
8014 \newcommand*{\@bidituftesidenote@LTRsidenote@font}{\@bidituftesidenote@LTRmarginfont}
8015 \newcommand*{\@bidituftesidenote@RTLSidenote@font}{\@bidituftesidenote@RTLmarginfont}
8016 \newcommand*{\@bidituftesidenote@marginnote@font}{\@bidituftesidenote@marginfont}
8017 \newcommand*{\@bidituftesidenote@LTRmarginnote@font}{\@bidituftesidenote@LTRmarginfont}
8018 \newcommand*{\@bidituftesidenote@RTLmarginnote@font}{\@bidituftesidenote@RTLmarginfont}
8019 \newcommand*{\@bidituftesidenote@citation@font}{\@bidituftesidenote@marginfont}
8020 \newcommand*{\@bidituftesidenote@LTRcitation@font}{\@bidituftesidenote@LTRmarginfont}
8021 \newcommand*{\@bidituftesidenote@RTLCitation@font}{\@bidituftesidenote@RTLmarginfont}
8022 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidituftesidenote@sidenote@font}{#1}}
8023 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidituftesidenote@LTRsidenote@font}{#1}}
8024 \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidituftesidenote@RTLSidenote@font}{#1}}
8025 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidituftesidenote@marginnote@font}{#1}}
8026 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidituftesidenote@LTRmarginnote@font}{#1}}
8027 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidituftesidenote@RTLmarginnote@font}{#1}}
8028 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidituftesidenote@citation@font}{#1}}
8029 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidituftesidenote@LTRcitation@font}{#1}}
8030 \newcommand*{\setRTLCitationfont}[1]{\renewcommand*{\@bidituftesidenote@RTLCitation@font}{#1}}
8031 \newcommand*{\@bidituftesidenote@sidenote@justification}{\@bidituftesidenote@justification@autodetect}
8032 \newcommand*{\@bidituftesidenote@marginnote@justification}{\@bidituftesidenote@justification@autodetect}
8033 \newcommand*{\@bidituftesidenote@citation@justification}{\@bidituftesidenote@justification@autodetect}
8034 \newcommand*{\@bidituftesidenote@justification@autodetect}{\justifying}%
8035 \newcommand{\@bidituftesidenote@margin@par}{%
8036     \setlength{\RaggedRightParindent}{0.5pc}%
8037     \setlength{\JustifyingParindent}{0.5pc}%
8038     \setlength{\parindent}{0.5pc}%
8039     \setlength{\parskip}{Opt}%
8040 }
8041 %%
8042 % Globally sets the length
8043 \@ifundefined{gsetlength}{%
8044 \newcommand*{gsetlength}[2]{%
8045     \setlength{#1}{#2}%
8046     \global#1=#1\relax%
8047 }%
8048 }{}
8049

```



```

8050 %%
8051 % A function that removes leading and trailing spaces from the supplied macro.
8052 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
8053 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
8054 % being trimmed of leading and trailing white space.
8055 \catcode\Q=3
8056 \def\@bidityftesidenote@trim@spaces#1{%
8057 % Use grouping to emulate a multi-token afterassignment queue
8058 \begingroup%
8059 % Put \toks 0 {' into the afterassignment queue
8060 \aftergroup\toks\aftergroup0\aftergroup{%
8061 % Apply \trimb to the replacement text of #1, adding a leading
8062 % \noexpand to prevent brace stripping and to serve another purpose
8063 % later.
8064 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
8065 % Transfer the trimmed text back into #1.
8066 \edef#1{\the\toks0}%
8067 }
8068 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
8069 % clean up any leftover bizarre Qs, and trim a leading space. In
8070 % order for \trimc to work properly we need to put back a Q first.
8071 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
8072 % Execute \vfuzz assignment to remove leading space; the \noexpand
8073 % will now prevent unwanted expansion of a macro or other expandable
8074 % token at the beginning of the trimmed text. The \endgroup will feed
8075 % in the \aftergroup tokens after the \vfuzz assignment is completed.
8076 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
8077 \catcode\Q=11
8078 %%
8079 % Citations should go in the margin as sidenotes
8080
8081 \RequirePackage{natbib}
8082 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography env
8083 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
8084 \renewcommand\BR@b@bibitem[2] []{%
8085 \ifthenelse{\isempty{#1}}{%
8086 {\BR@bibitem{#2}}%
8087 {\BR@bibitem{#1}{#2}}%
8088 \BR@c@bibitem{#2}}%
8089 }
8090 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
8091 %%
8092 % Normal \cite behavior
8093 \newcounter{@bidityftesidenote@num@bibkeys}%
8094 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt] {%
8095 % Snag the last bibentry in the list for later comparison
8096 \let\@temp@last@bibkey\@empty%
8097 \for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8098 \sidenote[] [#1]{%
8099 % Loop through all the bibentries, separating them with semicolons and spaces
8100 \normalsize\normalfont\@bidityftesidenote@citation@font%
8101 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8102 \for\@temp@bibkeyx:=#2\do{%
8103 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%

```



```

8104         {\ifthenelse{\equal{\value{@biduftesidenote@num@bibkeys}}{0}}{\and\ }%
8105         \@biduftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8106         \bibentry{\@temp@bibkeyx}}%
8107         {\@biduftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8108         \bibentry{\@temp@bibkeyx};\ }%
8109         \stepcounter{@biduftesidenote@num@bibkeys}%
8110     }%
8111 }%
8112 }
8113 \newcommand{\@biduftelTRSidenote@normal@cite}[2][Opt]{%
8114 % Snag the last bibentry in the list for later comparison
8115 \let\@temp@last@bibkey\@empty%
8116 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8117 \LTRsidenote[][#1]{%
8118 % Loop through all the bibentries, separating them with semicolons and spaces
8119 \normalsize\normalfont\@biduftesidenote@LTRcitation@font%
8120 \setcounter{@biduftesidenote@num@bibkeys}{0}%
8121 \@for\@temp@bibkeyx:=#2\do{%
8122 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8123 {\ifthenelse{\equal{\value{@biduftesidenote@num@bibkeys}}{0}}{\and\ }%
8124 \@biduftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8125 \bibentry{\@temp@bibkeyx}}%
8126 {\@biduftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8127 \bibentry{\@temp@bibkeyx};\ }%
8128 \stepcounter{@biduftesidenote@num@bibkeys}%
8129 }%
8130 }%
8131 }
8132 \newcommand{\@biduftertLSidenote@normal@cite}[2][Opt]{%
8133 % Snag the last bibentry in the list for later comparison
8134 \let\@temp@last@bibkey\@empty%
8135 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
8136 \RTLSidenote[][#1]{%
8137 % Loop through all the bibentries, separating them with semicolons and spaces
8138 \normalsize\normalfont\@biduftesidenote@citation@font%
8139 \setcounter{@biduftesidenote@num@bibkeys}{0}%
8140 \@for\@temp@bibkeyx:=#2\do{%
8141 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8142 {\ifthenelse{\equal{\value{@biduftesidenote@num@bibkeys}}{0}}{\and\ }%
8143 \@biduftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8144 \bibentry{\@temp@bibkeyx}}%
8145 {\@biduftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8146 \bibentry{\@temp@bibkeyx};\ }%
8147 \stepcounter{@biduftesidenote@num@bibkeys}%
8148 }%
8149 }%
8150 }
8151 %%
8152 % Macros for holding the list of cite keys until after the \sidenote
8153 \gdef\@biduftesidenote@citations{}% list of cite keys
8154 \newcommand\@biduftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
8155 \ifx\@biduftesidenote@citations\@empty\else
8156 \g@addto@macro\@biduftesidenote@citations{,}% separate by commas
8157 \fi

```



```

8158 \g@addto@macro\@bidityftesidenote@citations{#1}
8159 }
8160 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin no
8161 % Snag the last bibentry in the list for later comparison
8162 \let\@temp@last@bibkey\@empty%
8163 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
8164 \marginpar{%
8165 \hbox{ }\vspace*{#1}%
8166 \@bidityftesidenote@citation@font%
8167 \@bidityftesidenote@citation@justification%
8168 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
8169 \vspace*{-1\baselineskip}%
8170 % Loop through all the bibentries, separating them with semicolons and spaces
8171 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
8172 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
8173 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
8174 {\ifthenelse{equal{value{@bidityftesidenote@num@bibkeys}}{0}}{-}{and\ }}%
8175 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8176 \bibentry{\@temp@bibkeyx}}%
8177 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
8178 \bibentry{\@temp@bibkeyx};\ }%
8179 \stepcounter{@bidityftesidenote@num@bibkeys}%
8180 }%
8181 }%
8182 }
8183 %%
8184 % \cite behavior when executed within a sidenote
8185 \newcommand{\@bidityftesidenote@sidenote@citations}{% contains list of \cites in sidenote
8186 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
8187 \@bidityftesidenote@add@citation{#1}
8188 }
8189 %%
8190 % Set the default \cite style. This is set and reset by the \sidenote command.
8191 \let\cite\@bidityftesidenote@normal@cite
8192 \let\LTRcite\@bidityftesidenote@normal@cite
8193 \let\RTLcite\@bidityftesidenote@normal@cite
8194 %%
8195 % Transform existing \footnotes into \sidenotes
8196 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
8197 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional argu
8198 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
8199 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
8200 % Override footmisc's definition to set the sidenote marks (numbers) inside the
8201 % sidenote's text block.
8202 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark#1{\@textsuperscript{\@bidityftesidenote
8203 % Set the in-text footnote mark in the same typeface as the body text itself.
8204 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnote
8205 \providecommand*\@multiplefootnotemark}{3sp}
8206 \providecommand*\@multfootsep}{,}
8207 \bidi@patch@AfterPackage{bidi}{%
8208 \renewcommand{\@footnotemark}{%
8209 \leavevmode%
8210 \ifhmode%
8211 \edef\@x@sf{\the\spacefactor}%

```




```

8212     \@bidituftesidenote@check@multiple@sidenotes%
8213     \nobreak%
8214     \fi%
8215     \@makefnmark%
8216     \ifhmode\spacefactor\@x@sf\fi%
8217     \relax%
8218 }%
8219 }
8220 \newcommand{\@bidituftesidenote@check@multiple@sidenotes}{%
8221     \ifdim\lastkern=\multiplefootnotemarker\relax%
8222         \edef\@x@sf{\the\spacefactor}%
8223         \unkern%
8224         \textsuperscript{\multfootsep}%
8225         \spacefactor\@x@sf\relax%
8226     \fi
8227 }
8228 \bidi@patch@AfterPackage{bidi}{%
8229 \renewcommand\@footnotetext[2][Opt]{%
8230     \bidituftesidenotemarginpar{%
8231         \hbox{ }\vspace*{#1}%
8232         \def\baselinestretch {\setspace@singlespace}%
8233         \reset@font%
8234         \bidi@@footnotetext@font% \reset@font\footnotesize%
8235         \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
8236         \vspace*{-1\baselineskip}\noindent%
8237         \protected@edef\@currentlabel{%
8238             \csname p@footnote\endcsname\@thefnmark%
8239         }%
8240         \color@begingroup%
8241             \@makefnmark%
8242             \ignorespaces#2%
8243         }%
8244         \color@endgroup%
8245     }%
8246 }%
8247 \renewcommand\@LTRfootnotetext[2][Opt]{%
8248     \LTRbidituftesidenotemarginpar{%
8249         \hbox{ }\vspace*{#1}%
8250         \def\baselinestretch {\setspace@singlespace}%
8251         \reset@font%
8252         \bidi@@LTRfootnotetext@font% \reset@font\footnotesize%
8253         \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
8254         \vspace*{-1\baselineskip}\noindent%
8255         \protected@edef\@currentlabel{%
8256             \csname p@footnote\endcsname\@thefnmark%
8257         }%
8258         \color@begingroup%
8259             \@makefnmark%
8260             \ignorespaces#2%
8261         }%
8262         \color@endgroup%
8263     }%
8264 }%
8265 \renewcommand\@RTLfootnotetext[2][Opt]{%

```



```

8266 \RTLbidituftesidenotemarginpar{%
8267   \hbox{}\vspace*{#1}%
8268   \def\baselinestretch {\setspace@singlespace}%
8269   \reset@font%
8270   \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
8271   \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
8272   \vspace*{-1\baselineskip}\noindent%
8273   \protected@edef\@currentlabel{%
8274     \csname p@footnote\endcsname\@thefnmark%
8275   }%
8276   \color@begingroup%
8277     \@makefntext{%
8278       \ignorespaces#2%
8279     }%
8280   \color@endgroup%
8281 }%
8282 }%
8283 }
8284 %
8285 % Define \sidenote command. Can handle \cite.
8286 \newlength{\@bidituftesidenote@sidenote@vertical@offset}
8287 \setlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}
8288 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
8289 \long\def\@bidituftesidenote@sidenote[#1][#2]#3{%
8290   \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
8291   \gdef\@bidituftesidenote@citations{}% clear out any old citations
8292   \ifthenelse{\NOT\isempty{#2}}{%
8293     \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
8294   }{%
8295     \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
8296   }%
8297   \ifthenelse{\isempty{#1}}{%
8298     % no specific footnote number provided
8299     \stepcounter\@mpfn%
8300     \protected@xdef\@thefnmark{\thempfn}%
8301     \@footnotemark\@footnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8302   }{%
8303     % specific footnote number provided
8304     \begingroup%
8305       \csname c@\@mpfn\endcsname #1\relax%
8306       \unrestored@protected@xdef\@thefnmark{\thempfn}%
8307     \endgroup%
8308     \@footnotemark\@footnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
8309   }%
8310   \@bidituftesidenote@print@citations% print any citations
8311   \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite comm
8312   \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTR
8313   \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTL
8314   \unskip\ignorespaces% remove extra white space
8315   \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
8316   \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8317 }
8318 \long\def\@LTRbidituftesidenote@sidenote[#1][#2]#3{%
8319   \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command

```



```

8320 \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8321 \ifthenelse{\NOT\isempty{#2}}{%
8322   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8323 }{%
8324   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8325 }%
8326 \ifthenelse{\isempty{#1}}{%
8327   % no specific footnote number provided
8328   \stepcounter\@mpfn%
8329   \protected@xdef\@thefnmark{\thempfn}%
8330   \@footnotemark\@LTRfootnotetext [\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8331 }{%
8332   % specific footnote number provided
8333   \begingroup%
8334     \csname c@\@mpfn\endcsname #1\relax%
8335     \unrestored@protected@xdef\@thefnmark{\thempfn}%
8336   \endgroup%
8337   \@footnotemark\@LTRfootnotetext [\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8338 }%
8339 \@bidityftesidenote@print@citations%           print any citations
8340 \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite comm
8341 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8342 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
8343 \unskip\ignorespaces%                          remove extra white space
8344 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
8345 \kern\multiplefootnotemarker\relax%            add new \kern here to replace the one we yanked
8346 }
8347 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
8348 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8349 \gdef\@bidityftesidenote@citations{}%           clear out any old citations
8350 \ifthenelse{\NOT\isempty{#2}}{%
8351   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
8352 }{%
8353   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
8354 }%
8355 \ifthenelse{\isempty{#1}}{%
8356   % no specific footnote number provided
8357   \stepcounter\@mpfn%
8358   \protected@xdef\@thefnmark{\thempfn}%
8359   \@footnotemark\@RTLfootnotetext [\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8360 }{%
8361   % specific footnote number provided
8362   \begingroup%
8363     \csname c@\@mpfn\endcsname #1\relax%
8364     \unrestored@protected@xdef\@thefnmark{\thempfn}%
8365   \endgroup%
8366   \@footnotemark\@RTLfootnotetext [\@bidityftesidenote@sidenote@vertical@offset]{#3}%
8367 }%
8368 \@bidityftesidenote@print@citations%           print any citations
8369 \let\cite\@bidityftesidenote@normal@cite%       go back to using normal in-text \cite comm
8370 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
8371 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
8372 \unskip\ignorespaces%                          remove extra white space
8373 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote

```



```

8374 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
8375 }
8376 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
8377 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
8378 \newcommand{\RTLsidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
8379 \bidi@patch@AfterPackage{bidi}{%
8380 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
8381 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
8382 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
8383 }
8384 %%
8385 % Sidenote without the footnote mark
8386 \newcommand\marginnote[2] [Opt]{%
8387 \let\cite@\bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8388 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8389 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
8390 \@bidityftesidenote@print@citations% print any citations
8391 \let\cite@\bidityftesidenote@normal@cite% go back to using normal in-text \cite command
8392 \let\LTRcite@\bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
8393 \let\RTLcite@\bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
8394 }
8395 \newcommand\LTRmarginnote [2] [Opt]{%
8396 \let\cite@\bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8397 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8398 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@print@citations%
8399 \@bidityftesidenote@print@citations% print any citations
8400 \let\cite@\bidityftesidenote@normal@cite% go back to using normal in-text \cite command
8401 \let\LTRcite@\bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
8402 \let\RTLcite@\bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
8403 }
8404 \newcommand\RTLMarginnote [2] [Opt]{%
8405 \let\cite@\bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
8406 \gdef\@bidityftesidenote@citations{}% clear out any old citations
8407 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLMarginnote@font\@bidityftesidenote@print@citations%
8408 \@bidityftesidenote@print@citations% print any citations
8409 \let\cite@\bidityftesidenote@normal@cite% go back to using normal in-text \cite command
8410 \let\LTRcite@\bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
8411 \let\RTLcite@\bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
8412 }

```

55 File bidityftetoc.sty

```

8413 \NeedsTeXFormat{LaTeX2e}
8414 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
8415 bidi implementation of tuftes toc]
8416 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
8417 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
8418 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
8419 %%
8420 % Turn off section numbering
8421 \setcounter{secnumdepth}{-1}
8422 \newboolean{\@bidityftetoc@toc}
8423 \setboolean{\@bidityftetoc@toc}{true}
8424 \DeclareOption{notoc}{\setboolean{\@bidityftetoc@toc}{false}}

```



```

8425 \DeclareOption{toc}{\setboolean{@biditytetoc@toc}{true}}
8426 \ProcessOptions
8427 %%
8428 % Make TufTian-style section headings and TOC formatting
8429 \bidi@patch@AfterPackage{bidi}{%
8430 \titleformat{\chapter}%
8431 [display]% shape
8432 {\relax\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\begin{fullwidth}}{}}% format
8433 {\itshape\huge\thechapter}% label
8434 {0pt}% horizontal separation between label and title body
8435 {\huge\rmfamily\itshape}% before the title body
8436 [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}}% after the title
8437 \titleformat{\section}%
8438 [hang]% shape
8439 {\normalfont\Large\itshape}% format applied to label+text
8440 {\thesection}% label
8441 {1em}% horizontal separation between label and title body
8442 {}% before the title body
8443 []% after the title body
8444 \titleformat{\subsection}%
8445 [hang]% shape
8446 {\normalfont\large\itshape}% format applied to label+text
8447 {\thesubsection}% label
8448 {1em}% horizontal separation between label and title body
8449 {}% before the title body
8450 []% after the title body
8451 \titleformat{\paragraph}%
8452 [runin]% shape
8453 {\normalfont\itshape}% format applied to label+text
8454 {\theparagraph}% label
8455 {1em}% horizontal separation between label and title body
8456 {}% before the title body
8457 []% after the title body
8458 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
8459 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
8460 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
8461 }
8462 % Subsubsection and following section headings shouldn't be used.
8463 % See Bringhurst's The Elements of Typography, section 4.2.2.
8464 \renewcommand\subsubsection{%
8465 \biditytetocError{\noexpand\subsubsection is undefined by this class.%
8466 \MessageBreak See Robert Bringhurst's The Elements of
8467 \MessageBreak Typographic Style, section 4.2.2.
8468 \MessageBreak \noexpand\subsubsection was used}
8469 {From Bringhurst's The Elements of Typographic Style, section 4.2.2: Use as
8470 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8471 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
8472 }
8473 \renewcommand\subparagraph{%
8474 \biditytetocError{\noexpand\subparagraph is undefined by this class.%
8475 \MessageBreak See Robert Bringhurst's The Elements of
8476 \MessageBreak Typographic Style, section 4.2.2.
8477 \MessageBreak \noexpand\subparagraph was used}
8478 {From Bringhurst's The Elements of Typographic Style, section 4.2.2: Use as

```



```

8479 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
8480 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
8481 }
8482 % Formatting for main TOC (printed in front matter)
8483 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
8484 \ifthenelse{\boolean{@biditytetoc@toc}}{%
8485 \bidi@patch@AfterPackage{bidi}{%
8486 \titlecontents{part}% FIXME
8487 [0em] % distance from left margin
8488 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
8489 {\contentslabel{2em}} % before w/label (label = ``II'')
8490 {} % before w/o label
8491 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8492 [\end{fullwidth}] % after
8493 \titlecontents{chapter}%
8494 [0em] % distance from left margin
8495 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
8496 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
8497 {\hspace*{0em}} % before w/o label
8498 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8499 [\end{fullwidth}] % after
8500 \titlecontents{section}% FIXME
8501 [0em] % distance from left margin
8502 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
8503 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
8504 {\hspace*{2em}} % before w/o label
8505 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8506 [\end{fullwidth}] % after
8507 \titlecontents{subsection}% FIXME
8508 [0em] % distance from left margin
8509 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
8510 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
8511 {\hspace*{4em}} % before w/o label
8512 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8513 [\end{fullwidth}] % after
8514 \titlecontents{paragraph}% FIXME
8515 [0em] % distance from left margin
8516 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global f
8517 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
8518 {\hspace*{6em}} % before w/o label
8519 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
8520 [\end{fullwidth}] % after
8521 }%
8522 }{}
8523 %%
8524 % Format lists of figures/tables
8525 \renewcommand\listoffigures{%
8526 \@ifundefined{chapter}%
8527 {\section*{\listfigurename}}%
8528 {\chapter*{\listfigurename}}%
8529 % \begin{fullwidth}%
8530 % \@starttoc{lof}%
8531 % \end{fullwidth}%
8532 }

```



```

8533 \renewcommand\listoftables{%
8534   \@ifundefined{chapter}%
8535     {\section*{\listtablename}}%
8536     {\chapter*{\listtablename}}%
8537 % \begin{fullwidth}%
8538   \@starttoc{lot}%
8539 % \end{fullwidth}%
8540 }
8541 \newcommand{\@biditytetoc@lof@line}[2]{%
8542   % #1 is the figure/table number and its caption text
8543   % #2 is the page number on which the figure/table appears
8544   \leftskip 0.0em
8545   \rightskip 0em
8546   \parfillskip 0em plus 1fil
8547   \parindent 0.0em
8548   \@afterindenttrue
8549   \interlinepenalty\@M
8550   \leavevmode
8551   \@tempdima 2.0em
8552   \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
8553   \null\nobreak\hskip -\ifRTL\rightskip\else\leftskip\fi
8554   {#1}\nobreak\quad\nobreak#2%
8555   \par%
8556 }
8557 \renewcommand*\l@figure{\@biditytetoc@lof@line}
8558 \let\l@table\l@figure

```

56 File `bidituftegeneralstructure.sty`

```

8559 \NeedsTeXFormat{LaTeX2e}
8560 \ProvidesPackage{bidituftegeneralstructure}[2011/06/18 v0.1
8561 bidi implementation of tufte general structure]
8562 \renewcommand\small{%
8563   \@setfontsize\small\@ixpt{12}%
8564   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
8565   \abovedisplayshortskip \z@ \@plus2\p@
8566   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
8567   \def\@listi{\leftmargin\leftmargini
8568             \topsep 4\p@ \@plus2\p@ \@minus2\p@
8569             \parsep 2\p@ \@plus\p@ \@minus\p@
8570             \itemsep \parsep}%
8571   \belowdisplayskip \abovedisplayskip
8572 }
8573 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viiipt}
8574 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vipt}
8575 \renewcommand\large{\@setfontsize\large\@xipt{15}}
8576 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
8577 \renewcommand\LARGE{\@setfontsize\LARGE\@xipt{18}}
8578 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
8579 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
8580 \setlength\leftmargini {1pc}
8581 \setlength\leftmarginii {1pc}
8582 \setlength\leftmarginiii {1pc}
8583 \setlength\leftmarginiv {1pc}

```



```

8584 \setlength\leftmarginv {1pc}
8585 \setlength\leftmarginvi {1pc}
8586 \setlength\labelsep {.5pc}
8587 \setlength\labelwidth {\leftmargini}
8588 \addtolength\labelwidth{-\labelsep}
8589 \setlength{\parindent}{1.0pc}%
8590 \setlength{\parskip}{0pt}%
8591 \RequirePackage{ragged2e}
8592 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
8593 % Paragraph indentation and separation for normal text
8594 \newcommand{\@biditytgeneralstructure@reset@par}{%
8595 \setlength{\RaggedRightParindent}{1.0pc}%
8596 \setlength{\JustifyingParindent}{1.0pc}%
8597 \setlength{\parindent}{1pc}%
8598 \setlength{\parskip}{0pt}%
8599 }
8600 \@biditytgeneralstructure@reset@par
8601 % Require paralist package for tighter lists
8602 \RequirePackage{paralist}
8603 % Add rightmargin to compactenum
8604 \def\@compactenum@{%
8605 \expandafter\list\csname label\@enumctr\endcsname{%
8606 \usecounter{\@enumctr}%
8607 \rightmargin=2em% added this
8608 \parsep\plparsep
8609 \itemsep\plitemsep
8610 \topsep\pltopsep
8611 \partopsep\plpartopsep
8612 \def\makelabel##1{\hss\llap{##1}}}}
8613 %%
8614 % An environment for paragraph-style section
8615 \providecommand\newthought[1]{%
8616 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
8617 \noindent\textbf{#1}%
8618 }
8619 %%
8620 % Redefine the display environments (quote, quotation, etc.)
8621 \renewenvironment{verse}
8622 {\let\@centercr
8623 \list{}{\itemsep \z@
8624 \itemindent -1pc%
8625 \listparindent\itemindent
8626 \rightmargin \leftmargin
8627 \advance\leftmargin 1pc}%
8628 \small%
8629 \item\relax}
8630 {\endlist}
8631 \renewenvironment{quotation}
8632 {\list{}{\listparindent 1pc%
8633 \itemindent \listparindent
8634 \rightmargin \leftmargin
8635 \parsep \z@ \@plus\p@}%
8636 \small%
8637 \item\relax\noindent\ignorespaces}

```




```

8638             {\endlist}
8639 \renewenvironment{quote}
8640             {\list{}{\rightmargin\leftmargin}%
8641              \small%
8642              \item\relax}
8643             {\endlist}
8644 % Italicize description run-in headings (instead of the default bold)
8645 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}}
8646 %%
8647 % Redefine \bibsection to not mark the running heads.
8648 % (Code modified from natbib.sty.)
8649 \@ifundefined{chapter}%
8650   {\renewcommand\bibsection{\section*{\refname}}}
8651   {\@ifundefined{NAT@sectionbib}%
8652     {\renewcommand\bibsection{\chapter{\bibname}}}
8653     {\renewcommand\bibsection{\section*{\bibname}}}}
8654 \RequirePackage{multicol}
8655 \renewenvironment{theindex}{%
8656 \@ifundefined{chapter}%
8657   {\section*{\indexname}}%
8658   {\chapter{\indexname}}%
8659 \begin{fullwidth}%
8660 \small%
8661 \parskip0pt%
8662 \parindent0pt%
8663 \let\item\@idxitem%
8664 \begin{multicols}{3}%
8665 }{%
8666 \end{multicols}%
8667 \end{fullwidth}%
8668 }
8669 \AtBeginDocument{%
8670 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
8671 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
8672 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
8673 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
8674 \newcommand{\lettergroup}[1]{% swallow the letter heading in the index

```

57 File `bidituftehyperref.sty`

```

8675 \NeedsTeXFormat{LaTeX2e}
8676 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
8677 bidi implementation of tufte hyperref]
8678 %%
8679 % Color
8680 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
8681 \newboolean{@bidituftehyperref@loadhyper}
8682 \setboolean{@bidituftehyperref@loadhyper}{true}
8683 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
8684 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
8685 \ProcessOptions
8686 %% Loads the hyperref package and sets some default options.
8687 \newcommand{\bidituftehyperrefLoadHyperref}{%
8688 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}

```



```

8689 \hypersetup{%
8690     bookmarksdepth = section,
8691     citecolor = DarkGreen,
8692     linkcolor = DarkBlue,
8693 %     pagecolor = DarkBlue,
8694     urlcolor = DarkGreen,
8695 }%
8696 }
8697 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
8698     \bidituftehyperrefLoadHyperref%
8699 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
8700     \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
8701 }

```

58 File bidituftetitle.sty

```

8702 \NeedsTeXFormat{LaTeX2e}
8703 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
8704 bidi implementation of tufte title]
8705 \RequirePackage{biditools}
8706 %%
8707 % `titlepage' option -- creates a full title page with \maketitle
8708 \newboolean{@bidituftetitle@titlepage}
8709 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
8710 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
8711 % Default `book' and `handout' options
8712 \@ifclassloaded{book}{%
8713 \ExecuteOptions{titlepage}}{%
8714 \@ifclassloaded{article}{%
8715 \ExecuteOptions{notitlepage}}%
8716 {}}
8717 \ProcessOptions
8718 %%
8719 % Modified \title, \author, and \date commands. These store the
8720 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
8721 \newcommand{\plaintitle}{}% plain-text-only title
8722 \newcommand{\plainauthor}{}% plain-text-only author
8723 \newcommand{\plainpublisher}{}% plain-text-only publisher
8724 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
8725 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
8726 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
8727 \newcommand{\@publisher}{}% full publisher with \thanks{}
8728 \newcommand{\thedata}{\today}
8729 \bidi@patch@AfterPackage{bidi}{%
8730 \renewcommand{\thanks}[1]{\footnote{#1}}
8731 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
8732 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
8733 }
8734 \renewcommand{\title}[2][]{%
8735     \gdef\@title{#2}%
8736     \begingroup%
8737     % TODO store contents of \thanks command
8738     \renewcommand{\thanks}[1]{}% swallow \thanks contents
8739     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents

```



```

8740 \renewcommand{\RTLthanks}[1]{% swallow \RTLthanks contents
8741 \protected@xdef\thanklesstitle{#2}%
8742 \endgroup%
8743 \ifthenelse{\isempty{#1}}%
8744 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
8745 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
8746 \@ifundefined{hypersetup}%
8747 {}% hyperref is not loaded; do nothing
8748 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
8749 }
8750 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
8751 \renewcommand{\author}[2][]{%
8752 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
8753 \begingroup%
8754 % TODO store contents of \thanks command
8755 \renewcommand{\thanks}[1]{% swallow \thanks contents
8756 \renewcommand{\LTRthanks}[1]{% swallow \LTRthanks contents
8757 \renewcommand{\RTLthanks}[1]{% swallow \RTLthanks contents
8758 \protected@xdef\thanklessauthor{#2}%
8759 \endgroup%
8760 \ifthenelse{\isempty{#1}}%
8761 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
8762 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
8763 \@ifundefined{hypersetup}%
8764 {}% hyperref is not loaded; do nothing
8765 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
8766 }
8767 \renewcommand{\date}[1]{%
8768 \gdef\@date{#1}%
8769 \begingroup%
8770 % TODO store contents of \thanks command
8771 \renewcommand{\thanks}[1]{% swallow \thanks contents
8772 \renewcommand{\LTRthanks}[1]{% swallow \LTRthanks contents
8773 \renewcommand{\RTLthanks}[1]{% swallow \RTLthanks contents
8774 \protected@xdef\thedate{#1}%
8775 \endgroup%
8776 }
8777 %%
8778 % Provides a \publisher command to set the publisher
8779 \newcommand{\publisher}[2][]{%
8780 \gdef\@publisher{#2}%
8781 \begingroup%
8782 \renewcommand{\thanks}[1]{% swallow \thanks contents
8783 \renewcommand{\LTRthanks}[1]{% swallow \LTRthanks contents
8784 \renewcommand{\RTLthanks}[1]{% swallow \RTLthanks contents
8785 \protected@xdef\thanklesspublisher{#2}%
8786 \endgroup%
8787 \ifthenelse{\isempty{#1}}
8788 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
8789 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
8790 }
8791 %%
8792 % Produces a full title page
8793 \newcommand{\maketitlepage}[0]{%

```



```

8794 \cleardoublepage%
8795 {%
8796 \bfseries%
8797 \begin{fullwidth}%
8798 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
8799 \vspace{11.5pc}%
8800 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
8801 \vfill%
8802 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
8803 \end{fullwidth}%
8804 }
8805 \thispagestyle{empty}%
8806 \clearpage%
8807 }
8808 %%
8809 % Title block
8810 \bidi@AfterEndPreamble{%
8811 \renewcommand{\maketitle}{%
8812 \newpage%
8813 \global\@topnum\z@% prevent floats from being placed at the top of the page
8814 \begin{group}%
8815 \setlength{\parindent}{0pt}%
8816 \setlength{\parskip}{4pt}%
8817 \let\@title\@empty%
8818 \let\@author\@empty%
8819 \let\@date\@empty%
8820 \gdef\@title{\LARGE\itshape\@title\par}%
8821 \gdef\@author{\Large\itshape\@author\par}%
8822 \gdef\@date{\Large\itshape\@date\par}%
8823 \@title%
8824 \@author%
8825 \@date%
8826 \end{group}%
8827 \thispagestyle{plain}% suppress the running head
8828 }%
8829 }
8830 %%
8831 % Title page (if the `titlepage' option was passed to the bidentuftetitle-handout
8832 % class.)
8833 \bidi@AfterEndPreamble{%
8834 \ifthenelse{\boolean{@bidentuftetitle@titlepage}}
8835 {\renewcommand{\maketitle}{\maketitlepage}}
8836 {}
8837 }
8838 %%
8839 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
8840 % without headers and footers
8841 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
8842 \hbox{}
8843 \vspace*{\fill}
8844 \begin{center}
8845 % This page intentionally contains only this sentence.
8846 \end{center}
8847 \vspace{\fill}

```



```

8848 \thispagestyle{empty}
8849 \newpage
8850 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

59 File `biditufte-handout.cls`

```

8851 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8852 \ProvidesClass{biditufte-handout}[2011/06/18 v0.1 biditufte-handout class]
8853 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
8854 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
8855 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditufтетoc}}
8856 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
8857 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditufтетitle}}
8858 \ProcessOptions\relax
8859 \LoadClass{article}
8860 \RequirePackage{bidituftefloat}
8861 \RequirePackage{bidituftesidenote}
8862 \RequirePackage{biditufтетoc}
8863 \RequirePackage{bidituftegeneralstructure}
8864 \RequirePackage{bidituftehyperref}
8865 \RequirePackage{biditufтетitle}
8866 \renewenvironment{abstract}
8867   {\begin{quotation}}
8868   {\end{quotation}}
8869 \AtBeginDocument{%
8870 \IfFileExists{biditufte-handout.cfg}
8871   {\input{biditufte-handout.cfg}
8872     \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
8873   {}}%
8874 }

```

60 File `biditufte-book.cls`

```

8875 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
8876 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
8877 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
8878 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
8879 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditufтетoc}}
8880 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
8881 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditufтетitle}}
8882 \ProcessOptions\relax
8883 \LoadClass{book}
8884 \RequirePackage{bidituftefloat}
8885 \RequirePackage{bidituftesidenote}
8886 \RequirePackage{biditufтетoc}
8887 \RequirePackage{bidituftegeneralstructure}
8888 \RequirePackage{bidituftehyperref}
8889 \RequirePackage{biditufтетitle}
8890 %%
8891 % Set up any book-specific stuff now
8892 %%
8893 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
8894 % to the opening page of Chapter 1. The running heads, when they appear,
8895 % contain only the (arabic) page number in the outside corner.

```



```

8896 %\newif\if@mainmatter \@mainmattertrue
8897 \renewcommand\frontmatter{%
8898   \cleardoublepage%
8899   \@mainmatterfalse%
8900   \pagenumbering{arabic}%
8901   %\pagestyle{plain}%
8902   \fancyhf{}%
8903   \ifthenelse{\boolean{@biditytfloat@twoside}}%
8904     {\fancyhead[LE,RO]{\thepage}}%
8905     {\fancyhead[RE,RO]{\thepage}}%
8906 }
8907 %%
8908 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
8909 % numbering---it continues where it left off in the front matter.
8910 \renewcommand\mainmatter{%
8911   \cleardoublepage%
8912   \@mainmattertrue%
8913   \fancyhf{}%
8914   \ifthenelse{\boolean{@biditytfloat@twoside}}%
8915     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}%
8916     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
8917     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
8918     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
8919 }
8920 %%
8921 % The back matter contains appendices, indices, glossaries, endnotes,
8922 % bibliographies, list of contributors, illustration credits, etc.
8923 \renewcommand\backmatter{%
8924   \if@openright%
8925     \cleardoublepage%
8926   \else%
8927     \clearpage%
8928   \fi%
8929   \@mainmatterfalse%
8930 }
8931 %%
8932 % Only show the chapter titles in the table of contents
8933 \setcounter{tocdepth}{0}
8934 \AtBeginDocument{%
8935   \IfFileExists{biditytfe-book.cfg}
8936     {\input{biditytfe-book.cfg}
8937     \ClassInfo{biditytfe-book}{Loading biditytfe-book configuration file \@gobble}}
8938   {}%
8939 }

```

61 File bidipoem.sty

```

8940 \NeedsTeXFormat{LaTeX2e}
8941 \ProvidesPackage{bidipoem}%
8942 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
8943
8944 % Usage:
8945 %
8946 % \Setversedim #1#2   % define the layout (within a group):

```



```

8947 % #1 = length of both half-verses
8948 % #2 = separation distance = length of a connection, if present
8949 % Variant:
8950 % \Setversedim #1[#2]#3 % for half-verses of unequal length
8951 % #1 = length of first (=right) half-verse
8952 % #2 = length of second (=left) half-verse
8953 % #3 = separation distance = length of a connection, if present
8954 %
8955 % \traditionalhalfverses #1#2 % typeset two separated half-verses
8956 % #1 = text of first (=right) half-verse
8957 % #2 = text of second (=left) half-verse
8958 % Variant:
8959 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
8960 % #1 = text of first (=right) half-verse
8961 % #2 = text of connection
8962 % #3 = text of second (=left) half-verse
8963 %
8964 % Alternative (if preferred):
8965 %
8966 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
8967
8968
8969 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
8970
8971 % define the layout, verses will be centered
8972
8973 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
8974 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
8975
8976 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
8977 \bidipoem@hvind \textwidth
8978 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
8979 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []\else
8980 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem
8981
8982 \def \bidipoem@set@verseI [#1]{% optional parameter
8983 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
8984
8985 \newcommand*{\bidipoem@set@@verse}[1]{% separation
8986 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
8987 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
8988
8989 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
8990 \ifdim Opt > \bidipoem@hvind %
8991 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
8992 \else
8993 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
8994 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
8995 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
8996 \par }
8997
8998 % macro for two half verses
8999 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
9000 \ifx [#2\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%

```



```

9001 \else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
9002 \bidipoem@half@verses@next}
9003
9004 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
9005 \traditionalconnverses {#1}{#2}{#3}}
9006
9007
9008 {\catcode\^^M=\active % these lines must end with %
9009 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
9010 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
9011 {\catcode\^^M=\active % these lines must end with %
9012 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
9013 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
9014 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
9015 \def\poemmarginskip{1em plus 1fil minus 1em}
9016 \def\poemextrabaseskip{0\baselineskip}
9017 \def\poemskip{\medskip}
9018 \newcommand{\bidipoem@openbox}{\leavevmode
9019 \hbox to.77778em{%
9020 \hfil\vrule
9021 \vbox to.675em{\hrule width.6em\vfil\hrule}%
9022 \vrule\hfil}}
9023 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
9024 \newdimen\versewidth
9025 \newtoks\bidipoem@p@ftn
9026 \def\poem@verse#1{%
9027 \ifdim\wd#1>\new@poem@width
9028 \xdef\new@poem@width{\the\wd#1}%
9029 \ifdim\new@poem@width>\poem@width
9030 \xdef\poem@width{\new@poem@width}%
9031 \global\let\poem@needrun\relax
9032 \fi
9033 \fi
9034 \hbox to\poem@width{\unhbox#1}%
9035 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
9036 }
9037 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmarginskip\relax}
9038 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
9039 \def\poem@lineversesep{%
9040 \nobreak
9041 \hskip\z@ plus 1filll%
9042 \penalty600%
9043 \hskip\poemcolsepskip
9044 \hskip\z@ plus -2filll%
9045 \vadjust{}}%
9046 \nobreak
9047 \hskip\z@ plus 1filll%
9048 }
9049 \def\poem@lineparsebegin{%
9050 \halign\bgroup
9051 \global\setbox\verse@i=\hbox{%
9052 \let\@footnotetext\bidipoem@p@ftntext%
9053 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9054 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%

```




```

9055 \let\@xfootnotenext\bidipoem@p@xftntext%
9056 \let\@xfootnote\bidipoem@p@xfootnote%
9057 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9058 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9059 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9060 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9061 \ignorespaces##\unskip}&&
9062 \global\setbox\verse@ii=\hbox{%
9063 \let\@footnotetext\bidipoem@p@ftntext%
9064 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9065 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9066 \let\@xfootnotenext\bidipoem@p@xftntext%
9067 \let\@xfootnote\bidipoem@p@xfootnote%
9068 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9069 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9070 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9071 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9072 \ignorespaces##\unskip}
9073 \cr
9074 }
9075 \def\poem@lineparseend{%
9076 \crr\egroup
9077 \vskip-\baselineskip
9078 }
9079 \def\traditionalpoem@cr{%
9080 \cr\poem@line
9081 }
9082 \newbox\verse@i
9083 \newbox\verse@ii
9084 \newif\ifpoem@started
9085
9086 \def\poem@line{%
9087 \poem@lineparseend
9088 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
9089 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
9090 \ifpoem@started
9091 \ifdim\wd\verse@ii>\z@\else
9092 \nopagebreak[3]
9093 \fi
9094 \leavevmode
9095 \poem@linebegin
9096 \poem@verse\verse@i
9097 \ifdim\wd\verse@ii>\z@
9098 \poem@lineversesep
9099 \poem@verse\verse@ii
9100 \fi
9101 \poem@lineend
9102 % \nopagebreak
9103 \par
9104 \vskip\poemextrabaselineskip
9105 \fi
9106 \poem@lineparsebegin
9107 }
9108 \def\@traditionalpoem{%

```



```

9109 \stepcounter{poem@no}
9110         \ifnum\max@poem@no<\number\c@poem@no%
9111 \xdef\poem@width{\z@}%
9112         \else
9113 \xdef\poem@width{\poem@prop{poem@width}}%
9114 \fi
9115 \xdef\new@poem@width{\z@}%
9116 \global\versewidth=\poem@width
9117 \poemskip\par
9118 \begingroup
9119 \tabskip=\z@
9120 \parskip=\z@
9121 \parindent=\z@
9122 \parfillskip=\z@
9123 \rightskip=\z@
9124 \leftskip=\z@
9125 \widowpenalty=10000% No break between verses of the same line.
9126 \clubpenalty=10000% Same as above. Not really needed.
9127 \def\newblock{\hfil\poemblocksep\hfil\null}%
9128 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
9129 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
9130 \global\poem@startedfalse
9131 \csname poem@obeylines\endcsname
9132 \let\poem@obeylines\relax
9133 \poem@lineparsebegin
9134 }
9135 \def\@endtraditionalpoem{%
9136 \cr
9137 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
9138 \noalign{%
9139 \skip0=\poemextrabaselineskip
9140 \vskip-\skip0
9141 \vskip-\baselineskip
9142 }%
9143 \fi\fi
9144 \poem@lineparseend
9145 \endgroup
9146 \par
9147 \vskip\baselineskip
9148 \poemskip
9149 \ifdim\new@poem@width<\poem@width
9150 \global\let\poem@needrun\relax
9151 \fi
9152         \poem@write@aux{poem@width@romannumeral\c@poem@no}{\new@poem@width}%
9153 \ifx\AtEndDocument\undefined\poem@finish\fi
9154 \@endparenv
9155 }
9156
9157
9158 \long\def\bidipoem@p@ftntext#1{%
9159 \edef\@temp{x\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
9160 \global\bidipoem@p@ftn\expandafter{\@temp{x#1}}}%
9161 \long\def\bidipoem@p@LTRftntext#1{%
9162 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}

```



```

9163 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
9164 \long\def\bidipoem@p@RTLftntext#1{%
9165 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname
9166 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}]}%
9167
9168 \long\def\bidipoem@p@xftntext[#1]#2{%
9169 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}
9170
9171 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
9172 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
9173
9174 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
9175 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
9176
9177 \def\bidipoem@p@xfootnote[#1]{%
9178 \begingroup
9179 \csname c@\@mpfn\endcsname #1\relax
9180 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9181 \endgroup
9182 \@footnotemark\bidipoem@p@xftntext[#1]}
9183
9184 \def\bidipoem@p@xLTRfootnote[#1]{%
9185 \begingroup
9186 \csname c@\@mpfn\endcsname #1\relax
9187 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9188 \endgroup
9189 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
9190
9191 \def\bidipoem@p@xRTLfootnote[#1]{%
9192 \begingroup
9193 \csname c@\@mpfn\endcsname #1\relax
9194 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9195 \endgroup
9196 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
9197
9198
9199
9200 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
9201 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obey
9202 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
9203 \def\poem@finish{%
9204 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
9205 \ifx\poem@needrun\relax
9206 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
9207 \global\let\poem@needrun\undefined
9208 \fi
9209 }
9210 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
9211 \newcounter{poem@no}\setcounter{poem@no}{\z@}
9212 \ifx\max@poem@no\undefined
9213 \def\max@poem@no{0}%
9214 \fi
9215 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
9216 \newcommand{\poem@write@aux}[2]{%

```



```

9217         \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
9218         \@x
9219     }
9220 \def\@modernpoem{%
9221 \par
9222 \begingroup
9223 \parskip=\z@
9224 \parindent=\z@
9225 \def\[\{\@settab\@tabplus\ignorespaces}%
9226 \def\]\{\@tabminus\ignorespaces}%
9227 \def\newblock{\poemblocksep}%
9228 \let\newpoem@tabcr\@tabcr
9229 \def\modernpoem@par{% Redefine \par for possible \obeylines
9230 \ifpoem@started\else
9231     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9232         \@stopfield
9233     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9234     \@contfield
9235 \fi
9236 \fi
9237 \ifpoem@started\newpoem@tabcr\fi}%
9238 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
9239 \global\poem@startedfalse
9240 \csname poem@obeylines\endcsname
9241 \let\poem@obeylines\relax
9242 \begin{tabbing}%
9243 }
9244 \def\@endmodernpoem{%
9245 \global\poem@startedfalse
9246 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
9247     \@stopfield
9248 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
9249 \@contfield
9250 \fi
9251 \ifpoem@started\else\let\@stopline\@stopfield\fi
9252 \end{tabbing}%
9253 \endgroup
9254 \par
9255 \if@nparlist \else
9256     \ifdim\lastskip >\z@
9257         \@tempskipa\lastskip \vskip -\lastskip
9258         \advance\@tempskipa\parskip \advance\@tempskipa -\outerparskip
9259         \vskip\@tempskipa
9260     \fi
9261     \@endparenv
9262 \fi
9263 }
9264 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
9265 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mode
9266 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
9267 \gdef\@startfield{%
9268 \global\setbox\@curfield\hbox\bgroup%
9269 \let\@footnotetext\bidipoem@p@ftntext%
9270 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%

```



```

9271 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9272 \let\@xfootnotenext\bidipoem@p@xftntext%
9273 \let\@xfootnote\bidipoem@p@xfootnote%
9274 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9275 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9276 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9277 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9278 \color@begingroup}
9279 \gdef\@stopfield{%
9280 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
9281 \gdef\@contfield{%
9282 \global\setbox\@curfield\hbox\bgroup}
9283 \let\@footnotetext\bidipoem@p@ftntext%
9284 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
9285 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
9286 \let\@xfootnotenext\bidipoem@p@xftntext%
9287 \let\@xfootnote\bidipoem@p@xfootnote%
9288 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
9289 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
9290 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
9291 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
9292 \color@begingroup\unhbox\@curfield}

```

62 File boek3-xetex-bidi.def

```

9293 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
9294 \renewenvironment{theindex}{%
9295 \if@twocolumn
9296 \@restonecolfalse
9297 \else
9298 \@restonecoltrue
9299 \fi
9300 \columnseprule \z@
9301 \columnsep 35\p@
9302 \twocolumn[\@makeschapterhead{\indexname}]%
9303 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
9304 \thispagestyle{plain}\parindent\z@
9305 \parskip\z@ \@plus .3\p@\relax
9306 \let\item\@idxitem
9307 }{%
9308 \if@restonecol\onecolumn\else\clearpage\fi}
9309 \renewcommand*\head@style{%
9310 \interlinepenalty \@M
9311 \hyphenpenalty=\@M \exhyphenpenalty=\@M
9312 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsizel\relax}
9313 \renewcommand*\@regtocline[3]{%
9314 \ifnum #1>\c@tocdepth
9315 \else
9316 \vskip\z@\@plus .2\p@
9317 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9318 \if@RTL\rightskip\else\leftskip\fi\unitindent
9319 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9320 \parfillskip\z@
9321 \@tempdima\unitindent

```



```

9322     \parindent\z@
9323     \leavevmode
9324     \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9325     \hskip 1em \nobreak{\slshape #3}\par
9326     }%
9327   \fi}
9328 \if@oldtoc
9329 \renewcommand*\l@part[2]{%
9330   \ifnum \c@tocdepth >-2\relax
9331     \addpenalty{-\@highpenalty}%
9332     \addvspace{2.25em \@plus\p@}%
9333     \begingroup
9334       \setlength\@tempdima{3em}%
9335       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9336       \parfillskip -\@pnumwidth
9337       {\leavevmode
9338         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9339         \nobreak
9340         \global\@nobreaktrue
9341         \everypar{\global\@nobreakfalse\everypar{}}%
9342       \endgroup
9343   \fi}
9344 \else
9345   \renewcommand*\l@part{%
9346     \ifnum \c@tocdepth >-2\relax
9347       \addpenalty{-\@highpenalty}%
9348       \addvspace{2.25em \@plus \p@}%
9349       \@regtocline{0}%
9350     \fi}
9351 \fi
9352 \if@oldtoc
9353 \renewcommand*\l@chapter[2]{%
9354   \addpenalty{-\@highpenalty}%
9355   \vskip 1.0em \@plus\p@
9356   \setlength\@tempdima{1.5em}%
9357   \begingroup
9358   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9359   \parfillskip -\@pnumwidth
9360   \leavevmode \bfseries
9361   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9362   \hskip -\if@RTL\rightskip\else\leftskip\fi
9363   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9364   \penalty\@highpenalty
9365   \endgroup}
9366 \else
9367   \renewcommand*\l@chapter{\@regtocline{0}}
9368 \fi
9369 \renewenvironment{abstract}{%
9370   \titlepage
9371   \null\vfil
9372   \section*\SectFont \abstractname}
9373   \noindent\ignorespaces}
9374   {\par\vfil\null\endtitlepage}
9375 \renewenvironment{thebibliography}[1]

```



```

9376 {\chapter*{\bibname}%
9377 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9378 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
9379 \bidi@thebibliography@font@hook%
9380 \list{\@biblabel{\@arabic\c@enumiv}}%
9381 {\settowidth\labelwidth{\@biblabel{#1}}%
9382 \leftmargin\labelwidth
9383 \advance\leftmargin\labelsep
9384 \@openbib@code
9385 \usecounter{enumiv}%
9386 \let\p@enumiv\@empty
9387 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9388 \sloppy\clubpenalty4000\widowpenalty4000%
9389 \sfcode`. \@m}
9390 {\def\@noitemerr
9391 {\@latex@warning{Empty `thebibliography' environment}}}%
9392 \endlist}
9393 \renewcommand*\left@footnoterule{%
9394 \kern-3\p@
9395 \kern.5\baselineskip
9396 \hrule\@width\unitindent
9397 \kern.4\baselineskip
9398 }
9399 \renewcommand*\right@footnoterule{%
9400 \kern-3\p@
9401 \kern.5\baselineskip
9402 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9403 \kern.4\baselineskip}
9404 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9405 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
9406 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9407 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
9408 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
9409 \renewcommand*\theequation{%
9410 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9411 \renewcommand*\thefigure{%
9412 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9413 \renewcommand*\thetable{%
9414 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9415 \renewcommand*\maketitle{%
9416 \begin{titlepage}%
9417 \let\footnotesize\small
9418 \let\right@footnoterule\relax
9419 \let\left@footnoterule\relax
9420 \let\textwidth@footnoterule\relax
9421 \let \footnote \thanks
9422 \long\def\@makefnitem##1{\parindent\z@
9423 \def\labelitemi{\textendash}\@revelabeltrue
9424 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9425 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9426 \if@compatibility\setcounter{page}{0}\fi
9427 \null\vfil
9428 \vskip 60\p@
9429 \begin{center}%

```



```

9430 \TitleFont
9431 {\LARGE \def\{\penalty -\@M}
9432 \if@allcaps
9433 \expandafter\uc@nothanks\@title\thanks\relax
9434 \else
9435 \@title
9436 \fi\par}%
9437 \vskip 3em%
9438 {\large
9439 \lineskip .75em \parindent\z@
9440 \begin{tabular}[t]{c}%
9441 \if@allcaps
9442 \expandafter\uc@authornothanks\@author\and\relax
9443 \else
9444 \@author
9445 \fi
9446 \end{tabular}\par}%
9447 \vskip 1.5em%
9448 {\large
9449 \if@allcaps
9450 \uppercase\expandafter{\@date}%
9451 \else
9452 \@date
9453 \fi\par}%
9454 \end{center}\par
9455 \@thanks
9456 \vfil\null
9457 \end{titlepage}%
9458 \setcounter{footnote}{0}%
9459 \global\let\thanks\relax
9460 \global\let\maketitle\relax
9461 \global\let\@thanks\@empty
9462 \global\let\@author\@empty
9463 \global\let\@title\@empty
9464 \global\let\@date\@empty
9465 \global\let\title\relax
9466 \global\let\author\relax
9467 \global\let\date\relax
9468 \global\let\and\relax
9469 }

```

63 File boek-xetex-bidi.def

```

9470 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
9471 \renewenvironment{theindex}{%
9472 \if@twocolumn
9473 \@restonecolfalse
9474 \else
9475 \@restonecoltrue
9476 \fi
9477 \columnseprule \z@
9478 \columnsep 35\p@
9479 \twocolumn[\@makeschapterhead{\indexname}]%
9480 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%

```




```

9481 \thispagestyle{plain}\parindent\z@
9482 \parskip\z@ \@plus .3\p@\relax
9483 \let\item\@idxitem
9484 }{%
9485 \if@restonecol\onecolumn\else\clearpage\fi}
9486 \renewcommand*\head@style{%
9487   \interlinepenalty \@M
9488   \hyphenpenalty=\@M \exhyphenpenalty=\@M
9489   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
9490 \renewcommand*\@regtocline[3]{%
9491   \ifnum #1>\c@tocdepth
9492   \else
9493     \vskip\z@\@plus.2\p@
9494     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
9495     \if@RTL\rightskip\else\leftskip\fi\unitindent
9496     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
9497     \parfillskip\z@
9498     \@tempdima\unitindent
9499     \parindent\z@
9500     \leavevmode
9501     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
9502     \hskip 1em \nobreak{\slshape #3}\par
9503     }%
9504   \fi}
9505 \if@oldtoc
9506 \renewcommand*\l@part[2]{%
9507   \ifnum \c@tocdepth >-2\relax
9508     \addpenalty{-\@highpenalty}%
9509     \addvspace{2.25em \@plus\p@}%
9510     \begingroup
9511     \setlength\@tempdima{3em}%
9512     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9513     \parfillskip -\@pnumwidth
9514     {\leavevmode
9515       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9516     \nobreak
9517     \global\@nobreaktrue
9518     \everypar{\global\@nobreakfalse\everypar{}}%
9519     \endgroup
9520   \fi}
9521 \else
9522   \renewcommand*\l@part{%
9523     \ifnum \c@tocdepth >-2\relax
9524       \addpenalty{-\@highpenalty}%
9525       \addvspace{2.25em \@plus \p@}%
9526       \@regtocline{0}%
9527     \fi}
9528 \fi
9529 \if@oldtoc
9530 \renewcommand*\l@chapter[2]{%
9531   \addpenalty{-\@highpenalty}%
9532   \vskip 1.0em \@plus\p@
9533   \setlength\@tempdima{1.5em}%
9534   \begingroup

```



```

9535 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9536 \parfillskip -\@pnumwidth
9537 \leavevmode \bfseries
9538 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9539 \hskip -\if@RTL\rightskip\else\leftskip\fi
9540 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9541 \penalty\@highpenalty
9542 \endgroup}
9543 \else
9544 \renewcommand*\l@chapter{\@regtocline{0}}
9545 \fi
9546 \renewcommand*\left@footnoterule{%
9547 \kern-3\p@
9548 \kern.5\baselineskip
9549 \hrule\@width\unitindent
9550 \kern.4\baselineskip
9551 }
9552 \renewcommand*\right@footnoterule{%
9553 \kern-3\p@
9554 \kern.5\baselineskip
9555 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
9556 \kern.4\baselineskip}
9557 \renewenvironment{abstract}{%
9558 \titlepage
9559 \null\vfil
9560 \section*\SectFont \abstractname}
9561 \noindent\ignorespaces}
9562 {\par\vfil\null\endtitlepage}
9563 \renewenvironment{thebibliography}[1]
9564 {\chapter*\bibname}%
9565 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9566 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9567 \bidi\@thebibliography@font@hook%
9568 \list{\@biblabel{\@arabic\c@enumiv}}%
9569 {\settowidth\labelwidth{\@biblabel{#1}}%
9570 \leftmargin\labelwidth
9571 \advance\leftmargin\labelsep
9572 \@openbib@code
9573 \usecounter{enumiv}%
9574 \let\p@enumiv\@empty
9575 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
9576 \sloppy\clubpenalty4000\widowpenalty4000%
9577 \sfcode\.\@m}
9578 {\def\@noitemerr
9579 {\@latex@warning{Empty `thebibliography' environment}}}%
9580 \endlist}
9581 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
9582 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
9583 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
9584 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
9585 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
9586 \renewcommand*\theequation{%
9587 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9588 \renewcommand*\thefigure{%

```



```

9589 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
9590 \renewcommand*\thetable{%
9591 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
9592 \renewcommand*\maketitle{%
9593 \begin{titlepage}%
9594 \let\footnotesize\small
9595 \let\right@footnoterule\relax
9596 \let\left@footnoterule\relax
9597 \let\textwidth@footnoterule\relax
9598 \let \footnote \thanks
9599 \long\def\@makefntext##1{\parindent\z@
9600 \def\labelitemi{\textendash}\@revlabeltrue
9601 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
9602 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
9603 \ifcompatibility\setcounter{page}{0}\fi
9604 \null\vfil
9605 \vskip 60\p@
9606 \begin{center}%
9607 \TitleFont
9608 {\LARGE \def\{\penalty -\@M}
9609 \if@allcaps
9610 \expandafter\uc@nothanks\@title\thanks\relax
9611 \else
9612 \@title
9613 \fi\par}%
9614 \vskip 3em%
9615 {\large
9616 \lineskip .75em \parindent\z@
9617 \begin{tabular}[t]{c}%
9618 \if@allcaps
9619 \expandafter\uc@authornothanks\@author\and\relax
9620 \else
9621 \@author
9622 \fi
9623 \end{tabular}\par}%
9624 \vskip 1.5em%
9625 {\large
9626 \if@allcaps
9627 \uppercase\expandafter{\@date}%
9628 \else
9629 \@date
9630 \fi\par}%
9631 \end{center}\par
9632 \@thanks
9633 \vfil\null
9634 \end{titlepage}%
9635 \setcounter{footnote}{0}%
9636 \global\let\thanks\relax
9637 \global\let\maketitle\relax
9638 \global\let\@thanks\@empty
9639 \global\let\@author\@empty
9640 \global\let\@title\@empty
9641 \global\let\@date\@empty
9642 \global\let\title\relax

```



```

9643 \global\let\author\relax
9644 \global\let\date\relax
9645 \global\let\and\relax
9646 }

```

64 File `bookest-xetex-bidi.def`

```

9647 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
9648 \def\@makechapterhead#1{%
9649 \vspace*{20\p@}
9650 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9651 \ifnum \c@secnumdepth >\m@ne
9652 \if@mainmatter
9653 {\colorA\huge\scshape \@chapapp\space \thechapter}
9654 \par\nobreak
9655 \vskip 10\p@
9656 \fi
9657 \fi
9658 \interlinepenalty\@M
9659 {\colorB\hrule}
9660 \vskip 15\p@
9661 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
9662 {\colorA\Huge \bfseries #1}\par\nobreak
9663 \if@RTL\end{flushleft}\else\end{flushright}\fi
9664 \vskip 5\p@
9665 {\colorB\hrule}
9666 \vskip 30\p@
9667 }}
9668 \def\@makeschapterhead#1{%
9669 \vspace*{20\p@}
9670 {\parindent \z@ \raggedright \normalfont
9671 {\colorB\hrule}
9672 \vskip 15\p@
9673 \begin{center}
9674 {\colorA\Huge \bfseries #1}\par\nobreak
9675 \end{center}
9676 \vskip 5\p@
9677 {\colorB\hrule}
9678 \vskip 30\p@
9679 }}

```

65 File `book-xetex-bidi.def`

```

9680 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class
9681 \renewenvironment{theindex}
9682 {\if@twocolumn
9683 \restonecolfalse
9684 \else
9685 \restonecoltrue
9686 \fi
9687 \columnseprule \z@
9688 \columnsep 35\p@
9689 \twocolumn[\@makeschapterhead{\indexname}]%
9690 \@mkboth{\MakeUppercase\indexname}%

```



```

9691             {\MakeUppercase\indexname}%
9692             \thispagestyle{plain}\parindent\z@
9693             \parskip\z@ \@plus .3\p@\relax
9694             \let\item\@idxitem}
9695             {\if@restonecol\onecolumn\else\clearpage\fi}
9696 \@ifclassloaded{bookest}{-}{%
9697   \if@titlepage
9698   \renewcommand\maketitle{\begin{titlepage}%
9699   \let\footnotesize\small
9700   \let\right@footnoterule\relax
9701   \let\left@footnoterule\relax
9702   \let\textwidth@footnoterule\relax
9703   \let \footnote \thanks
9704   \let \LTRfootnote \LTRthanks
9705   \let \RTLfootnote \RTLthanks
9706   \null\vfil
9707   \vskip 60\p@
9708   \begin{center}%
9709     {\LARGE \@title \par}%
9710     \vskip 3em%
9711     {\large
9712       \lineskip .75em%
9713       \begin{tabular}[t]{c}%
9714         \@author
9715       \end{tabular}\par}%
9716       \vskip 1.5em%
9717       {\large \@date \par}%           % Set date in \large size.
9718   \end{center}\par
9719   \@thanks
9720   \vfil\null
9721   \end{titlepage}%
9722   \setcounter{footnote}{0}%
9723   \global\let\thanks\relax
9724   \global\let\LTRthanks\relax
9725   \global\let\RTLthanks\relax
9726   \global\let\maketitle\relax
9727   \global\let\@thanks\@empty
9728   \global\let\@author\@empty
9729   \global\let\@date\@empty
9730   \global\let\@title\@empty
9731   \global\let\title\relax
9732   \global\let\author\relax
9733   \global\let\date\relax
9734   \global\let\and\relax
9735 }
9736 \else
9737 \renewcommand\maketitle{\par
9738   \begingroup
9739     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9740     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9741     \long\def\@makefntext##1{\parindent 1em\noindent
9742       \hb@xt@1.8em{%
9743         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9744     \if@twocolumn

```



```

9745     \ifnum \col@number=\@ne
9746         \@maketitle
9747     \else
9748         \twocolumn[\@maketitle]%
9749     \fi
9750 \else
9751     \newpage
9752     \global\@topnum\z@ % Prevents figures from going at top of page.
9753     \@maketitle
9754     \fi
9755     \thispagestyle{plain}\@thanks
9756 \endgroup
9757 \setcounter{footnote}{0}%
9758 \global\let\thanks\relax
9759 \global\let\LTRthanks\relax
9760 \global\let\RTLthanks\relax
9761 \global\let\maketitle\relax
9762 \global\let\@maketitle\relax
9763 \global\let\@thanks\@empty
9764 \global\let\@author\@empty
9765 \global\let\@date\@empty
9766 \global\let\@title\@empty
9767 \global\let\title\relax
9768 \global\let\author\relax
9769 \global\let\date\relax
9770 \global\let\and\relax
9771 }
9772 \def\@maketitle{%
9773     \newpage
9774     \null
9775     \vskip 2em%
9776     \begin{center}%
9777     \let \footnote \thanks
9778     \let \LTRfootnote \LTRthanks
9779     \let \RTLfootnote \RTLthanks
9780     {\LARGE \@title \par}%
9781     \vskip 1.5em%
9782     {\large
9783         \lineskip .5em%
9784         \begin{tabular}[t]{c}%
9785             \@author
9786         \end{tabular}\par}%
9787     \vskip 1em%
9788     {\large \@date}%
9789     \end{center}%
9790     \par
9791     \vskip 1.5em}
9792 \fi}
9793 \renewcommand*\l@part[2]{%
9794     \ifnum \c@tocdepth >-2\relax
9795         \addpenalty{-\@highpenalty}%
9796         \addvspace{2.25em \@plus\p@}%
9797         \setlength\@tempdima{3em}%
9798         \begin{group}

```



```

9799     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9800     \parfillskip -\@pnumwidth
9801     {\leavevmode
9802     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9803     \nobreak
9804     \global\@nobreaktrue
9805     \everypar{\global\@nobreakfalse\everypar{}}%
9806   \endgroup
9807 \fi}
9808 \renewcommand*\l@chapter[2]{%
9809   \ifnum \c@tocdepth >\m@ne
9810     \addpenalty{-\@highpenalty}%
9811     \vskip 1.0em \@plus\p@
9812     \setlength\@tempdima{1.5em}%
9813     \begingroup
9814       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9815       \parfillskip -\@pnumwidth
9816       \leavevmode \bfseries
9817       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9818       \hskip -\if@RTL\rightskip\else\leftskip\fi
9819       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9820       \penalty\@highpenalty
9821     \endgroup
9822   \fi}
9823 \renewcommand\left@footnoterule{%
9824   \kern-3\p@
9825   \hrule\@width.4\columnwidth
9826   \kern2.6\p@}
9827 \renewcommand\right@footnoterule{%
9828   \kern-3\p@
9829   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9830   \kern2.6\p@}
9831 \renewcommand\theequation
9832   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9833 \renewcommand \thefigure
9834   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9835 \renewcommand \thetable
9836   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9837 \renewcommand \thechapter {\@arabic\c@chapter}
9838 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9839 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9840 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9841 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9842 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9843 \def\@makechapterhead#1{%
9844   \vspace*{50\p@}%
9845   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9846     \ifnum \c@secnumdepth >\m@ne
9847       \if@mainmatter
9848         \huge\bfseries \@chapapp\space \thechapter
9849         \par\nobreak
9850         \vskip 20\p@
9851       \fi
9852     \fi}

```



```

9853 \interlinepenalty\@M
9854 \Huge \bfseries #1\par\nobreak
9855 \vskip 40\p@
9856 }}
9857 \def\@makeschapterhead#1{%
9858 \vspace*{50\p@}%
9859 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9860 \normalfont
9861 \interlinepenalty\@M
9862 \Huge \bfseries #1\par\nobreak
9863 \vskip 40\p@
9864 }}
9865 \renewcommand\backmatter{%
9866 \if@openright
9867 \cleardoublepage
9868 \else
9869 \clearpage
9870 \fi
9871 \@mainmatterfalse}
9872 \renewenvironment{thebibliography}[1]
9873 {\chapter*{\bibname}%
9874 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
9875 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9876 \bidi@thebibliography@font@hook%
9877 \list{\@biblabel{\@arabic\c@enumiv}}%
9878 {\settowidth\labelwidth{\@biblabel{#1}}%
9879 \leftmargin\labelwidth
9880 \advance\leftmargin\labelsep
9881 \@openbib@code
9882 \usecounter{enumiv}%
9883 \let\p@enumiv\@empty
9884 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9885 \sloppy
9886 \clubpenalty4000
9887 \@clubpenalty \clubpenalty
9888 \widowpenalty4000%
9889 \sfcode\.\@m}
9890 {\def\@noitemerr
9891 {\@latex@warning{Empty `thebibliography' environment}}}%
9892 \endlist}

```

66 File breqn-xetex-bidi.def

```

9893 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for X
9894 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
9895 \everydisplay\expandafter{\the\everydisplay \display@setup}%
9896 \if@noskipsec \leavevmode \fi
9897 \if@inlabel \leavevmode \global\@inlabelfalse \fi
9898 \if\eq@group\else\eq@prelim\fi
9899 \setkeys{breqn}{#1}%
9900 \the\eqstyle
9901 \eq@setnumber
9902 \begingroup
9903 \eq@setup@a

```




```

9904 \eq@startup
9905 }
9906 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
9907 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
9908 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
9909 \global\let\GRP@label\@empty
9910 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
9911 \global\grp@linewidth\z@\global\grp@wdNum\z@
9912 \global\let\grp@eqs@numbered\@False
9913 \global\let\grp@aligned\@True
9914 \global\let\grp@shiftnumber\@False
9915 \eq@prelim
9916 \setkeys{breqn}{#1}%
9917 \if\grp@hasNumber \grp@setnumber \fi
9918 }
9919 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
9920 \let\display@setup\dseries@display@setup
9921 % Question: should this be the default for dseries???
9922 \global\eq@wdCond\z@
9923 \@dmath[layout={M},#1]%
9924 \mathsurround\z@\@math \penalty\@Mi
9925 \let\endmath\ends@math
9926 \def\premath{%
9927 \ifdim\lastskip<.3em \unskip
9928 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
9929 }%
9930 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
9931 \ignorespaces
9932 }
9933 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
9934 \renewenvironment{dsuspend}{-%
9935 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
9936 \parshape 1 \displayindent \displaywidth\relax
9937 \hsize=\columnwidth \noindent\ignorespaces
9938 }{-%
9939 \par\egroup
9940 \global\setbox\GRP@box\vbox{-%
9941 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
9942 \unvbox\GRP@box
9943 }%
9944 \global\GRP@queue\@xp{\the\GRP@queue
9945 \@elt{\let\eq@isIntertext\@True}}%
9946 }%
9947 }

```

67 File cals-xetex-bidi.def

```

9948 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
9949 \renewcommand\cals@setup@alignment[1]{-%
9950 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
9951 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
9952 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
9953 }
9954 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}

```



```

9955 \renewenvironment{calstable}[1][\cals@table@alignment]{%
9956 \if@RTLtab\cals@activate@rtl\fi
9957 \let\cals@thead@tokens=\relax
9958 \let\cals@tfoot@tokens=\relax
9959 \let\cals@tbody@tokens=\relax
9960 \cals@tfoot@height=0pt \relax
9961 \let\cals@last@context=n%
9962 \let\cals@current@context=b%
9963 \parindent=0pt \relax%
9964 \cals@setup@alignment{#1}%
9965 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
9966 %% Alignment inside is independent on center/flushright outside
9967 \parfillskip=0pt plus1fil\relax
9968 \let\cals@borderL=\relax
9969 \let\cals@borderR=\relax
9970 \let\cals@borderT=\relax
9971 \let\cals@borderB=\relax
9972 \setbox\cals@backup@row=\box\voidb@x\relax
9973 \cals@AtBeginTable
9974 }{% End of the table
9975 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
9976 \renewcommand\alignL{%
9977 \if@RTLtab
9978 \cals@vfillAdd\cals@paddingL
9979 \else
9980 \cals@vfillDrop\cals@paddingL
9981 \fi
9982 \cals@vfillDrop\cals@paddingR}
9983 \renewcommand\alignR{%
9984 \if@RTLtab
9985 \cals@vfillDrop\cals@paddingL
9986 \else
9987 \cals@vfillAdd\cals@paddingL
9988 \fi
9989 \cals@vfillDrop\cals@paddingR}

```

68 File caption-xetex-bidi.def

```

9990 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package f
9991 \let\@makecaption\caption@makecaption

```

69 File caption3-xetex-bidi.def

```

9992 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
9993 \renewcommand*\caption@par{%
9994 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

70 File colortbl-xetex-bidi.def

```

9995 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
9996 \def\CT@setup{%
9997 \@tempdimb\col@sep
9998 \@tempdimc\col@sep
9999 \def\CT@color{%

```



```

10000 \global\let\CT@do@color\CT@do@color
10001 \bidicolor}}
10002 \def\@classz{\@classx
10003 \@tempcnta \count@
10004 \prepnext@tok
10005 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
10006 \@addtopreamble{\if@RTLtab\beginL\fi%
10007 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
10008 \ifcase \@chnum
10009 \hskip\stretch{.5}\kern\z@
10010 \dollarbegin
10011 \insert@column
10012 \dollarend\hskip\stretch{.5}\or
10013 \dollarbegin \insert@column \dollarend \hfill \or
10014 \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
10015 $\vcenter
10016 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
10017 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
10018 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
10019 \fi
10020 \if@RTLtab\endR\fi\egroup\egroup
10021 \begingroup
10022 \CT@setup
10023 \CT@column@color
10024 \CT@row@color
10025 \CT@cell@color
10026 \CT@do@color
10027 \endgroup
10028 \@tempdima\ht\z@
10029 \advance\@tempdima\minrowclearance
10030 \vrule\@height\@tempdima\@width\z@
10031 \unhbox\z@\if@RTLtab\endL\fi}%
10032 \prepnext@tok}

```

71 File color-xetex-bidi.def

```

10033 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for X
10034 \long\def\color@b@x#1#2#3{%
10035 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
10036 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
10037 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
10038 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
10039 \ifmmode\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
10040 \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
10041 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
10042 \DeclareRobustCommand\color{%
10043 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]}
10044 \def\@declaredcolor#1{%
10045 \@ifundefined{string\color @#1}%
10046 {\c@lor@error{`#1'}}%
10047 {\expandafter\let\expandafter\current@color
10048 \csname\string\color @#1\endcsname
10049 \set@color}%
10050 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}

```



```

10051 \def\@undeclaredcolor[#1]#2{%
10052   \@ifundefined{color@#1}%
10053     {\color@error{model `#1'}}%
10054     {\csname color@#1\endcsname\current@color{#2}%
10055       \set@color}%
10056   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
10057 \DeclareRobustCommand\bidicolor{%
10058   \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
10059 \def\@bidiundeclaredcolor[#1]#2{%
10060   \@ifundefined{color@#1}%
10061     {\color@error{model `#1'}}%
10062     {\csname color@#1\endcsname\current@color{#2}%
10063       \set@color}%
10064   \ignorespaces}
10065 \def\@bidideclaredcolor#1{%
10066   \@ifundefined{\string\color @#1}%
10067     {\color@error{`#1'}}%
10068     {\expandafter\let\expandafter\current@color
10069       \csname\string\color @#1\endcsname
10070       \set@color}%
10071   \ignorespaces}
10072 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
10073 \def\color@fbox#1#2#3{%
10074   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}
10075 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

72 File combine-xetex-bidi.def

```

10076 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
10077 \renewcommand{\c@ll@chapsecii}[2]{%
10078   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
10079   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
10080   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10081 }
10082 \renewcommand{\c@ll@chapseci}{%
10083   \setlength\@tempdima{0em}%
10084   \begingroup
10085     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10086     \parfillskip -\@pnumwidth
10087     \leavevmode
10088 }
10089 \renewenvironment{tocindent}[1]{%
10090   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

73 File crop-xetex-bidi.def

```

10091 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeT
10092 \renewcommand*\CROP@ulc{%
10093   \if@RTLmain%
10094     \begin{picture}(0,0)
10095       \unitlength\p@\thinlines
10096       \put(-40,0){\circle{10}}
10097       \put(-30,-5){\line(0,1){10}}
10098       \put(-35,0){\line(1,0){30}}

```



```

10099     \put(-10,30){\circle{10}}
10100     \put(-5,30){\line(1,0){10}}
10101     \put(0,35){\line(0,-1){30}}
10102 \end{picture}%
10103 \else%
10104 \begin{picture}(0,0)
10105     \unitlength\p@\thinlines
10106     \put(-30,0){\circle{10}}
10107     \put(-30,-5){\line(0,1){10}}
10108     \put(-35,0){\line(1,0){30}}
10109     \put(0,30){\circle{10}}
10110     \put(-5,30){\line(1,0){10}}
10111     \put(0,35){\line(0,-1){30}}
10112 \end{picture}%
10113 \fi%
10114 }
10115 \renewcommand*\CROP@urc{%
10116 \if@RTLmain%
10117     \begin{picture}(0,0)
10118     \unitlength\p@\thinlines
10119     \put(20,0){\circle{10}}
10120     \put(30,-5){\line(0,1){10}}
10121     \put(35,0){\line(-1,0){30}}
10122     \put(-10,30){\circle{10}}
10123     \put(-5,30){\line(1,0){10}}
10124     \put(0,35){\line(0,-1){30}}
10125 \end{picture}%
10126 \else%
10127 \begin{picture}(0,0)
10128     \unitlength\p@\thinlines
10129     \put(30,0){\circle{10}}
10130     \put(30,-5){\line(0,1){10}}
10131     \put(35,0){\line(-1,0){30}}
10132     \put(0,30){\circle{10}}
10133     \put(-5,30){\line(1,0){10}}
10134     \put(0,35){\line(0,-1){30}}
10135 \end{picture}%
10136 \fi%
10137 }
10138 \renewcommand*\CROP@llc{%
10139 \if@RTLmain%
10140     \begin{picture}(0,0)
10141     \unitlength\p@\thinlines
10142     \put(-40,0){\circle{10}}
10143     \put(-30,-5){\line(0,1){10}}
10144     \put(-35,0){\line(1,0){30}}
10145     \put(-10,-30){\circle{10}}
10146     \put(-5,-30){\line(1,0){10}}
10147     \put(0,-35){\line(0,1){30}}
10148 \end{picture}%
10149 \else%
10150 \begin{picture}(0,0)
10151     \unitlength\p@\thinlines
10152     \put(-30,0){\circle{10}}

```



```

10153     \put(-30,-5){\line(0,1){10}}
10154     \put(-35,0){\line(1,0){30}}
10155     \put(0,-30){\circle{10}}
10156     \put(-5,-30){\line(1,0){10}}
10157     \put(0,-35){\line(0,1){30}}
10158 \end{picture}%
10159 \fi%
10160 }
10161 \renewcommand*\CROP@lrc{%
10162   \if@RTLmain%
10163     \begin{picture}(0,0)
10164       \unitlength\p@\thinlines
10165       \put(20,0){\circle{10}}
10166       \put(30,-5){\line(0,1){10}}
10167       \put(35,0){\line(-1,0){30}}
10168       \put(-10,-30){\circle{10}}
10169       \put(-5,-30){\line(1,0){10}}
10170       \put(0,-35){\line(0,1){30}}
10171     \end{picture}%
10172   \else%
10173     \begin{picture}(0,0)
10174       \unitlength\p@\thinlines
10175       \put(30,0){\circle{10}}
10176       \put(30,-5){\line(0,1){10}}
10177       \put(35,0){\line(-1,0){30}}
10178       \put(0,-30){\circle{10}}
10179       \put(-5,-30){\line(1,0){10}}
10180       \put(0,-35){\line(0,1){30}}
10181     \end{picture}%
10182   \fi%
10183 }
10184 \@ifpackagewith{crop}{cam}{%
10185 \CROP@execopt{cam}%
10186 }{}

```

74 File cutwin-xetex-bidi.def

```

10187 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
10188 \renewcommand*{\c@twcompctr}[2]{%
10189   \def\c@twfirst{1}
10190   \loop\advance\c@twwinlines\m@ne
10191   \setbox\c@twslicea=\vsplit#1 to\baselineskip
10192   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
10193   \c@twprune{\c@twslicea}{\c@twlftside}%
10194   \c@twprune{\c@twsliceb}{\c@twrtside}%
10195   \ifnum\c@twfirst=\@ne
10196     \setbox#2=\vbox{\unvbox#2\hbox
10197       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
10198   \else
10199     \setbox#2=\vbox{\unvbox#2\hbox
10200       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\B
10201   \fi
10202   \def\c@twfirst{2}
10203   \ifnum\c@twwinlines>\z@\repeat}

```



```

10204 \renewcommand*\c@twcompoddctr}[2]{%
10205   \def\c@twrounds{1}
10206   \def\c@twfirst{1}
10207   \@for\c@twlspec:=\c@twb\do{%
10208     \ifnum\c@twrounds=1
10209       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
10210       \c@twprune{\c@twslicea}{\c@twlspec}%
10211       \def\c@twrounds{2}
10212     \else
10213       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
10214       \c@twprune{\c@twsliceb}{\c@twlspec}%
10215       \ifnum\c@twfirst=1
10216         \setbox#2=\vbox{\unvbox#2\hbox
10217           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\
10218           \def\c@twfirst{2}
10219         \else
10220           \setbox#2=\vbox{\unvbox#2\hbox
10221             to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\el
10222         \fi
10223       \def\c@twrounds{1}
10224     \fi}}

```

75 File cuted-xetex-bidi.def

```

10225 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for X
10226
10227 \def\RTL@outputdblcol{%
10228   \if@firstcolumn
10229     \global\@firstcolumnfalse
10230     \global\setbox\@leftcolumn\copy\@outputbox
10231     \splitmaxdepth\maxdimen
10232     \vbadness\maxdimen
10233     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10234     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10235     \toks@\expandafter{\topmark}%
10236     \xdef\@firstcoltopmark{\the\toks@}%
10237     \toks@\expandafter{\splitfirstmark}%
10238     \xdef\@firstcolfirstmark{\the\toks@}%
10239     \ifx\@firstcolfirstmark\@empty
10240       \global\let\@setmarks\relax
10241     \else
10242       \gdef\@setmarks{%
10243         \let\firstmark\@firstcolfirstmark
10244         \let\topmark\@firstcoltopmark}%
10245     \fi
10246   \else
10247     \global\@firstcolumntrue
10248     \setbox\@outputbox\vbox{%
10249       \hb@xt@\textwidth{%
10250         \hskip \columnwidth
10251         \hfil
10252         {\normalcolor\vrule \@width\columnseprule}%
10253         \hfil
10254         \hb@xt@\columnwidth{%

```



```

10255     \bidi@firstcolumn@status@write%
10256     \box\@leftcolumn \hss}%
10257     \hskip -\textwidth
10258     \hb@xt@\columnwidth{%
10259     \bidi@lastcolumn@status@write%
10260     \box\@outputbox \hss}%
10261     \hskip \columnsep
10262     \hskip \columnwidth }}%
10263     \ifvoid\hold@viper
10264     \else
10265         \setbox\@outputbox \vbox to\textheight{%
10266             \box\hold@viper
10267             \box\@outputbox
10268             \vss
10269             }%
10270     \fi
10271 \@combinedblfloats
10272     \@setmarks
10273     \@outputpage
10274     \beginingroup
10275     \@dblfloatplacement
10276     \@startdblcolumn
10277     \@whilesw\if@fcolmade \fi{\@outputpage
10278     \@startdblcolumn}%
10279     \ifvoid\@viper
10280     \else
10281         \global\setbox\@viper\vbox{%
10282             \vskip-\stripsep
10283             \unvbox\@viper
10284             }%
10285     \@viperoutput
10286     \fi
10287     \endgroup
10288 \fi}%
10289
10290 \def\LTR@outputdblcol{%
10291     \if@firstcolumn
10292     \global\@firstcolumnfalse
10293     \global\setbox\@leftcolumn\copy\@outputbox
10294     \splitmaxdepth\maxdimen
10295     \vbadness\maxdimen
10296     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
10297     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10298     \toks@\expandafter{\topmark}%
10299     \xdef\@firstcoltopmark{\the\toks@}%
10300     \toks@\expandafter{\splitfirstmark}%
10301     \xdef\@firstcolfirstmark{\the\toks@}%
10302     \ifx\@firstcolfirstmark\@empty
10303     \global\let\@setmarks\relax
10304     \else
10305     \gdef\@setmarks{%
10306     \let\firstmark\@firstcolfirstmark
10307     \let\topmark\@firstcoltopmark}%
10308 \fi

```




```

10309 \else
10310   \global\@firstcolumntrue
10311   \setbox\@outputbox\vbox{%
10312     \hb@xt@\textwidth{%
10313       \hb@xt@\columnwidth{%
10314         \bidi@firstcolumn@status@write%
10315         \box\@leftcolumn \hss}%
10316       \hfil
10317       {\normalcolor\vrule \@width\columnseprule}%
10318       \hfil
10319       \hb@xt@\columnwidth{%
10320         \bidi@lastcolumn@status@write%
10321         \box\@outputbox \hss}}}%
10322   \ifvoid\hold@viper
10323   \else
10324     \setbox\@outputbox \vbox to\textheight{%
10325       \box\hold@viper
10326       \box\@outputbox
10327       \vss
10328     }%
10329   \fi
10330 \@@combinedblfloats
10331 \@@setmarks
10332 \@@outputpage
10333 \@@begingroup
10334 \@@dblfloatplacement
10335 \@@startdblcolumn
10336 \@@whilesw\if@fcolmade \fi{\@@outputpage
10337 \@@startdblcolumn}%
10338 \ifvoid\@viper
10339 \else
10340   \global\setbox\@viper\vbox{%
10341     \vskip-\stripsep
10342     \unvbox\@viper
10343   }%
10344   \@@viperoutput
10345 \fi
10346 \@@endgroup
10347 \fi}%
10348
10349 \def\@addviper{%
10350   \@@insertfalse
10351   \def\var@@thecol@num{2}%
10352   \if@firstcolumn
10353     \def\var@@thecol@num{1}%
10354     \@reqcolroom=.5\@pageht
10355     \ht@viper=\@reqcolroom
10356     \advance\@reqcolroom by\ht\@viper
10357     \advance\@reqcolroom by\stripsep
10358   \else
10359     \@reqcolroom=\@colht
10360     \advance\@reqcolroom by\@pageht
10361     \ht@viper.5\@reqcolroom
10362     \@reqcolroom=\ht@viper

```



```

10363 \advance\@reqcolroom by\ht\@viper
10364 \advance\@reqcolroom by\stripsep
10365 \global\setbox\@holdpg\vbox{%
10366 \setbox\cuted@@tempbox@a\vbox{%
10367 \aftergroup\unvbox
10368 \unvcopy\@leftcolumn
10369 \unskip\unkern\unpenalty
10370 \setbox\@tempboxa\lastbox
10371 \ifdim\dimexpr\ht\@tempboxa+\wd\@tempboxa+\dp\@tempboxa>\z@
10372 %% keeps lastbox
10373 \aftergroup\@leftcolumn
10374 \else
10375 %% removes lastbox
10376 \aftergroup\cuted@@tempbox@a
10377 \fi
10378 }%
10379 \unskip\unkern\unpenalty
10380 \on@stripcols@break
10381 \the\At@ViperColsBreak
10382 \unvbox\@holdpg
10383 }%
10384 \global\At@ViperColsBreak{}%
10385 \ht@viper=.5\ht\@holdpg
10386 \ifdim\ht@viper>\@colht
10387 \ht@viper=\@colht
10388 \fi
10389 \fi
10390 %%
10391 %% calculations for breaking
10392 %%
10393 \ifvoid\hold@viper
10394 \ht@hold@viper=\z@
10395 \else
10396 \ht@hold@viper=\ht\hold@viper
10397 \fi
10398 \cuted@@tempdim@b\ht@viper
10399 \set@split@topskip@to\topskip
10400 \loop
10401 \xdef\saved@tempdim@b{\the\cuted@@tempdim@b}%
10402 \setbox\cuted@@varbox@a\copy\@holdpg
10403 \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
10404 %% set leftcolumn boxes
10405 \setbox\cuted@@tempbox@c\vbox{\unvbox\cuted@@tempbox@a}%
10406 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
10407 \xdef\var@@leftcolumn@badness{\the\badness}%
10408 %% set rightcolumn boxes
10409 \setbox\cuted@@varbox@c\vbox{\unvbox\cuted@@varbox@a}%
10410 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
10411 \xdef\var@@rightcolumn@badness{\the\badness}%
10412 %% analyzing split goodness
10413 \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
10414 \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
10415 \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
10416 \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c

```



```

10417 \cuted@@wlog@debug{CUTED [-----]}%
10418   ^^JLeft: \the\ht\cuted@@tempbox@c
10419   +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
10420   ^^JRight: \the\ht\cuted@@varbox@c
10421   +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness
10422   ^^JSplit: \the\cuted@@tempdim@b
10423   ^^JExtra height: \the\cuted@@tempdim@spread
10424   }%
10425 \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
10426   \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
10427     \cuted@@tempdim@spread=\z@
10428   \fi
10429 \fi
10430 \ifdim\cuted@@tempdim@spread<\z@
10431   \if@left@column@spread
10432     \if@right@column@shrink
10433       \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
10434         \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread
10435       \else
10436         \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\relax
10437       \fi
10438       \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}
10439       \ifnum\badness<\cuted@@column@badness
10440         \cuted@@tempdim@b=\cuted@@tempdim@a
10441         \cuted@@tempdim@spread=\z@
10442       \fi
10443       \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on }%
10444       \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c}
10445       \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on }%
10446     \else
10447       \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{
10448         \unvcopy\cuted@@tempbox@c
10449       }%
10450       \ifnum\badness<\cuted@@column@badness
10451         \@tempdimb=\ht\cuted@@varbox@c
10452         \cuted@@tempdim@spread=\z@
10453       \fi
10454       \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\ht}
10455       \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{
10456         \unvcopy\cuted@@varbox@c
10457       }%
10458       \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\ht}
10459     \fi
10460   \else
10461     \if@right@column@shrink
10462       \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
10463       \else
10464         \cuted@@tempdim@b=\ht\cuted@@tempbox@c
10465         \cuted@@tempdim@spread=\z@
10466       \fi
10467     \fi
10468   \fi
10469 \else
10470   \ifdim\cuted@@tempdim@spread>\z@

```



```

10471             \ifdim\dimexpr\@tempdimb+p@\relax>\@colht
10472             \cuted@@tempdim@b=\@colht
10473             \cuted@@tempdim@spread=\z@
10474         \fi
10475     \fi
10476 \fi
10477 \ifdim\cuted@@tempdim@spread<\z@
10478     \advance\cuted@@tempdim@b 1\p@
10479 \repeat
10480 \wlog{CUTED [- LAST -]}%
10481     ^^JExtra skip:\the\cuted@@tempdim@spread
10482     ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
10483     ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
10484     ^^JSplit:\saved@tempdimb
10485     ^^JOutput:\the\cuted@@tempdim@b
10486     ^^JPageshrink:\the\pageshrink
10487     ^^JPagestretch:\the\pagestretch
10488     ^^J@colht:\the\@colht
10489 }%
10490 %%
10491 %% final construction of the cuted page above strip
10492 %%
10493 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
10494 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
10495     \cuted@@tempdim@a=\dimexpr
10496         \cuted@@tempdim@b-\ht\cuted@@tempbox@c
10497         \relax
10498     \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
10499     \unvbox\cuted@@tempbox@c
10500     \ifdim\cuted@@tempdim@spread>\dp\strutbox
10501     \else
10502         \vskip-\cuted@@tempdim@spread
10503     \fi
10504     \prevdepth\z@
10505     \hrule\@height\cuted@@page@rule width\textwidth
10506     \vskip-\cuted@@page@rule
10507     \ifdim\cuted@@tempdim@a>\z@
10508         \if@left@column@spread
10509         \else
10510             \vss
10511         \fi
10512     \else
10513         \ifdim\cuted@@tempdim@a<\z@
10514             \if@left@column@shrink
10515             \else
10516                 \vss
10517             \fi
10518         \fi
10519     \fi
10520 }%
10521 \wlog{CUTED [output]: \the\cuted@@tempdim@b
10522     ^^JCUTED [leftcolumn badness]: \number\badness
10523 }%
10524 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%

```



```

10525     \cuted@@tempdim@a=\dimexpr
10526         \cuted@@tempdim@b-\ht\@holdpg
10527         \relax
10528     \unvbox\@holdpg
10529     \ifdim\cuted@@tempdim@a>\z@
10530         \if@right@column@spread
10531         \else
10532             \vss
10533         \fi
10534     \else
10535         \ifdim\cuted@@tempdim@a<\z@
10536             \if@right@column@shrink
10537             \else
10538                 \vss
10539             \fi
10540         \fi
10541     \fi
10542 }%
10543 \wlog{CUTED [rightcolumn badness]: \number\badness}%
10544 \setbox\cuted@@tempbox@var\vbox{%
10545     \hb@xt@\textwidth{%
10546         \if@RTLmain
10547             \hskip \columnwidth
10548             \hfil
10549             {\normalcolor\vrule \@width\columnseprule}%
10550             \hfil
10551             \hb@xt@\columnwidth{%
10552                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10553             \hss
10554         }%
10555         \hskip -\textwidth
10556         \hb@xt@\columnwidth{%
10557             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10558             \hss
10559         }%
10560         \hskip \columnsep
10561         \hskip \columnwidth
10562     \else
10563         \hb@xt@\columnwidth{%
10564             \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
10565             \hss
10566         }%
10567         \hfil
10568         {\normalcolor\vrule \@width\columnseprule}%
10569         \hfil
10570         \hb@xt@\columnwidth{%
10571             \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
10572             \hss
10573         }%
10574     \fi
10575 }%
10576 }%
10577 %%
10578 %% finalize cuted page

```



```

10579 %%
10580 \ifvoid\hold@viper
10581   \global\setbox\hold@viper\vbox{%
10582     \unvbox\cuted@tempbox@var
10583     \penalty\interlinepenalty
10584     \vskip\stripsep
10585     \the\preCutedStrip
10586     \ifnum\outputpenalty<-\@Mii
10587       \vskip -\parskip
10588     \fi
10589     \outputpenalty\z@
10590   }%
10591 \else
10592   \global\setbox\hold@viper\vbox{%
10593     \unvbox\hold@viper
10594     \cuted@tempbox@var
10595     \penalty\interlinepenalty
10596     \vskip\stripsep
10597     \the\preCutedStrip
10598     \ifnum\outputpenalty<-\@Mii
10599       \vskip -\parskip
10600     \fi
10601     \outputpenalty\z@
10602   }%
10603 \fi
10604 \ifdim\@colht>\@reqcolroom
10605   \global\setbox\hold@viper\vbox{%
10606     \unvbox\hold@viper
10607     \box\@viper
10608     \penalty\interlinepenalty
10609     \the\postCutedStrip
10610     \vskip\stripsep
10611     \ifnum\outputpenalty<-\@Mii
10612       \vskip -\parskip
10613     \fi
10614     \outputpenalty\z@
10615   }%
10616 \inserttrue
10617 \global\@firstcolumntrue
10618 \advance\ht@hold@viper by-\ht\hold@viper
10619 \global\advance\@colht by\ht@hold@viper
10620 \ifdim\@colht<2.5\baselineskip
10621   \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
10622     too tall on page \thepage (\var@thecol@num column)}%
10623   \@emptycol
10624   \if@firstcolumn
10625     \else
10626       \@emptycol
10627     \fi
10628   \global\@lastvipertrue
10629 \else
10630   \global\vsizel\@colht
10631   \global\@colroom\@colht
10632   \checkfloats\cuted@tempdim@a

```



```

10633         \ifdim\cuted@@tempdim@a>\z@
10634             \global\advance\@colroom by-\cuted@@tempdim@a
10635         \fi
10636     \ifdim\@colroom<\z@
10637         \global\@colroom1\p@
10638         \ifdim\cuted@@tempdim@a>\@colht
10639             \@latex@warning@no@line{TOP and/or BOT FLOAT's
10640                 to large on \thepage (\var@@thecol@num column)}%
10641         \fi
10642         \@emptycol
10643         \if@firstcolumn
10644         \else
10645             \@emptycol
10646         \fi
10647         \global\@lastvipertrue
10648     \fi
10649 \fi
10650 \fi
10651 \if@insert
10652 \else
10653     \advance\ht@hold@viper by-\ht@hold@viper
10654     \global\advance\@colht by\ht@hold@viper
10655     \global\setbox\hold@viper\ vbox{%
10656         \unvbox\hold@viper
10657         \set@split@topskip@to{\z@ plus2\p@}%
10658         \vsplit\@viper to\@colht
10659         \vss
10660     }%
10661     \vbox{%
10662         \global\@firstcolumnfalse
10663         \newpage
10664     \fi
10665 }

```

76 File cvthemebidicasual.sty

```

10666 \NeedsTeXFormat{LaTeX2e}
10667 \ProvidesPackage{cvthemebidicasual}
10668 \DeclareOption{blue}{}
10669 \newif\if@colourorange\@colourorangefalse
10670 \DeclareOption{orange}{\@colourorange>true}
10671 \newif\if@colourgreen\@colourgreenfalse
10672 \DeclareOption{green}{\@colourgreentrue}
10673 \newif\if@coloured\@colouredfalse
10674 \DeclareOption{red}{\@colouredtrue}
10675 \newif\if@colourgrey\@colourgreyfalse
10676 \DeclareOption{grey}{\@colourgreytrue}
10677 \DeclareOption*{
10678     \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
10679 \ExecuteOptions{colour}
10680 \ProcessOptions\relax
10681 \renewcommand*{\listitemsymbol}{\textbullet}
10682 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
10683 \familynamecolour{808080}

```



```

10684 \firstnamecolour{A9A9A9}
10685 \quotecolour{696969}
10686 \addresscolour{696969}
10687 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
10688 \sectiontitlecolour{1E90FF}
10689 \subsectioncolour{4682B4}
10690 \definecolor{rulecolour}{gray}{0.6}
10691 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
10692 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
10693 \if@colouorange
10694 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10695 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
10696 \sectiontitlecolour{FF8C00}
10697 \subsectioncolour{FF8C00}
10698 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
10699 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
10700 \if@colourgreen
10701 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10702 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10703 \sectiontitlecolour{008000}
10704 \subsectioncolour{008000}
10705 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
10706 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
10707 \if@coloured
10708 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10709 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10710 \sectiontitlecolour{FF0000}
10711 \subsectioncolour{FF0000}
10712 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
10713 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
10714 \if@colourgrey
10715 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10716 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10717 \sectiontitlecolour{808080}
10718 \subsectioncolour{808080}
10719 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
10720 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
10721 \renewcommand*{\ttdefault}{pcr}
10722 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
10723 \renewcommand*{\familynamefont}{\firstnamefont}
10724 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10725 \renewcommand*{\quoteontfont}{\large\slshape}
10726 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10727 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10728 \renewcommand*{\maketitle}{%
10729   {%
10730     \ifthenelse{\isundefined{\@photo}}{%
10731       }{%
10732         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
10733         \hfill%
10734         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
10735         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[-.35em]}%
10736       \ifthenelse{\isundefined{\@quote}}{%
10737         }%

```




```

10738   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}
10739   }%
10740 \newif\if@firstfooterelement\@firstfooterelementtrue
10741 \providecommand*\footersymbol{}
10742 \renewcommand*\footersymbol{%
10743   \if@firstfooterelement%
10744   \else%
10745     { ~-\color{footersymbolcolor}\textbullet~}\fi}
10746 \providecommand*\makefooter{}
10747 \renewcommand*\makefooter{%
10748   \fancypagestyle{plain}{%
10749     \fancyfoot[c]{%
10750       \parbox{0.8\textwidth}{%
10751         \centering%
10752         \addressfont\@addresscolour%
10753         \ifthenelse{\isundefined{\@address}}{}{%
10754           \addresssymbol~\@address\\%
10755           \@firstfooterelementfalse}%
10756         \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
10757         \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
10758         \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\xaxsymbol~\@fax\@firstfooterelementfalse}%
10759         \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@firstfooterelementfalse}%
10760         \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
10761       }%
10762     \pagestyle{plain}}
10763 \AtBeginDocument{\makefooter}

```

77 File cvthemebidiclassic.sty

```

10764 \NeedsTeXFormat{LaTeX2e}
10765 \ProvidesPackage{cvthemebidiclassic}
10766 \DeclareOption{blue}{}
10767 \newif\if@colourorange\@colourorangefalse
10768 \DeclareOption{orange}{\@colourorange>true}
10769 \newif\if@colourgreen\@colourgreenfalse
10770 \DeclareOption{green}{\@colourgreen>true}
10771 \newif\if@colourred\@colourredfalse
10772 \DeclareOption{red}{\@colourred>true}
10773 \newif\if@colourgrey\@colourgreyfalse
10774 \DeclareOption{grey}{\@colourgrey>true}
10775 \DeclareOption*{
10776   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
10777 \ExecuteOptions{colour}
10778 \ProcessOptions\relax
10779 \renewcommand*\listitemsymbol{\textbullet}
10780 \firstnamecolour{}
10781 \familynamecolour{}
10782 \titlecolour{808080}
10783 \quotecolour{696969}
10784 \addresscolour{696969}
10785 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
10786 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
10787 \sectiontitlecolour{1E90FF}
10788 \subsectioncolour{4682B4}

```



```

10789 \if@colourorange
10790 \addresscolour{FF8C00}
10791 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
10792 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
10793 \sectiontitlecolour{FF8C00}
10794 \subsectioncolour{FF8C00}\fi
10795 \if@colourgreen
10796 \addresscolour{008000}
10797 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
10798 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
10799 \sectiontitlecolour{008000}
10800 \subsectioncolour{008000}\fi
10801 \if@colourred
10802 \addresscolour{FF0000}
10803 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
10804 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
10805 \sectiontitlecolour{FF0000}
10806 \subsectioncolour{FF0000}\fi
10807 \if@colourgrey
10808 \addresscolour{808080}
10809 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
10810 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
10811 \sectiontitlecolour{808080}
10812 \subsectioncolour{808080}\fi
10813 \renewcommand*{\ttdefault}{pcr}
10814 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
10815 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
10816 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
10817 \renewcommand*{\familynamefont}{\firstnamefont}
10818 \renewcommand*{\quotefont}{\large\slshape}
10819 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
10820 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
10821 \newlength{\maketitlemaxwidth}
10822 \setlength{\maketitlemaxwidth}{.525\textwidth}
10823 \newlength{\maketitlefullwidth}
10824 \settowidth{\maketitlefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
10825 \newlength{\maketitlewidth}
10826 \ifnum\maketitlemaxwidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}
10827 \newlength{\maketitlepicturewidth}
10828 \setlength{\maketitlepicturewidth}{\@photowidth}
10829 \newlength{\maketitledetailwidth}
10830 \renewcommand*{\recomputethemelengths}{%
10831 \setlength{\maketitledetailwidth}{\textwidth}%
10832 \addtolength{\maketitledetailwidth}{-\maketitlemaxwidth}%
10833 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
10834 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
10835 \recomputethemelengths
10836 \newif\if@firstdetailselement\@firstdetailselementtrue
10837 \newcommand*{\maketitledetailsnewline}{
10838 \if@firstdetailselement%
10839 \@firstdetailselementfalse%
10840 \else%
10841 \\.2em\fi}
10842 \renewcommand*{\maketitle}{%

```



```

10843 % name and title
10844 \begin{minipage}[b]{\maketitlewidth}%
10845   \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
10846   \ifthenelse{equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}%
10847 \end{minipage}%
10848 % optional data
10849 \begin{minipage}[b]{\maketitledetailwidth}%
10850   \bidi@raggedleft\addressfont\addresscolour%
10851   \ifthenelse{\isundefined{\@address}}{\%
10852     \maketitledetailsnewline%
10853     \addresssymbol~\@address}%
10854     \ifthenelse{\isundefined{\@mobile}}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
10855     \ifthenelse{\isundefined{\@phone}}{\maketitledetailsnewline\phonesymbol~\@phone}%
10856     \ifthenelse{\isundefined{\@fax}}{\maketitledetailsnewline\faxsymbol~\@fax}%
10857     \ifthenelse{\isundefined{\@email}}{\maketitledetailsnewline\emailsymbol~\emailink{\@e
10858     \ifthenelse{\isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
10859 \end{minipage}%
10860 % optional photo
10861 \ifthenelse{\isundefined{\@photo}}%
10862   {}%
10863   {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=
10864 % optional quote
10865 \ifthenelse{\isundefined{\@quote}}%
10866   {}%
10867   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\
10868 }

```

78 File dblfnote-xetex-bidi.def

```

10869 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
10870 \let\autofootnoterule\relax
10871 \let\rightfootnoterule\relax
10872 \let\leftfootnoterule\relax
10873 \let\textwidthfootnoterule\relax
10874 \let\LRfootnoterule\relax
10875 \def\footnoterule{\kern-3\p@
10876 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
10877 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
10878 \let\@footnotetext\dfn@footnotetext}
10879 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
10880   \let\insert\dfn@gobble
10881   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10882   \def\@makefnmark{\smash{\dfn@makefnmark}}
10883   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10884   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10885   \ifdim\dfn@dima>\z@\else
10886     \dfn@dima1sp\relax
10887     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10888   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10889     \ifvoid\dfn@ins\else
10890       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10891     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10892   \setbox\dfn@boxa\copy\dfn@ins
10893   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep

```



```

10894 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10895 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10896 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10897 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10898 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
10899 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
10900 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
10901 \let\insert\dfn@gobble
10902 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10903 \def\@makefnmark{\smash{\dfn@makefnmark}}
10904 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10905 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10906 \ifdim\dfn@dima>z@\else
10907 \dfn@dima1sp\relax
10908 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10909 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10910 \ifvoid\dfn@ins\else
10911 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10912 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10913 \setbox\dfn@boxa\copy\dfn@ins
10914 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10915 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10916 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10917 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10918 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10919 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
10920 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
10921 \def\dfn@RTLmakecol{{\ifvoid\footins\else
10922 \dfn@dima\ht\footins
10923 \@tempcnta\z@ \dfn@countins
10924 \@tempdima\z@ \let\@elt\dfn@elt@getht
10925 \dfn@list\@nil
10926 \ifdim\@tempdima=\z@\else
10927 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10928 \global\setbox\dfn@ins\box\dfn@ins
10929 \@tempswatruer
10930 \ifdfn@trysingle
10931 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10932 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10933 \advance\@tempdima-\skip\footins
10934 \advance\@tempdima-\ht\dfn@boxa
10935 \ifdim\@tempdima<z@\else \@tempswafalse
10936 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10937 \footnoterule \unvbox\dfn@boxa}\fi\fi
10938 \if@tempswa
10939 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10940 \global\setbox\footins\vbox{\hbox{%
10941 \hskip \DFNcolumnwidth
10942 \hskip\DFNcolumnsep
10943 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10944 \unvbox\dfn@boxb\vss}\hss}
10945 \hskip -\textwidth
10946 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10947 \vbox to\@tempdima{

```



```

10948 \setbox\@tempboxa\vbox{\footnoterule}
10949 \ifdfn@ruleboth \unvbox\@tempboxa
10950 \else \@tempdima\ht\@tempboxa
10951 \advance\@tempdima\dp\@tempboxa
10952 \vskip\@tempdima
10953 \prevdepth\dp\@tempboxa \fi
10954 \unvbox\dfn@boxa\vss}\fi\hss}
10955 \hskip \DFNcolumnsep
10956 \hskip \DFNcolumnwidth}}\fi\fi
10957 \global\dfn@fnht\z@
10958 \ifx\dfn@list\@empty\else
10959 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10960 \dfn@list \global\advance\dfn@fnht\dfn@dimb
10961 \let\@elt\relax
10962 \ifdim\dfn@dimb>\z@
10963 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10964 \insert\footins{\floatingpenalty\@MM
10965 \vbox to\dfn@dimb{}}\fi
10966 \ifdim\dfn@fnht>\@tempdima
10967 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10968 \global\dfn@fnht\@tempdima
10969 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10970 \xdef\dfn@afteroutput{\insert\footins{
10971 \floatingpenalty\@MM
10972 \vbox to\number\@tempdimb sp{}}%
10973 \global\let\noexpand\dfn@afteroutput\relax}%
10974 \fi\fi
10975 \fi}%
10976 \let\footnoterule\relax \dfn@latex@makecol
10977 \let\footnoterule\dfn@footnoterule}
10978 \def\dfn@LTRmakecol{\ifvoid\footins\else
10979 \dfn@dima\ht\footins
10980 \@tempcnta\z@ \dfn@countins
10981 \@tempdima\z@ \let\@elt\dfn@elt@getht
10982 \dfn@list\@nil
10983 \ifdim\@tempdima=\z@\else
10984 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10985 \global\setbox\dfn@ins\box\dfn@ins
10986 \@tempswatrue
10987 \ifdfn@trysingle
10988 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10989 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10990 \advance\@tempdima-\skip\footins
10991 \advance\@tempdima-\ht\dfn@boxa
10992 \ifdim\@tempdima<\z@\else \@tempswafalse
10993 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10994 \footnoterule \unvbox\dfn@boxa}\fi\fi
10995 \if@tempswa
10996 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10997 \global\setbox\footins\vbox{\hbox{%
10998 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10999 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
11000 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
11001 \vbox to\@tempdima{

```



```

11002 \setbox\@tempboxa\vbox{\footnoterule}
11003 \ifdfn@ruleboth \unvbox\@tempboxa
11004 \else \@tempdima\ht\@tempboxa
11005 \advance\@tempdima\dp\@tempboxa
11006 \vskip\@tempdima
11007 \prevdepth\dp\@tempboxa \fi
11008 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
11009 \global\dfn@fnht\z@
11010 \ifx\dfn@list\@empty\else
11011 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dima\z@
11012 \dfn@list \global\advance\dfn@fnht\dfn@dima
11013 \let\@elt\relax
11014 \ifdim\dfn@dima>\z@
11015 \xdef\dfn@list{\@elt{0}{\number\dfn@dima}\dfn@list}%
11016 \insert\footins{\floatingpenalty\MM
11017 \vbox to\dfn@dima}\fi
11018 \ifdim\dfn@fnht>\@tempdima
11019 \@tempdima\@tempdima \advance\@tempdima-\dfn@fnht
11020 \global\dfn@fnht\@tempdima
11021 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdima}}%
11022 \xdef\dfn@afteroutput{\insert\footins{
11023 \floatingpenalty\MM
11024 \vbox to\number\@tempdima sp{}}%
11025 \global\let\noexpand\dfn@afteroutput\relax}%
11026 \fi\fi
11027 \fi}%
11028 \let\footnoterule\relax \dfn@latex@makecol
11029 \let\footnoterule\dfn@footnoterule}
11030 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
11031 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
11032 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
11033 \DFNalwaysdouble

```

79 File diagbox-xetex-bidi.def

```

11034 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package f
11035 \bidi@patchcmd{\diagbox@double}{%
11036 \begin{tabular}{@{\hspace{\diagbox@double}}>{\diagbox@font}l@{}}
11037 }{\bidi@@diagbox@double@ii}{-}{-}
11038 \bidi@patchcmd{\diagbox@double}{%
11039 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
11040 }{\bidi@@diagbox@double@iii}{-}{-}
11041 \newcommand*{\bidi@@diagbox@double@ii}{%
11042 \ifRTL
11043 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
11044 \else
11045 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
11046 \fi
11047 }
11048 \newcommand*{\bidi@@diagbox@double@iii}{%
11049 \ifRTL
11050 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
11051 \else
11052 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}

```



```

11053 \fi
11054 }
11055 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11056   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
11057 }{\bidi@@diagbox@triple@setbox@NW@tabular@ii}{-}{-}
11058 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11059   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
11060 }{\bidi@@diagbox@triple@setbox@NW@tabular@ii}{-}{-}
11061 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
11062   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
11063 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
11064 \newcommand*\bidi@@diagbox@triple@setbox@NW@tabular@ii}{%
11065   \if@RTL
11066     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
11067   \else
11068     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
11069   \fi}
11070 \newcommand*\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
11071   \if@RTL
11072     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
11073   \else
11074     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
11075   \fi}
11076 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
11077 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11078   \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
11079 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
11080 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11081   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
11082 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11083 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
11084   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
11085 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
11086 \newcommand*\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
11087   \if@RTL
11088     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}
11089   \else
11090     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
11091   \fi
11092 }
11093 \newcommand*\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
11094   \if@RTL
11095     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
11096   \else
11097     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}
11098   \fi
11099 }
11100 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
11101 \bidi@patchcmd{\diagbox@double@pict@SE}{%
11102   \diagbox@setlinecolor
11103   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
11104 }{%
11105   {\diagbox@setlinecolor
11106   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%

```



```

11107 }{}{}
11108 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
11109 \bidi@patchcmd{\diagbox@double@pict@NE}{%
11110   \diagbox@setlinecolor
11111   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
11112 }{}{}
11113   {\diagbox@setlinecolor
11114   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
11115 }{}{}
11116 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
11117 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
11118   \diagbox@setlinecolor
11119   \Line(0,\yym)(\x,0)
11120   \Line(\x,\y)(\x,0)}%
11121 }{}{}
11122   {\diagbox@setlinecolor
11123   \Line(0,\yym)(\x,0)
11124   \Line(\x,\y)(\x,0)}%
11125 }{}{}
11126 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
11127   \diagbox@setlinecolor
11128   \Line(0,0)(\xxm,\y)
11129   \Line(0,0)(\x,\yym)}%
11130 }{}{}
11131   {\diagbox@setlinecolor
11132   \Line(0,0)(\xxm,\y)
11133   \Line(0,0)(\x,\yym)}%
11134 }{}{}
11135 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
11136   \diagbox@setlinecolor
11137   \Line(0,\ym)(\x,\y)
11138   \Line(\xm,0)(\x,\y)}%
11139 }{}{}
11140   {\diagbox@setlinecolor
11141   \Line(0,\ym)(\x,\y)
11142   \Line(\xm,0)(\x,\y)}%
11143 }{}{}
11144 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
11145   \diagbox@setlinecolor
11146   \Line(0,\y)(\xxm,0)
11147   \Line(0,\y)(\x,\ym)}%
11148 }{}{}
11149   {\diagbox@setlinecolor
11150   \Line(0,\y)(\xxm,0)
11151   \Line(0,\y)(\x,\ym)}%
11152 }{}{}

```

80 File draftwatermark-xetex-bidi.def

```

11153 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwater
11154 \renewcommand\SetWatermarkText[1]{%
11155   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```



81 File eso-pic-xetex-bidi.def

```
11156 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package f
11157 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
11158   \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}
11159
11160 \ESO@isMEMOIR{%
11161   \renewcommand\AtTextUpperLeft[1]{%
11162     \begingroup
11163       \ifodd\c@page
11164         \if@RTLmain
11165           \ESO@tempdima=\paperwidth
11166           \advance\ESO@tempdima-\textwidth
11167           \advance\ESO@tempdima-\spinemargin
11168         \else
11169           \ESO@tempdima=\spinemargin
11170         \fi
11171       \else
11172         \if@RTLmain
11173           \ESO@tempdima=\spinemargin
11174         \else
11175           \ESO@tempdima=\paperwidth
11176           \advance\ESO@tempdima-\textwidth
11177           \advance\ESO@tempdima-\spinemargin
11178         \fi
11179       \fi
11180       \ESO@tempdimb=-\uppermargin
11181       \AtPageUpperLeft{%
11182         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11183       }%
11184     \endgroup
11185   }
11186 }{%
11187   \renewcommand\AtTextUpperLeft[1]{%
11188     \begingroup
11189       \ESO@tempdima=1in\relax
11190       \if@twoside
11191         \ifodd\c@page
11192           \if@RTLmain
11193             \advance\ESO@tempdima\evensidemargin
11194           \else
11195             \advance\ESO@tempdima\oddsidemargin
11196           \fi
11197         \else
11198           \if@RTLmain
11199             \advance\ESO@tempdima\oddsidemargin
11200           \else
11201             \advance\ESO@tempdima\evensidemargin
11202           \fi
11203         \fi
11204       \else
11205         \advance\ESO@tempdima\oddsidemargin
11206       \fi
11207       \ESO@tempdimb=-1in\relax
```



```

11208     \advance\ESO@tempdimb-\topmargin
11209     \advance\ESO@tempdimb-\headheight
11210     \advance\ESO@tempdimb-\headsep
11211     \AtPageUpperLeft{%
11212       \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
11213     }%
11214   \endgroup
11215 }
11216 }

```

82 File empheq-xetex-bidi.def

```

11217 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for
11218 \MHInternalSyntaxOn
11219 \def\EQ_tag_plus_endmark:{%
11220   \iftagsleft@
11221     \gdef\maketag@@@##1{%
11222       \hfuzz\displaywidth
11223       \if@RTL\makebox[\widthof{##1}][r]{%
11224         \hbox to \displaywidth{\m@th\normalfont##1\hss
11225           \raisebox{-\dp\EQ_mathdisplay_box
11226             -\depthof{\EQ_outerbox:}}{
11227             {\PotEndMark{\hss}}}}
11228       \else\makebox[\widthof{##1}][l]{%
11229         \hbox to \displaywidth{\m@th\normalfont##1\hss
11230           \raisebox{-\dp\EQ_mathdisplay_box
11231             -\depthof{\EQ_outerbox:}}{
11232             {\PotEndMark{\hss}}}}\fi}%
11233   \MH_else:
11234     \gdef\maketag@@@##1{%
11235       \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
11236         \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
11237         \MH_addtolength:dn \@tempdima
11238         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
11239         \setlength{\@tempdimb}
11240         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
11241         +\depthof{\EQ_innerbox:}}}}
11242       \MH_if_dim:w \@tempdima>\@tempdimb
11243       \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
11244         -\@tempdima+\g_EQ_bottomrow_depth_dim}
11245       \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
11246       \def\EQ_next:{\raisebox{\@tempdima}}%
11247       \MH_else:
11248       \def\EQ_next:{
11249         \raisebox{-\dp\EQ_mathdisplay_box
11250           -\depthof{\EQ_outerbox:}}}%
11251       \MH_fi:\EQ_next:}}}%
11252   \MH_fi:}
11253 \def\EQ_post_process:{%
11254   \EQ_initialize:
11255   \EQ_begin_equation:
11256   \MH_if_boolean:nT {outer_mult}{
11257     \setkeys{MT_options_name:}{
11258     firstline-afterskip=0pt,

```



```

11259     lastline-preskip=Opt,
11260     multlined-width=Opt,
11261   }
11262   \ifodd \l_EQ_alignmentmode_int
11263     \setkeys{\MT_options_name:}{multlined-pos=b}
11264   \MH_else:
11265     \setkeys{\MT_options_name:}{multlined-pos=t}
11266   \MH_fi:
11267     \g@addto@macro\EQ_complete_mathdisplay:{
11268       \begin{MTmultlined}\relax}
11269   }
11270   \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
11271   \MH_if_boolean:nT {outer_mult}{
11272     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
11273   }
11274   \EQ_end_equation:
11275   \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
11276   \savecounters@
11277   \EQ_typeset_tags:
11278   \edef\l_EQ_equation_fint{\number\c@equation}
11279   \restorecounters@
11280   \Hy@linkcounter=\EQ_hyperref_link_fint
11281   \settowidth\l_EQ_totalwidth_dim{%
11282     $\EQ_left_side:\EQ_innerbox:{\}\EQ_right_side:$}%
11283   \MH_if_boolean:nTF {outer_mult}
11284     { \def\EQ_next:{_mult} }
11285     { \def\EQ_next:{} }
11286   \@nameuse{EQ_modify_linewidth_
11287     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
11288   \EQ_typeset_display:
11289   \@nameuse{EQ_find_displaywidth_
11290     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11291   \MH_addtolength:dn
11292     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
11293   \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
11294     $\EQ_left_side:
11295     \EQ_innerbox:{%
11296       \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
11297         \makebox[\l_EQ_displaywidth_dim][c]
11298           {\usebox{\EQ_mathdisplay_box}}%
11299       \MH_or:
11300         \makebox[\l_EQ_displaywidth_dim][c]
11301           {\usebox{\EQ_mathdisplay_box}}%
11302       \MH_or:
11303         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11304           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11305             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11306               \kern-\@mathmargin
11307             \MH_fi:
11308           \MH_fi:
11309           \usebox{\EQ_mathdisplay_box}}%
11310         \else\makebox[\l_EQ_displaywidth_dim][l]{%
11311           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11312             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:

```



```

11313         \kern-\@mathmargin
11314         \MH_fi:
11315         \MH_fi:
11316         \usebox{\EQ_mathdisplay_box}}\fi%
11317     \MH_or:
11318     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
11319     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11320     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11321     \kern-\@mathmargin
11322     \MH_fi:
11323     \MH_fi:
11324     \usebox{\EQ_mathdisplay_box}}
11325     \else\makebox[\l_EQ_displaywidth_dim][l]{%
11326     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
11327     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
11328     \kern-\@mathmargin
11329     \MH_fi:
11330     \MH_fi:
11331     \usebox{\EQ_mathdisplay_box}}\fi%
11332     \MH_fi:}%
11333     \EQ_right_side:$}%
11334     \begin{AmSequation*}
11335     \@nameuse{EQ_place_display_
11336     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
11337     \MH_if_dim:w \g_EQ_widesttag_dim>\z@
11338     \MH_set_boolean_T:n {show_manual_tags}
11339     \MH_if_case:w \l_EQ_alignmentmode_int
11340     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
11341     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
11342     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
11343     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
11344     \MH_fi:
11345     \MH_fi:
11346     \end{AmSequation*}
11347     \global\c@equation=\l_EQ_equation_fint\relax
11348 }
11349 \AtBeginDocument{%
11350     \@ifpackageloaded{fancybox}{%
11351     \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
11352     {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
11353     \renewcommand*\shadowbox{%
11354     \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
11355     \VerbBox\EQ_shadowbox:n}
11356     {\MH_set_boolean_F:n {shadowbox_star}
11357     \VerbBox\EQ_shadowbox:n}}
11358     \def\EQ_shadowbox:n #1{%
11359     \sbox{\z@}{\fbox{#1}}%
11360     \MH_if_boolean:nTF {shadowbox_star}{
11361     \MH_setlength:dn \@tempdima{\z@}%
11362     }{
11363     \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
11364     }
11365     \raisebox{\@tempdima}{%
11366     \if@RTL\makebox[\z@][r]{%

```



```

11367         \kern\shadowsize \textcolor{shadowcolor}{%
11368         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
11369     }%
11370     \else\makebox[\z@][l]{%
11371         \kern\shadowsize \textcolor{shadowcolor}{%
11372         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
11373     }\fi%
11374     \usebox\z@\textcolor{shadowcolor}{%
11375     \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
11376 }{}}%
11377 }
11378 \MHInternalSyntaxOff

```

83 File extarticle-xetex-bidi.def

```

11379 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle cla
11380 \renewcommand*\l@section[2]{%
11381   \ifnum \c@tocdepth >\z@
11382     \addpenalty\@secpenalty
11383     \addvspace{1.0em \@plus\p@}%
11384     \setlength\@tempdima{1.5em}%
11385     \begingroup
11386       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11387       \parfillskip -\@pnumwidth
11388       \leavevmode \bfseries
11389       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
11390       \hskip -\if@RTL\rightskip\else\leftskip\fi
11391       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
11392     \endgroup
11393   \fi}
11394 \renewcommand*\l@part[2]{%
11395   \ifnum \c@tocdepth >-2\relax
11396     \addpenalty\@secpenalty
11397     \addvspace{2.25em \@plus\p@}%
11398     \begingroup
11399       \setlength\@tempdima{3em}%
11400       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11401       \parfillskip -\@pnumwidth
11402       {\leavevmode
11403         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11404       \nobreak
11405     \endgroup
11406   \fi}
11407 \def\@part[#1]#2{%
11408   \ifnum \c@secnumdepth >\m@ne
11409     \refstepcounter{part}%
11410     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
11411   \else
11412     \addcontentsline{toc}{part}{#1}%
11413   \fi
11414   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11415     \interlinepenalty \@M
11416     \normalfont
11417     \ifnum \c@secnumdepth >\m@ne

```



```

11418     \Large\bfseries \partname~\thepart
11419     \par\nobreak
11420     \fi
11421     \huge \bfseries #2%
11422     \markboth{}{}\par}%
11423     \nobreak
11424     \vskip 3ex
11425     \@afterheading}
11426 \def\@spart#1{%
11427   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11428     \interlinepenalty \@M
11429     \normalfont
11430     \huge \bfseries #1\par}%
11431     \nobreak
11432     \vskip 3ex
11433     \@afterheading}
11434 \renewenvironment{thebibliography}[1]
11435   {\section*\refname
11436     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
11437     \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
11438     \bidi@thebibliography@font@hook%
11439     \list{\@biblabel{\@arabic\c@enumiv}}%
11440       {\settowidth\labelwidth{\@biblabel{#1}}%
11441         \leftmargin\labelwidth
11442         \advance\leftmargin\labelsep
11443         \@openbib@code
11444         \usecounter{enumiv}%
11445         \let\p@enumiv\@empty
11446         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11447     \sloppy\clubpenalty4000\widowpenalty4000%
11448     \sfcode`..\@m}
11449     {\def\@noitemerr
11450       {\@latex@warning{Empty `thebibliography' environment}}}%
11451     \endlist}
11452 \renewcommand\left@footnoterule{%
11453   \kern-3\p@
11454   \hrule\@width.4\columnwidth
11455   \kern2.6\p@}
11456 \renewcommand\right@footnoterule{%
11457   \kern-3\p@
11458   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11459   \kern2.6\p@}
11460   \if@titlepage
11461   \renewcommand\maketitle{\begin{titlepage}%
11462     \let\footnotesize\small
11463     \let\right@footnoterule\relax
11464     \let\left@footnoterule\relax
11465     \let\textwidth@footnoterule\relax
11466     \let \footnote \thanks
11467     \null\vfil
11468     \vskip 60\p@
11469     \begin{center}%
11470       {\LARGE \@title \par}%
11471       \vskip 3em%

```



```

11472     {\large
11473       \lineskip .75em%
11474       \begin{tabular}[t]{c}%
11475         \@author
11476       \end{tabular}\par}%
11477       \vskip 1.5em%
11478     {\large \@date \par}%           % Set date in \large size.
11479 \end{center}\par
11480 \@thanks
11481 \vfil\null
11482 \end{titlepage}%
11483 \setcounter{footnote}{0}%
11484 \global\let\thanks\relax
11485 \global\let\maketitle\relax
11486 \global\let\@thanks\@empty
11487 \global\let\@author\@empty
11488 \global\let\@date\@empty
11489 \global\let\@title\@empty
11490 \global\let\title\relax
11491 \global\let\author\relax
11492 \global\let\date\relax
11493 \global\let\and\relax
11494 }
11495 \else
11496 \renewcommand\maketitle{\par
11497   \begingroup
11498     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11499     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11500     \long\def\@makefntext##1{\parindent 1em\noindent
11501       \hb@xt@1.8em{%
11502         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11503     \if@twocolumn
11504       \ifnum \col@number=\@ne
11505         \@maketitle
11506       \else
11507         \twocolumn[\@maketitle]%
11508       \fi
11509     \else
11510       \newpage
11511       \global\@topnum\z@ % Prevents figures from going at top of page.
11512       \@maketitle
11513     \fi
11514     \thispagestyle{plain}\@thanks
11515   \endgroup
11516   \setcounter{footnote}{0}%
11517   \global\let\thanks\relax
11518   \global\let\maketitle\relax
11519   \global\let\@maketitle\relax
11520   \global\let\@thanks\@empty
11521   \global\let\@author\@empty
11522   \global\let\@date\@empty
11523   \global\let\@title\@empty
11524   \global\let\title\relax
11525   \global\let\author\relax

```



```

11526 \global\let\date\relax
11527 \global\let\and\relax
11528 }
11529 \def\@maketitle{%
11530 \newpage
11531 \null
11532 \vskip 2em%
11533 \begin{center}%
11534 \let \footnote \thanks
11535 {\LARGE \@title \par}%
11536 \vskip 1.5em%
11537 {\large
11538 \lineskip .5em%
11539 \begin{tabular}[t]{c}%
11540 \@author
11541 \end{tabular}\par}%
11542 \vskip 1em%
11543 {\large \@date}%
11544 \end{center}%
11545 \par
11546 \vskip 1.5em}
11547 \fi
11548 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
11549 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11550 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11551 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

84 File extbook-xetex-bidi.def

```

11552 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for
11553 \if@titlepage
11554 \renewcommand\maketitle{\begin{titlepage}%
11555 \let\footnotesize\small
11556 \let\right@footnoterule\relax
11557 \let\left@footnoterule\relax
11558 \let\textwidth@footnoterule\relax
11559 \let \footnote \thanks
11560 \let \LTRfootnote \LTRthanks
11561 \let \RTLfootnote \RTLthanks
11562 \null\vfil
11563 \vskip 60\p@
11564 \begin{center}%
11565 {\LARGE \@title \par}%
11566 \vskip 3em%
11567 {\large
11568 \lineskip .75em%
11569 \begin{tabular}[t]{c}%
11570 \@author
11571 \end{tabular}\par}%
11572 \vskip 1.5em%
11573 {\large \@date \par}% % Set date in \large size.
11574 \end{center}\par
11575 \@thanks
11576 \vfil\null

```




```

11577 \end{titlepage}%
11578 \setcounter{footnote}{0}%
11579 \global\let\thanks\relax
11580 \global\let\LTRthanks\relax
11581 \global\let\RTLthanks\relax
11582 \global\let\maketitle\relax
11583 \global\let\@thanks\@empty
11584 \global\let\@author\@empty
11585 \global\let\@date\@empty
11586 \global\let\@title\@empty
11587 \global\let\title\relax
11588 \global\let\author\relax
11589 \global\let\date\relax
11590 \global\let\and\relax
11591 }
11592 \else
11593 \renewcommand\maketitle{\par
11594 \begingroup
11595   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
11596   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
11597   \long\def\@makefntext##1{\parindent 1em\noindent
11598     \hb@xt@1.8em{%
11599       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
11600   \if@twocolumn
11601     \ifnum \col@number=\@ne
11602       \maketitle
11603     \else
11604       \twocolumn[\maketitle]%
11605     \fi
11606   \else
11607     \newpage
11608     \global\@topnum\z@ % Prevents figures from going at top of page.
11609     \maketitle
11610   \fi
11611   \thispagestyle{plain}\@thanks
11612 \endgroup
11613 \setcounter{footnote}{0}%
11614 \global\let\thanks\relax
11615 \global\let\LTRthanks\relax
11616 \global\let\RTLthanks\relax
11617 \global\let\maketitle\relax
11618 \global\let\@maketitle\relax
11619 \global\let\@thanks\@empty
11620 \global\let\@author\@empty
11621 \global\let\@date\@empty
11622 \global\let\@title\@empty
11623 \global\let\title\relax
11624 \global\let\author\relax
11625 \global\let\date\relax
11626 \global\let\and\relax
11627 }
11628 \def\maketitle{%
11629 \newpage
11630 \null

```



```

11631 \vskip 2em%
11632 \begin{center}%
11633 \let \footnote \thanks
11634 \let \LTRfootnote \LTRthanks
11635 \let \RTLfootnote \RTLthanks
11636 {\LARGE \@title \par}%
11637 \vskip 1.5em%
11638 {\large
11639 \lineskip .5em%
11640 \begin{tabular}[t]{c}%
11641 \@author
11642 \end{tabular}\par}%
11643 \vskip 1em%
11644 {\large \@date}%
11645 \end{center}%
11646 \par
11647 \vskip 1.5em}
11648 \fi
11649 \renewcommand*\l@part[2]{%
11650 \ifnum \c@tocdepth >-2\relax
11651 \addpenalty{-\@highpenalty}%
11652 \addvspace{2.25em \@plus\p}%
11653 \begingroup
11654 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
11655 \parfillskip -\@pnumwidth
11656 {\leavevmode
11657 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
11658 \nobreak
11659 \global\@nobreaktrue
11660 \everypar{\global\@nobreakfalse\everypar{}}%
11661 \endgroup
11662 \fi}
11663 \renewcommand\theequation
11664 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11665 \renewcommand \thefigure
11666 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11667 \renewcommand \thetable
11668 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11669 \renewcommand \thechapter {\@arabic\c@chapter}
11670 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11671 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11672 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11673 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11674 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
11675 \def\@makechapterhead#1{%
11676 \vspace*{50\p}%
11677 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
11678 \ifnum \c@secnumdepth >\m@ne
11679 \if@mainmatter
11680 \huge\bfseries \@chapapp\space \thechapter
11681 \par\nobreak
11682 \vskip 20\p@
11683 \fi
11684 \fi}

```



```

11685 \interlinepenalty\@M
11686 \Huge \bfseries #1\par\nobreak
11687 \vskip 40\p@
11688 }
11689
11690 \def\@makeschapterhead#1{%
11691 \vspace*{50\p@}%
11692 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
11693 \normalfont
11694 \interlinepenalty\@M
11695 \Huge \bfseries #1\par\nobreak
11696 \vskip 40\p@
11697 }}
11698 \renewcommand\backmatter{%
11699 \if@openright
11700 \cleardoublepage
11701 \else
11702 \clearpage
11703 \fi
11704 \@mainmatterfalse}
11705 \renewenvironment{thebibliography}[1]
11706 {\chapter*\bibname
11707 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
11708 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11709 \bidi@thebibliography@font@hook%
11710 \list{\@biblabel{\@arabic\c@enumiv}}%
11711 {\settowidth\labelwidth{\@biblabel{#1}}%
11712 \leftmargin\labelwidth
11713 \advance\leftmargin\labelsep
11714 \@openbib@code
11715 \usecounter{enumiv}}%
11716 \let\p@enumiv\@empty
11717 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
11718 \sloppy
11719 \clubpenalty4000
11720 \@clubpenalty \clubpenalty
11721 \widowpenalty4000%
11722 \sfcode\.\@m}
11723 {\def\@noitemerr
11724 {\@latex@warning{Empty `thebibliography' environment}}}%
11725 \endlist}

```

85 File extletter-xetex-bidi.def

```

11726 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
11727 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
11728 \thispagestyle{firstpage}%
11729 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
11730 \else % home address
11731 \thispagestyle{empty}%
11732 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignore
11733 \fromaddress \*[2\parskip]%
11734 \@date \end{tabular}\par}%
11735 \fi

```



```

11736 \vspace{2\parskip}%
11737 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
11738 \vspace{2\parskip}%
11739 #1\par\nobreak}
11740 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
11741 \stopbreaks
11742 \noindent
11743 \ifx\@empty\fromaddress\else
11744 \hspace*{\longindentation}\fi
11745 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
11746 \ignorespaces #1\ \ [6\medskipamount]}
11747 \ifx\@empty\fromsig
11748 \fromname
11749 \else \fromsig \fi\strut}%
11750 \par}
11751 \renewcommand\left@footnoterule{%
11752 \kern-\p@
11753 \hrule \@width .4\columnwidth
11754 \kern .6\p@}
11755 \renewcommand\right@footnoterule{%
11756 \kern-\p@
11757 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11758 \kern .6\p@}

```

86 File extrafootnotefeatures-xetex-bidi.def

```

11759 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2023/08/02 v2.6 bidi extra footnote feat
11760 \newdimen\bidi@columnwidth
11761 \def\bidi@floathook{%
11762 \bidi@columnwidth\columnwidth
11763 }
11764 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
11765 \if@bidi@csundef{ifHy@hyperfootnotes}{-}{-%
11766 \if@bidi@csundef{HLTR@@LTRfootnotetext}{-}{-%
11767 \ifHy@hyperfootnotes
11768 \let\@H@@footnotetext\@footnotetext
11769 \let\@HLTR@@LTRfootnotetext\@LTRfootnotetext
11770 \let\@HRTL@@RTLfootnotetext\@RTLfootnotetext
11771 \let\@H@@mpfootnotetext\@mpfootnotetext
11772 \let\@HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
11773 \let\@HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
11774 \fi
11775 }%
11776 }%
11777 }
11778 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
11779 \if@bidi@csundef{ifHy@hyperfootnotes}{-}{-%
11780 \if@bidi@csundef{HLTR@@LTRfootnotetext}{-}{-%
11781 \ifHy@hyperfootnotes
11782 \let\H@@footnotetext\@footnotetext
11783 \let\@footnotetext\@H@@footnotetext
11784 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
11785 \let\@LTRfootnotetext\@HLTR@@LTRfootnotetext
11786 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext

```



```

11787 \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
11788 \let\H@mpfootnotetext\mpfootnotetext
11789 \let\@mpfootnotetext\@H@mpfootnotetext
11790 \let\HLTR@mpLTRfootnotetext\mpLTRfootnotetext
11791 \let\@mpLTRfootnotetext\@HLTR@mpLTRfootnotetext
11792 \let\HRTL@mpRTLfootnotetext\mpRTLfootnotetext
11793 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
11794 \fi
11795 }%
11796 }%
11797 }
11798 \let\autofooterule\relax
11799 \let\rightfootnoterule\relax
11800 \let\leftfootnoterule\relax
11801 \let\textwidthfootnoterule\relax
11802 \let\LRfootnoterule\relax
11803 \def\footnoterule{\kern-3\p@
11804 \hrule \@width \columnwidth \kern 2.6\p@}
11805 \newcommand{\@preamnormalfmt}{%
11806 \parindent 1em%
11807 \noindent
11808 }
11809 \newcommand{\@normalfootfmt}[1]{%
11810 \@preamnormalfmt
11811 \footfootmark
11812 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
11813 \@finalstrut\strutbox
11814 }
11815 \newcommand{\@normalRTLfootfmt}[1]{%
11816 \@preamnormalfmt
11817 \RTLfootfootmark
11818 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
11819 \@finalstrut\strutbox
11820 }
11821 \newcommand{\@normalLTRfootfmt}[1]{%
11822 \@preamnormalfmt
11823 \LTRfootfootmark
11824 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
11825 \@finalstrut\strutbox
11826 }
11827 \renewcommand{\@footnotetext}[1]{%
11828 \insert\footins{%
11829 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11830 \def\baselinestretch{\m@m@footnote@spacing}%
11831 \reset@font
11832 \foottextfont
11833 \@preamfntext
11834 \hsize\columnwidth
11835 \protected@edef\@currentlabel{%
11836 \csname p@footnote\endcsname\@thefnmark}%
11837 \color@begingroup
11838 \@normalfootfmt{#1}%
11839 \color@endgroup}%
11840 \m@mmf@prepare}

```



```

11841 \newcommand{\bidi@bidiold@footnotetext}[1]{%
11842   \bidi@step@absolute@footnote@count
11843     \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11844     \insert\footins{%
11845       \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11846       \def\baselinestretch{\m@m@footnote@spacing}%
11847       \reset@font
11848       \foottextfont
11849       \@preamftext
11850       \hsize\columnwidth
11851       \protected@edef\@currentlabel{%
11852         \csname p@footnote\endcsname\@thefnmark}%
11853       \color@begingroup
11854         \@normalfootfmt{#1}%
11855       \color@endgroup}%
11856       \m@mmf@prepare
11857 }
11858 \renewcommand{\@RTLfootnotetext}[1]{%
11859   \insert\footins{%
11860     \@RTLtrue%
11861     \def\baselinestretch{\m@m@footnote@spacing}%
11862     \reset@font
11863     \RTLfoottextfont
11864     \@preamftext
11865     \hsize\columnwidth
11866     \protected@edef\@currentlabel{%
11867       \csname p@footnote\endcsname\@thefnmark}%
11868     \color@begingroup
11869     \@normalRTLfootfmt{#1}%
11870     \color@endgroup}%
11871     \m@mmf@prepare}
11872 \newcommand{\bidi@bidiold@RTLfootnotetext}[1]{%
11873   \bidi@step@absolute@footnote@count
11874     \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
11875     \insert\footins{%
11876       \@RTLtrue%
11877       \def\baselinestretch{\m@m@footnote@spacing}%
11878       \reset@font
11879       \RTLfoottextfont
11880       \@preamftext
11881       \hsize\columnwidth
11882       \protected@edef\@currentlabel{%
11883         \csname p@footnote\endcsname\@thefnmark}%
11884       \color@begingroup
11885         \@normalRTLfootfmt{#1}%
11886       \color@endgroup}%
11887       \m@mmf@prepare
11888 }
11889 \renewcommand{\@LTRfootnotetext}[1]{%
11890   \insert\footins{%
11891     \@RTLfalse%
11892     \def\baselinestretch{\m@m@footnote@spacing}%
11893     \reset@font
11894     \LTRfoottextfont

```



```

11895 \@preamfntext
11896 \hsize\columnwidth
11897 \protected@edef\@currentlabel{%
11898   \csname p@footnote\endcsname\@thefnmark}%
11899 \color@begingroup
11900   \@normalLTRfootfmt{#1}%
11901 \color@endgroup}%
11902 \m@mmf@prepare}
11903 \renewcommand{\@mpfootnotetext}[1]{%
11904   \global\setbox\@mpfootins\vbox{%
11905     \unvbox\@mpfootins
11906     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
11907     \def\baselinestretch{\m@m@footnote@spacing}%
11908     \reset@font%
11909     \foottextfont \hsize\columnwidth \@parboxrestore
11910     \protected@edef\@currentlabel{%
11911       \csname p@mpfootnote\endcsname\@thefnmark}%
11912     \color@begingroup
11913     \@normalfootfmt{#1}%
11914     \color@endgroup}}
11915 \newcommand{\@bidi@bidiold@mpfootnotetext}[1]{%
11916   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
11917   \global\setbox\@mpfootins\vbox{%
11918     \unvbox\@mpfootins
11919     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11920     \def\baselinestretch{\m@m@footnote@spacing}%
11921     \reset@font%
11922     \foottextfont \hsize\columnwidth \@parboxrestore
11923     \protected@edef\@currentlabel{%
11924       \csname p@mpfootnote\endcsname\@thefnmark}%
11925     \color@begingroup
11926     \@normalfootfmt{#1}%
11927     \color@endgroup}}
11928 \renewcommand{\@mpLTRfootnotetext}[1]{%
11929   \global\setbox\@mpfootins\vbox{%
11930     \unvbox\@mpfootins
11931     \@RTLfalse
11932     \def\baselinestretch{\m@m@footnote@spacing}%
11933     \reset@font%
11934     \LTRfoottextfont \hsize\columnwidth \@parboxrestore
11935     \protected@edef\@currentlabel{%
11936       \csname p@mpfootnote\endcsname\@thefnmark}%
11937     \color@begingroup
11938     \@normalLTRfootfmt{#1}%
11939     \color@endgroup}}
11940 \renewcommand{\@mpRTLfootnotetext}[1]{%
11941   \global\setbox\@mpfootins\vbox{%
11942     \unvbox\@mpfootins
11943     \@RTLtrue
11944     \def\baselinestretch{\m@m@footnote@spacing}%
11945     \reset@font%
11946     \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11947     \protected@edef\@currentlabel{%
11948       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

11949 \color@begingroup
11950 \normalRTLfootfmt{#1}%
11951 \color@endgroup}}
11952 \newcommand{\bidi@bidiold@mpRTLfootnotetext}[1]{%
11953 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
11954 \global\setbox\@mpfootins\vbox{%
11955 \unvbox\@mpfootins
11956 \RTLtrue
11957 \def\baselinestretch{\m@m@footnote@spacing}%
11958 \reset@font%
11959 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
11960 \protected@edef\@currentlabel{%
11961 \csname p@mpfootnote@endcsname\@thefnmark}%
11962 \color@begingroup
11963 \normalRTLfootfmt{#1}%
11964 \color@endgroup}}
11965 \let\m@mold@footnotetext\@footnotetext
11966 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
11967 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
11968 \let\m@mold@mpfootnotetext\@mpfootnotetext
11969 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
11970 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
11971 \bidi@ensure@newcommand{\normalfootnotes}{%
11972 \@bidi@before@Hy@hyperfootnotes
11973 \let\@footnotetext\m@mold@footnotetext
11974 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
11975 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
11976 \let\@mpfootnotetext\m@mold@mpfootnotetext
11977 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
11978 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
11979 \@bidi@after@Hy@hyperfootnotes
11980 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11981 }
11982 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
11983 \bidi@ensure@newcommand*\setSingleSpace}[1]{%
11984 \def\m@m@singlespace{#1}%
11985 \def\m@m@footnote@spacing{#1}%
11986 \def\m@m@float@spacing{#1} %
11987 }
11988 \setSingleSpace{1}
11989 \bidi@ensure@newcommand*\multiplefootnotemarker}{3sp}
11990 \bidi@ensure@newcommand*\m@m@mmf@prepare}{%
11991 \kern-\multiplefootnotemarker
11992 \kern\multiplefootnotemarker\relax}
11993 \bidi@ensure@newlength{\footmarkwidth}
11994 \bidi@ensure@newcommand*\footmarkstyle}[1]{\def\footscript##1{#1}}
11995 \bidi@ensure@newcommand*\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
11996 \bidi@ensure@newcommand*\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
11997 \bidi@ensure@newcommand{\footfootmark}{%
11998 \ifdim\footmarkwidth < \z@
11999 \llap{\hb@xt@ -\footmarkwidth{%
12000 \hss\normalfont\footscript{\@thefnmark}}%
12001 \hspace*{-\footmarkwidth}}%
12002 \else

```




```

12003 \ifdim\footmarkwidth = \z@
12004   {\normalfont\footscript{\@thefnmark}}%
12005 \else
12006   \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
12007 \fi
12008 \fi}
12009 \bidi@ensure@newcommand{\LTRfootfootmark}{%
12010 \ifdim\footmarkwidth < \z@
12011   \llap{\hb@xt@ -\footmarkwidth{%
12012     \hss\normalfont\LTRfootscript{\@thefnmark}}%
12013     \hspace*{-\footmarkwidth}}%
12014 \else
12015   \ifdim\footmarkwidth = \z@
12016     {\normalfont\LTRfootscript{\@thefnmark}}%
12017   \else
12018     \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
12019   \fi
12020 \fi}
12021 \bidi@ensure@newcommand{\RTLfootfootmark}{%
12022 \ifdim\footmarkwidth < \z@
12023   \llap{\hb@xt@ -\footmarkwidth{%
12024     \hss\normalfont\RTLfootscript{\@thefnmark}}%
12025     \hspace*{-\footmarkwidth}}%
12026 \else
12027   \ifdim\footmarkwidth = \z@
12028     {\normalfont\RTLfootscript{\@thefnmark}}%
12029   \else
12030     \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
12031   \fi
12032 \fi}
12033 \footmarkstyle{\textsuperscript{#1}}
12034 \LTRfootmarkstyle{\textsuperscript{#1}}
12035 \RTLfootmarkstyle{\textsuperscript{#1}}
12036 \newcommand*\bidi@normal@footmarkwidth{%
12037 \setlength{\footmarkwidth}{1em plus .3em minus .3em}%
12038 }
12039 \newcommand*\bidi@star@footmarkwidth{%
12040 \setlength{\footmarkwidth}{0em plus .3em minus .3em}%
12041 }
12042 \bidi@normal@footmarkwidth
12043 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
12044 \bidi@ensure@newcommand*\extrafeetins{%
12045 \bidi@joinfootnotes\footinsv@r\@footstartv@r\@footgroupv@r
12046 \bidi@joinfootnotes\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12047 \bidi@joinfootnotes\@bidi@copyins@{}{\unvbox\@bidi@copyins@}%
12048 \extrafeetinshook}
12049 \bidi@ensure@newcommand{\extrafeetinshook}{%
12050 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
12051 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
12052 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
12053 \bidi@ensure@newlength{\footinsdim}
12054 \setlength{\footinsdim}{8in} % standard for \dimen\footins
12055 \bidi@ensure@newcommand{\@preamfntext}{%
12056 \interlinepenalty\interfootnotelinepenalty

```



```

12057 \floatingpenalty \@MM
12058 \splittopskip=\footnotesep
12059 \splitmaxdepth=\dp\strutbox
12060 \@parboxrestore}
12061 \def\ bidi@ifmulticol#1#2{\@tempswafalse
12062 \ifnum\col@number>\@ne
12063 \ifnum\count\footins>1999 \@tempswatruue \fi
12064 \fi
12065 \if@tempswa #1\else #2\fi
12066 }
12067 \def\ bidi@joinfootnotes#1#2#3{%
12068 \ifvoid#1
12069 \else
12070 \@tempskipa\skip#1%
12071 \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
12072 \edef\ bidi@footskip{\vskip\the\@tempskipa\relax}%
12073 \bidi@removexfootskip
12074 \ifvoid\footins
12075 \global\setbox\footins\vbox{#2#3}%
12076 \else
12077 \global\setbox\footins\vbox{%
12078 \unvbox\footins
12079 \bidi@footskip
12080 #2#3%
12081 }%
12082 \fi
12083 \fi
12084 }
12085 \def\ bidi@reinsertfootnote#1#2#3{%
12086 \ifvoid#1%
12087 \else
12088 \insert\footins{#2#3}%
12089 \fi
12090 }
12091 \def\ bidi@joinmpfootnotes#1#2#3{%
12092 \ifvoid#1
12093 \else
12094 \@tempskipa\skip#1%
12095 \bidi@ifmulticol{\divide\@tempskipa\col@number}{}%
12096 \edef\ bidi@footskip{\vskip\the\@tempskipa\relax}%
12097 \bidi@removexfootskip
12098 \ifvoid\@mpfootins
12099 \global\setbox\@mpfootins\vbox{#2#3}%
12100 \else
12101 \global\setbox\@mpfootins\vbox{%
12102 \unvbox\@mpfootins
12103 \bidi@footskip
12104 #2#3%
12105 }%
12106 \fi
12107 \fi
12108 }
12109 \newcount\ bidi@absolutepage@count
12110 \bidi@absolutepage@count\@ne

```



```

12111 \newcount\ bidi@absolutefootnote@count
12112 \bidi@AfterOutputBoxOutputPage{%
12113   \if@filesw
12114     \edef\@tempa{%
12115       \write\@auxout{%
12116         \string\ bidi@finalfootnoteperpage%
12117         {\noexpand\number\noexpand\ bidi@absolute@page@count}%
12118         {\noexpand\number\noexpand\ bidi@absolutefootnote@count}%
12119       }%
12120     }%
12121     \@tempa
12122   \fi
12123 }
12124 \bidi@AtEndOutputPage{%
12125   \global\advance\ bidi@absolute@page@count\@ne
12126 }
12127 \newcommand*\ \bidi@finalfootnoteperpage}[2]{%
12128   \expandafter\ gdef\ csname\ bidi@currentpagefinalfootnote@#1\endcsname{#2}%
12129 }
12130 \newif\if@ bidi@finalfootnoteperpage
12131 \newcommand{\ \bidi@ifafterfinalfootnoteperpage}[2]{%
12132   \if@ bidi@csundef{ \bidi@currentpagefinalfootnote@@\number\ bidi@absolute@page@count}{%
12133     \global\@ bidi@finalfootnoteperpagetrue
12134   }{%
12135     \global\@ bidi@finalfootnoteperpagefalse
12136     \ifnum\ bidi@absolutefootnote@count=\ bidi@csuse{ \bidi@currentpagefinalfootnote@@\number\ bi
12137       #1%
12138     }%
12139     \else
12140       #2%
12141     }%
12142 }
12143 \newcommand{\ \bidi@reinsertfinalfootnoteperpage}[3]{%
12144   \bidi@ifafterfinalfootnoteperpage{%
12145     \bidi@reinsertfootnote{#1}{#2}{#3}%
12146   }{%
12147   }%
12148 }
12149 \newcommand*\ \bidi@step@absolutefootnote@count}{%
12150   \global\advance\ bidi@absolutefootnote@count\@ne
12151 }
12152 \bidi@AfterEndDocumentCheckLabelsRerun{%
12153   \if@ bidi@finalfootnoteperpage
12154     \PackageWarningNoLine{ \bidi}{%
12155       The absolute final footnote is not
12156       known on every page of your
12157       document. Rerun TeX to get the
12158       absolute final footnote on every page
12159       of your document%
12160     }%
12161   \fi
12162 }
12163 \bidi@ensure@newcommand{\ m@mdoextrafeetmini}{%
12164   \extrafeetminihook}

```



```

12165 \bidi@ensure@newcommand{\extrafeetendmini}{%
12166 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12167 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12168 \extrafeetendminihook}
12169 \bidi@ensure@newcommand{\extrafeetendminihook}{%}
12170 \bidi@ensure@newcommand{\m@doextrafeetendmini}{\extrafeetendmini}
12171 \def\endminipage{%
12172 \par
12173 \unskip
12174 \m@doextrafeetendmini
12175 \ifvoid\@mpfootins
12176 \else
12177 \vskip\skip\@mpfootins
12178 \normalcolor
12179 \footnoterule
12180 \unvbox\@mpfootins
12181 \fi
12182 \@minipagefalse
12183 \color@endgroup
12184 \egroup
12185 \expandafter\@iiiiparbox\@mpargs{\unvbox\@tempboxa}}
12186 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
12187 \@namedef{@footstart#1}{%
12188 \leftskip=\z@
12189 \rightskip=\z@
12190 \parindent=\z@
12191 }%
12192 }
12193 \newinsert\footinsv@r
12194 \skip\footinsv@r\skip\footins
12195 \count\footinsv@r=1000 % no magnification
12196 \dimen\footinsv@r=\footinsdim
12197 \m@make@footstart{v@r}
12198 \newinsert\footinsv@l
12199 \skip\footinsv@l\skip\footins
12200 \count\footinsv@l=1000 % no magnification
12201 \dimen\footinsv@l=\footinsdim
12202 \m@make@footstart{v@l}
12203 \bidi@ensure@newcommand{\@footgroupv@r}{%}
12204 \newinsert\@mpfootinsv@r
12205 \skip\@mpfootinsv@r\skip\@mpfootins
12206 \newinsert\@mpfootinsv@l
12207 \skip\@mpfootinsv@l\skip\@mpfootins
12208 \bidi@ensure@newcommand{\mp@footgroupv@r}{%}
12209 \newcount\m@mk \newdimen\m@m@h
12210 \bidi@ensure@newcommand*{\m@rigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12211 \@@line{\beginR\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12212 \valign{##\vfill\cr\m@mdosplits}\endR}}
12213 \newcommand*{\bidi@LTRrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
12214 \@@line{\beginL\splittopskip=\m@m@h \vbadness=\@M \hfilneg
12215 \valign{##\vfill\cr\m@mdosplits}\endL}}
12216 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
12217 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
12218 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0

```



```

12219 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
12220 \setbox2 \vsplit0 to \dimen0
12221 \unvbox2 }
12222 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
12223 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12224 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12225 \@bidi@before@Hy@hyperfootnotes
12226 \let\@footnotetext\@twocolfootnotetext
12227 \let\@LTRfootnotetext\@twocolLTRfootnotetext
12228 \let\@RTLfootnotetext\@twocolRTLfootnotetext
12229 \dimen\footinsv@r=2\footinsdim
12230 \count\footinsv@r=500\relax
12231 \m@make@twocol@footgroup{v@r}%
12232 \let\@footgroupv@r\@twocol@footgroupv@r
12233 \dimen\footinsv@l=2\footinsdim
12234 \count\footinsv@l=500\relax
12235 \bidi@make@twocol@LTRfootgroup{v@l}%
12236 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12237 \let\@mpfootnotetext\@mptwocolfootnotetext
12238 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
12239 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
12240 \@bidi@after@Hy@hyperfootnotes
12241 \m@make@mptwocol@footgroup{v@r}%
12242 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
12243 \bidi@make@mptwocol@LTRfootgroup{v@l}%
12244 \let\mp@LTRfootgroupv@l\@mptwocol@LTRfootgroupv@l
12245 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12246 }
12247 \newcommand{\TwoColumnFootnotes}{%
12248 \@namedef{foottextfontv@r}{\foottextfont}%
12249 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12250 \@bidi@before@Hy@hyperfootnotes
12251 \let\@footnotetext\@TwoColfootnotetext
12252 \let\@LTRfootnotetext\@TwoColLTRfootnotetext
12253 \let\@RTLfootnotetext\@TwoColRTLfootnotetext
12254 \dimen\footinsv@r=2\footinsdim
12255 \count\footinsv@r=500\relax
12256 \m@make@twocol@footgroup{v@r}%
12257 \let\@footgroupv@r\@twocol@footgroupv@r
12258 \dimen\footinsv@l=2\footinsdim
12259 \count\footinsv@l=500\relax
12260 \bidi@make@twocol@LTRfootgroup{v@l}%
12261 \let\@LTRfootgroupv@l\@twocol@LTRfootgroupv@l
12262 \let\@mpfootnotetext\@mpTwoColfootnotetext
12263 \let\@mpLTRfootnotetext\@mpTwoColLTRfootnotetext
12264 \let\@mpRTLfootnotetext\@mpTwoColRTLfootnotetext
12265 \@bidi@after@Hy@hyperfootnotes
12266 \m@make@mptwocol@footgroup{v@r}%
12267 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
12268 \bidi@make@mptwocol@LTRfootgroup{v@l}%
12269 \let\mp@LTRfootgroupv@l\@mptwocol@LTRfootgroupv@l
12270 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12271 }
12272 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert

```



```

12273 \if@RTL@footnote
12274 \footinsv@r
12275 \else
12276 \footinsv@l
12277 \fi
12278 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12279 \def\baselinestretch{\m@m@footnote@spacing}%
12280 \reset@font\foottextfont
12281 \@preamfntext
12282 \protected@edef\@currentlabel{%
12283 \csname p@footnote\endcsname\@thefnmark}%
12284 \color@begingroup
12285 \@twocolfootfmt{#1}%
12286 \color@endgroup}%
12287 \m@mmf@prepare}
12288 \newcommand{\@TwoColfootnotetext}[1]{%
12289 \bidi@step@absolute@footnote@count
12290 \if@RTL@footnote
12291 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12292 \else
12293 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12294 \fi
12295 \global\setbox
12296 \if@RTL@footnote
12297 \footinsv@r
12298 \else
12299 \footinsv@l
12300 \fi
12301 \vbox{%
12302 \unvbox
12303 \if@RTL@footnote
12304 \footinsv@r
12305 \else
12306 \footinsv@l
12307 \fi
12308 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12309 \def\baselinestretch{\m@m@footnote@spacing}%
12310 \reset@font\foottextfont
12311 \@preamfntext
12312 \protected@edef\@currentlabel{%
12313 \csname p@footnote\endcsname\@thefnmark}%
12314 \color@begingroup
12315 \@twocolfootfmt{#1}%
12316 \color@endgroup}%
12317 \m@mmf@prepare
12318 \if@RTL@footnote
12319 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12320 \else
12321 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12322 \fi
12323 }
12324 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12325 \def\baselinestretch{\m@m@footnote@spacing}%
12326 \reset@font\LTRfoottextfont

```



```

12327 \@preamfntext
12328 \protected@edef\@currentlabel{%
12329   \csname p@footnote\endcsname\@thefnmark}%
12330 \color@begingroup
12331   \@twocolLTRfootfmt{#1}%
12332 \color@endgroup}%
12333 \m@mmf@prepare}
12334 \newcommand{\@TwoColLTRfootnotetext}[1]{%
12335   \bidi@step@absolute@footnote@count
12336 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12337 \global\setbox\footinsv@l\vbox{%
12338   \unvbox\footinsv@l
12339   \@RTLfalse
12340   \def\baselinestretch{\m@m@footnote@spacing}%
12341   \reset@font\LTRfoottextfont
12342   \@preamfntext
12343   \protected@edef\@currentlabel{%
12344     \csname p@footnote\endcsname\@thefnmark}%
12345   \color@begingroup
12346     \@twocolLTRfootfmt{#1}%
12347   \color@endgroup}%
12348   \m@mmf@prepare
12349 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12350 }
12351 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12352   \def\baselinestretch{\m@m@footnote@spacing}%
12353   \reset@font\RTLfoottextfont
12354   \@preamfntext
12355   \protected@edef\@currentlabel{%
12356     \csname p@footnote\endcsname\@thefnmark}%
12357   \color@begingroup
12358     \@twocolRTLfootfmt{#1}%
12359   \color@endgroup}%
12360   \m@mmf@prepare}
12361 \newcommand{\@TwoColRTLfootnotetext}[1]{%
12362   \bidi@step@absolute@footnote@count
12363 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12364 \global\setbox\footinsv@r\vbox{%
12365   \unvbox\footinsv@r
12366   \@RTLtrue
12367   \def\baselinestretch{\m@m@footnote@spacing}%
12368   \reset@font\RTLfoottextfont
12369   \@preamfntext
12370   \protected@edef\@currentlabel{%
12371     \csname p@footnote\endcsname\@thefnmark}%
12372   \color@begingroup
12373     \@twocolRTLfootfmt{#1}%
12374   \color@endgroup}%
12375   \m@mmf@prepare
12376 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12377 }
12378 \bidi@ensure@newcommand{\@preamtwofmt}{%
12379   \hspace .45\hspace
12380   \parindent=\z@

```



```

12381 \tolerance=5000\relax
12382 \leavevmode}
12383 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
12384   \@preamtwofmt
12385   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12386 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
12387   \@preamtwofmt
12388   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12389 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
12390   \@preamtwofmt
12391   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12392 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
12393   \global\setbox
12394     \if@RTL@footnote
12395     \@mpfootinsv@r
12396   \else
12397     \@mpfootinsv@l
12398   \fi
12399   \vbox{%
12400     \unvbox
12401     \if@RTL@footnote
12402     \@mpfootinsv@r
12403   \else
12404     \@mpfootinsv@l
12405   \fi
12406   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12407   \def\baselinestretch{\m@m@footnote@spacing}%
12408   \reset@font\foottextfont
12409   \hsize\columnwidth \@parboxrestore
12410   \protected@edef\@currentlabel{%
12411     \csname p@mpfootnote\endcsname\@thefnmark}%
12412   \color@begingroup
12413     \@twocolfootfmt{#1}%
12414   \color@endgroup}%
12415   \m@mmf@prepare}
12416 \newcommand{\@mpTwoColfootnotetext}[1]{%
12417   \if@RTL@footnote
12418     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12419   \else
12420     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12421   \fi
12422   \global\setbox
12423     \if@RTL@footnote
12424     \@mpfootinsv@r
12425   \else
12426     \@mpfootinsv@l
12427   \fi
12428   \vbox{%
12429     \unvbox
12430     \if@RTL@footnote
12431     \@mpfootinsv@r
12432   \else
12433     \@mpfootinsv@l
12434   \fi

```




```

12435 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12436 \def\baselinestretch{\m@m@footnote@spacing}%
12437 \reset@font\foottextfont
12438 \hsize\columnwidth \@parboxrestore
12439 \protected@edef\@currentlabel{%
12440 \csname p@mpfootnote\endcsname\@thefnmark}%
12441 \color@begingroup
12442 \@twocolfootfmt{#1}%
12443 \color@endgroup}%
12444 \m@mmf@prepare}
12445 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
12446 \global\setbox\@mpfootinsv@1\vbox{%
12447 \unvbox\@mpfootinsv@1
12448 \@RTLfalse
12449 \def\baselinestretch{\m@m@footnote@spacing}%
12450 \reset@font\LTRfoottextfont
12451 \hsize\columnwidth \@parboxrestore
12452 \protected@edef\@currentlabel{%
12453 \csname p@mpfootnote\endcsname\@thefnmark}%
12454 \color@begingroup
12455 \@twocolLTRfootfmt{#1}%
12456 \color@endgroup}%
12457 \m@mmf@prepare}
12458 \newcommand{\@mpTwoCollTRfootnotetext}[1]{%
12459 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12460 \global\setbox\@mpfootinsv@1\vbox{%
12461 \unvbox\@mpfootinsv@1
12462 \@RTLfalse
12463 \def\baselinestretch{\m@m@footnote@spacing}%
12464 \reset@font\LTRfoottextfont
12465 \hsize\columnwidth \@parboxrestore
12466 \protected@edef\@currentlabel{%
12467 \csname p@mpfootnote\endcsname\@thefnmark}%
12468 \color@begingroup
12469 \@twocolLTRfootfmt{#1}%
12470 \color@endgroup}%
12471 \m@mmf@prepare}
12472 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
12473 \global\setbox\@mpfootinsv@r\vbox{%
12474 \unvbox\@mpfootinsv@r
12475 \@RTLtrue
12476 \def\baselinestretch{\m@m@footnote@spacing}%
12477 \reset@font\RTLfoottextfont
12478 \hsize\columnwidth \@parboxrestore
12479 \protected@edef\@currentlabel{%
12480 \csname p@mpfootnote\endcsname\@thefnmark}%
12481 \color@begingroup
12482 \@twocolRTLfootfmt{#1}%
12483 \color@endgroup}%
12484 \m@mmf@prepare}
12485 \newcommand{\@mpTwoColRTLfootnotetext}[1]{%
12486 \bidi@joinmpfootnotes\@mpfootinsv@1\@footstartv@1\mp@LTRfootgroupv@1
12487 \global\setbox\@mpfootinsv@r\vbox{%
12488 \unvbox\@mpfootinsv@r

```



```

12489 \RTLtrue
12490 \def\baselinestretch{\m@m@footnote@spacing}%
12491 \reset@font\RTLfoottextfont
12492 \hsize\columnwidth \@parboxrestore
12493 \protected@edef\@currentlabel{%
12494 \csname p@mpfootnote\endcsname\@thefnmark}%
12495 \color@begingroup
12496 \@twocolRTLfootfmt{#1}%
12497 \color@endgroup}%
12498 \m@mmf@prepare}
12499 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
12500 \@namedef{@twocol@footgroup#1}{%
12501 \def\baselinestretch{\m@m@footnote@spacing}%
12502 \hsize\bidi@columnwidth
12503 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12504 \m@r@rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12505 \newcommand{\bidi@make@twocol@LTRfootgroup}[1]{%
12506 \@namedef{@twocol@LTRfootgroup#1}{%
12507 \def\baselinestretch{\m@m@footnote@spacing}%
12508 \hsize\bidi@columnwidth
12509 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12510 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
12511 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
12512 \@namedef{@mptwocol@footgroup#1}{%
12513 \def\baselinestretch{\m@m@footnote@spacing}%
12514 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12515 \m@r@rigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
12516 \newcommand{\bidi@make@mptwocol@LTRfootgroup}[1]{%
12517 \@namedef{@mptwocol@LTRfootgroup#1}{%
12518 \def\baselinestretch{\m@m@footnote@spacing}%
12519 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12520 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
12521 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
12522 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12523 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12524 \@bidi@before@Hy@hyperfootnotes
12525 \let\@footnotetext\@threecolfootnotetext
12526 \let\@LTRfootnotetext\@threecolLTRfootnotetext
12527 \let\@RTLfootnotetext\@threecolRTLfootnotetext
12528 \dimen\footinsv@r=3\footinsdim
12529 \count\footinsv@r=333\relax
12530 \m@make@threecol@footgroup{v@r}%
12531 \let\@footgroupv@r\@threecol@footgroupv@r
12532 \dimen\footinsv@l=3\footinsdim
12533 \count\footinsv@l=333\relax
12534 \bidi@make@threecol@LTRfootgroup{v@l}%
12535 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12536 \let\@mpfootnotetext\@mpthreecolfootnotetext
12537 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
12538 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
12539 \@bidi@after@Hy@hyperfootnotes
12540 \m@make@mpthreecol@footgroup{v@r}%
12541 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12542 \bidi@make@mpthreecol@LTRfootgroup{v@l}%

```



```

12543 \let\mp@LTRfootgroupv@1\@mpthreecol@LTRfootgroupv@1
12544 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
12545 }
12546 \newcommand{\ThreeColumnFootnotes}{%
12547 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12548 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12549 \@bidi@before@Hy@hyperfootnotes
12550 \let\@footnotetext\@ThreeColfootnotetext
12551 \let\@LTRfootnotetext\@ThreeColLTRfootnotetext
12552 \let\@RTLfootnotetext\@ThreeColRTLfootnotetext
12553 \dimen\footinsv@r=3\footinsdim
12554 \count\footinsv@r=333\relax
12555 \m@make@threecol@footgroup{v@r}%
12556 \let\@footgroupv@r\@threecol@footgroupv@r
12557 \dimen\footinsv@l=3\footinsdim
12558 \count\footinsv@l=333\relax
12559 \bidi@make@threecol@LTRfootgroup{v@l}%
12560 \let\@LTRfootgroupv@l\@threecol@LTRfootgroupv@l
12561 \let\@mpfootnotetext\@mpThreeColfootnotetext
12562 \let\@mpLTRfootnotetext\@mpThreeColLTRfootnotetext
12563 \let\@mpRTLfootnotetext\@mpThreeColRTLfootnotetext
12564 \@bidi@after@Hy@hyperfootnotes
12565 \m@make@mpthreecol@footgroup{v@r}%
12566 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
12567 \bidi@make@mpthreecol@LTRfootgroup{v@l}%
12568 \let\mp@LTRfootgroupv@l\@mpthreecol@LTRfootgroupv@l
12569 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
12570 }
12571 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert
12572 \if@RTL@footnote
12573 \footinsv@r
12574 \else
12575 \footinsv@l
12576 \fi
12577 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12578 \def\baselinestretch{\m@f@footnote@spacing}%
12579 \reset@font\foottextfont
12580 \@preamfntext
12581 \protected@edef\@currentlabel{%
12582 \csname p@footnote\endcsname\@thefnmark}%
12583 \color@begingroup
12584 \@threecolfootfmt{#1}%
12585 \color@endgroup}\m@mmf@prepare}
12586 \newcommand{\@ThreeColfootnotetext}[1]{%
12587 \bidi@step@absolute@footnote@count
12588 \if@RTL@footnote
12589 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12590 \else
12591 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12592 \fi
12593 \global\setbox
12594 \if@RTL@footnote
12595 \footinsv@r
12596 \else

```



```

12597     \footinsv@l
12598     \fi
12599 \vbox{%
12600     \unvbox
12601     \if@RTL@footnote
12602     \footinsv@r
12603     \else
12604     \footinsv@l
12605     \fi
12606     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12607     \def\baselinestretch{\m@m@footnote@spacing}%
12608     \reset@font\foottextfont
12609     \@preamfntext
12610     \protected@edef\@currentlabel{%
12611     \csname p@footnote\endcsname\@thefnmark}%
12612     \color@begingroup
12613     \@threecolfootfmt{#1}%
12614     \color@endgroup}\m@mmf@prepare
12615     \if@RTL@footnote
12616     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12617     \else
12618     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12619     \fi
12620 }
12621 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12622 \def\baselinestretch{\m@m@footnote@spacing}%
12623 \reset@font\LTRfoottextfont
12624 \@preamfntext
12625 \protected@edef\@currentlabel{%
12626 \csname p@footnote\endcsname\@thefnmark}%
12627 \color@begingroup
12628 \@threecolLTRfootfmt{#1}%
12629 \color@endgroup}\m@mmf@prepare}
12630 \newcommand{\@ThreeColLTRfootnotetext}[1]{%
12631 \bidi@step@absolutefootnote@count
12632 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12633 \global\setbox\footinsv@l\vbox{%
12634 \unvbox\footinsv@l
12635 \@RTLfalse
12636 \def\baselinestretch{\m@m@footnote@spacing}%
12637 \reset@font\LTRfoottextfont
12638 \@preamfntext
12639 \protected@edef\@currentlabel{%
12640 \csname p@footnote\endcsname\@thefnmark}%
12641 \color@begingroup
12642 \@threecolLTRfootfmt{#1}%
12643 \color@endgroup}\m@mmf@prepare
12644 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12645 }
12646 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12647 \def\baselinestretch{\m@m@footnote@spacing}%
12648 \reset@font\RTLfoottextfont
12649 \@preamfntext
12650 \protected@edef\@currentlabel{%

```



```

12651   \csname p@footnote\endcsname\@thefnmark}%
12652   \color@begingroup
12653     \@threecolRTLfootfmt{#1}%
12654   \color@endgroup}\m@mmf@prepare}
12655 \newcommand{\@ThreeColRTLfootnotetext}[1]{%
12656   \bidi@step@absolute@footnote@count
12657   \bidi@reinsertfootnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
12658   \global\setbox\footinsv@r\vbox{%
12659     \unvbox\footinsv@r
12660     \RTLtrue
12661     \def\baselinestretch{\m@m@footnote@spacing}%
12662     \reset@font\RTLfoottextfont
12663     \@preamfntext
12664     \protected@edef\@currentlabel{%
12665       \csname p@footnote\endcsname\@thefnmark}%
12666     \color@begingroup
12667       \@threecolRTLfootfmt{#1}%
12668     \color@endgroup}\m@mmf@prepare
12669     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12670   }
12671   \bidi@ensure@newcommand{\@preamthreefmt}{%
12672     \hspace .3\hspace
12673     \parindent=\z@
12674     \tolerance=5000\relax
12675     \leavevmode}
12676   \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
12677     \@preamthreefmt
12678     {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12679   \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
12680     \@preamthreefmt
12681     {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12682   \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
12683     \@preamthreefmt
12684     {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12685   \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
12686     \global\setbox
12687       \if@RTL@footnote
12688         \@mpfootinsv@r
12689     \else
12690       \@mpfootinsv@l
12691     \fi
12692     \vbox{%
12693       \unvbox
12694       \if@RTL@footnote
12695         \@mpfootinsv@r
12696     \else
12697       \@mpfootinsv@l
12698     \fi
12699     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12700     \def\baselinestretch{\m@m@footnote@spacing}%
12701     \reset@font\foottextfont
12702     \hspace\columnwidth \@parboxrestore
12703     \protected@edef\@currentlabel{%
12704       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

12705 \color@begingroup
12706   \@threecolfootfmt{#1}%
12707 \color@endgroup}\m@mmf@prepare}
12708 \newcommand{\@mpThreeColfootnotetext}[1]{%
12709   \if@RTL@footnote
12710     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12711   \else
12712     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12713   \fi
12714 \global\setbox
12715   \if@RTL@footnote
12716     \@mpfootinsv@r
12717   \else
12718     \@mpfootinsv@l
12719   \fi
12720 \vbox{%
12721   \unvbox
12722   \if@RTL@footnote
12723     \@mpfootinsv@r
12724   \else
12725     \@mpfootinsv@l
12726   \fi
12727   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12728   \def\baselinestretch{\m@m@footnote@spacing}%
12729   \reset@font\foottextfont
12730   \hsize\columnwidth \@parboxrestore
12731   \protected@edef\@currentlabel{%
12732     \csname p@mpfootnote\endcsname\@thefnmark}%
12733 \color@begingroup
12734   \@threecolfootfmt{#1}%
12735 \color@endgroup}\m@mmf@prepare}
12736 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
12737 \global\setbox\@mpfootinsv@l\vbox{%
12738   \unvbox\@mpfootinsv@l
12739   \@RTLfalse
12740   \def\baselinestretch{\m@m@footnote@spacing}%
12741   \reset@font\LTRfoottextfont
12742   \hsize\columnwidth \@parboxrestore
12743   \protected@edef\@currentlabel{%
12744     \csname p@mpfootnote\endcsname\@thefnmark}%
12745 \color@begingroup
12746   \@threecolLTRfootfmt{#1}%
12747 \color@endgroup}\m@mmf@prepare}
12748 \newcommand{\@mpThreeColLTRfootnotetext}[1]{%
12749 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
12750 \global\setbox\@mpfootinsv@l\vbox{%
12751   \unvbox\@mpfootinsv@l
12752   \@RTLfalse
12753   \def\baselinestretch{\m@m@footnote@spacing}%
12754   \reset@font\LTRfoottextfont
12755   \hsize\columnwidth \@parboxrestore
12756   \protected@edef\@currentlabel{%
12757     \csname p@mpfootnote\endcsname\@thefnmark}%
12758 \color@begingroup

```



```

12759 \@threecolLTRfootfmt{#1}%
12760 \color@endgroup}\m@mmf@prepare}
12761 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
12762 \global\setbox\@mpfootinsv@r\vbox{%
12763 \unvbox\@mpfootinsv@r
12764 \RTLtrue
12765 \def\baselinestretch{\m@m@footnote@spacing}%
12766 \reset@font\RTLfoottextfont
12767 \hsize\columnwidth \@parboxrestore
12768 \protected@edef\@currentlabel{%
12769 \csname p@mpfootnote\endcsname\@thefnmark}%
12770 \color@begingroup
12771 \@threecolRTLfootfmt{#1}%
12772 \color@endgroup}\m@mmf@prepare}
12773 \newcommand{\@mpThreeColRTLfootnotetext}[1]{%
12774 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
12775 \global\setbox\@mpfootinsv@r\vbox{%
12776 \unvbox\@mpfootinsv@r
12777 \RTLtrue
12778 \def\baselinestretch{\m@m@footnote@spacing}%
12779 \reset@font\RTLfoottextfont
12780 \hsize\columnwidth \@parboxrestore
12781 \protected@edef\@currentlabel{%
12782 \csname p@mpfootnote\endcsname\@thefnmark}%
12783 \color@begingroup
12784 \@threecolRTLfootfmt{#1}%
12785 \color@endgroup}\m@mmf@prepare}
12786 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
12787 \@namedef{@threecol@footgroup#1}{%
12788 \def\baselinestretch{\m@m@footnote@spacing}%
12789 \hsize\bidi@columnwidth
12790 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12791 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@}{\splittopskip}}}}
12792 \newcommand{\bidi@make@threecol@LTRfootgroup}[1]{%
12793 \@namedef{@threecol@LTRfootgroup#1}{%
12794 \def\baselinestretch{\m@m@footnote@spacing}%
12795 \hsize\bidi@columnwidth
12796 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12797 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{\thr@}{\splittopskip}}}}
12798 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
12799 \@namedef{@mpthreecol@footgroup#1}{%
12800 \def\baselinestretch{\m@m@footnote@spacing}%
12801 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12802 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@}{\splittopskip}}}}
12803 \newcommand{\bidi@make@mpthreecol@LTRfootgroup}[1]{%
12804 \@namedef{@mpthreecol@LTRfootgroup#1}{%
12805 \def\baselinestretch{\m@m@footnote@spacing}%
12806 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12807 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{\thr@}{\splittopskip}}}}
12808 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
12809 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12810 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12811 \@bidi@before@Hy@hyperfootnotes
12812 \let\@footnotetext\@fourcolfootnotetext

```



```

12813 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
12814 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
12815 \dimen\footinsv@r=4\footinsdim
12816 \count\footinsv@r=250\relax
12817 \m@make@fourcol@footgroup{v@r}%
12818 \let\@footgroupv@r\@fourcol@footgroupv@r
12819 \dimen\footinsv@l=4\footinsdim
12820 \count\footinsv@l=250\relax
12821 \bidi@make@fourcol@LTRfootgroup{v@l}%
12822 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12823 \let\@mpfootnotetext\@mpfourcolfootnotetext
12824 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
12825 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
12826 \@bidi@after@Hy@hyperfootnotes
12827 \m@make@mpfourcol@footgroup{v@r}%
12828 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12829 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12830 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12831 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12832 }
12833 \newcommand{\FourColumnFootnotes}{%
12834 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12835 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
12836 \@bidi@before@Hy@hyperfootnotes
12837 \let\@footnotetext\@FourColfootnotetext
12838 \let\@LTRfootnotetext\@FourColLTRfootnotetext
12839 \let\@RTLfootnotetext\@FourColRTLfootnotetext
12840 \dimen\footinsv@r=4\footinsdim
12841 \count\footinsv@r=250\relax
12842 \m@make@fourcol@footgroup{v@r}%
12843 \let\@footgroupv@r\@fourcol@footgroupv@r
12844 \dimen\footinsv@l=4\footinsdim
12845 \count\footinsv@l=250\relax
12846 \bidi@make@fourcol@LTRfootgroup{v@l}%
12847 \let\@LTRfootgroupv@l\@fourcol@LTRfootgroupv@l
12848 \let\@mpfootnotetext\@mpFourColfootnotetext
12849 \let\@mpLTRfootnotetext\@mpFourColLTRfootnotetext
12850 \let\@mpRTLfootnotetext\@mpFourColRTLfootnotetext
12851 \@bidi@after@Hy@hyperfootnotes
12852 \m@make@mpfourcol@footgroup{v@r}%
12853 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
12854 \bidi@make@mpfourcol@LTRfootgroup{v@l}%
12855 \let\mp@LTRfootgroupv@l\@mpfourcol@LTRfootgroupv@l
12856 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12857 }
12858 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert
12859 \if@RTL@footnote
12860 \footinsv@r
12861 \else
12862 \footinsv@l
12863 \fi
12864 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12865 \def\baselinestretch{\m@mp@footnote@spacing}%
12866 \reset@font\foottextfont

```




```

12867 \@preamfntext
12868 \protected@edef\@currentlabel{%
12869   \csname p@footnote\endcsname\@thefnmark}%
12870 \color@begingroup
12871   \@fourcolfootfmt{#1}%
12872 \color@endgroup}%
12873 \m@mmf@prepare}
12874 \newcommand{\@FourColfootnotetext}[1]{%
12875   \bidi@step@absolute@footnote@count
12876   \if@RTL@footnote
12877     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12878   \else
12879     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12880   \fi
12881   \global\setbox
12882   \if@RTL@footnote
12883     \footinsv@r
12884   \else
12885     \footinsv@l
12886   \fi
12887   \vbox{%
12888     \unvbox
12889     \if@RTL@footnote
12890       \footinsv@r
12891     \else
12892       \footinsv@l
12893     \fi
12894     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12895     \def\baselinestretch{\m@mm@footnote@spacing}%
12896     \reset@font\foottextfont
12897     \@preamfntext
12898     \protected@edef\@currentlabel{%
12899       \csname p@footnote\endcsname\@thefnmark}%
12900     \color@begingroup
12901       \@fourcolfootfmt{#1}%
12902     \color@endgroup}%
12903     \m@mmf@prepare
12904     \if@RTL@footnote
12905       \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12906     \else
12907       \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12908     \fi
12909   }
12910   \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
12911     \def\baselinestretch{\m@mm@footnote@spacing}%
12912     \reset@font\LTRfoottextfont
12913     \@preamfntext
12914     \protected@edef\@currentlabel{%
12915       \csname p@footnote\endcsname\@thefnmark}%
12916     \color@begingroup
12917       \@fourcolLTRfootfmt{#1}%
12918     \color@endgroup}%
12919     \m@mmf@prepare}
12920   \newcommand{\@FourColLTRfootnotetext}[1]{%

```



```

12921 \bidi@step@absolutefootnote@count
12922 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
12923 \global\setbox\footinsv@l\vbox{%
12924 \unvbox\footinsv@l
12925 \@RTLfalse%
12926 \def\baselinestretch{\m@m@footnote@spacing}%
12927 \reset@font\LTRfoottextfont
12928 \@preamfntext
12929 \protected@edef\@currentlabel{%
12930 \csname p@footnote\endcsname\@thefnmark}%
12931 \color@begingroup
12932 \@fourcolLTRfootfmt{#1}%
12933 \color@endgroup}%
12934 \m@mmf@prepare
12935 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12936 }
12937 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12938 \def\baselinestretch{\m@m@footnote@spacing}%
12939 \reset@font\RTLfoottextfont
12940 \@preamfntext
12941 \protected@edef\@currentlabel{%
12942 \csname p@footnote\endcsname\@thefnmark}%
12943 \color@begingroup
12944 \@fourcolRTLfootfmt{#1}%
12945 \color@endgroup}%
12946 \m@mmf@prepare}
12947 \newcommand{\@FourColRTLfootnotetext}[1]{%
12948 \bidi@step@absolutefootnote@count
12949 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
12950 \global\setbox\footinsv@r\vbox{%
12951 \unvbox\footinsv@r
12952 \@RTLtrue
12953 \def\baselinestretch{\m@m@footnote@spacing}%
12954 \reset@font\RTLfoottextfont
12955 \@preamfntext
12956 \protected@edef\@currentlabel{%
12957 \csname p@footnote\endcsname\@thefnmark}%
12958 \color@begingroup
12959 \@fourcolRTLfootfmt{#1}%
12960 \color@endgroup}%
12961 \m@mmf@prepare
12962 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
12963 }
12964 \bidi@ensure@newcommand{\@preamfourfmt}{%
12965 \hspace .25\hspace
12966 \parindent=\z@
12967 \tolerance=5000\relax
12968 \leavevmode}
12969 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
12970 \@preamfourfmt
12971 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12972 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
12973 \@preamfourfmt
12974 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}

```



```

12975 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
12976   \@preamfourfmt
12977   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12978 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
12979   \global\setbox
12980     \if@RTL@footnote
12981     \@mpfootinsv@r
12982   \else
12983     \@mpfootinsv@l
12984   \fi
12985   \vbox{%
12986     \unvbox
12987     \if@RTL@footnote
12988     \@mpfootinsv@r
12989   \else
12990     \@mpfootinsv@l
12991   \fi
12992   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
12993   \def\baselinestretch{\m@m@footnote@spacing}%
12994   \reset@font\foottextfont
12995   \hsize\columnwidth \@parboxrestore
12996   \protected@edef\@currentlabel{%
12997     \csname p@mpfootnote\endcsname\@thefnmark}%
12998   \color@begingroup
12999     \@fourcolfootfmt{#1}%
13000   \color@endgroup}%
13001   \m@mmf@prepare}
13002 \newcommand{\@mpFourColfootnotetext}[1]{%
13003   \if@RTL@footnote
13004     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13005   \else
13006     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13007   \fi
13008   \global\setbox
13009     \if@RTL@footnote
13010     \@mpfootinsv@r
13011   \else
13012     \@mpfootinsv@l
13013   \fi
13014   \vbox{%
13015     \unvbox
13016     \if@RTL@footnote
13017     \@mpfootinsv@r
13018   \else
13019     \@mpfootinsv@l
13020   \fi
13021   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13022   \def\baselinestretch{\m@m@footnote@spacing}%
13023   \reset@font\foottextfont
13024   \hsize\columnwidth \@parboxrestore
13025   \protected@edef\@currentlabel{%
13026     \csname p@mpfootnote\endcsname\@thefnmark}%
13027   \color@begingroup
13028     \@fourcolfootfmt{#1}%

```



```

13029 \color@endgroup}%
13030 \m@mmf@prepare}
13031 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
13032 \global\setbox\@mpfootinsv@l\vbox{%
13033 \unvbox\@mpfootinsv@l
13034 \RTLfalse
13035 \def\baselinestretch{\m@m@footnote@spacing}%
13036 \reset@font\LTRfoottextfont
13037 \hsize\columnwidth \@parboxrestore
13038 \protected@edef\@currentlabel{%
13039 \csname p@mpfootnote\endcsname\@thefnmark}%
13040 \color@begingroup
13041 \@fourcolLTRfootfmt{#1}%
13042 \color@endgroup}%
13043 \m@mmf@prepare}
13044 \newcommand{\@mpFourColLTRfootnotetext}[1]{%
13045 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13046 \global\setbox\@mpfootinsv@l\vbox{%
13047 \unvbox\@mpfootinsv@l
13048 \RTLfalse
13049 \def\baselinestretch{\m@m@footnote@spacing}%
13050 \reset@font\LTRfoottextfont
13051 \hsize\columnwidth \@parboxrestore
13052 \protected@edef\@currentlabel{%
13053 \csname p@mpfootnote\endcsname\@thefnmark}%
13054 \color@begingroup
13055 \@fourcolLTRfootfmt{#1}%
13056 \color@endgroup}%
13057 \m@mmf@prepare}
13058 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
13059 \global\setbox\@mpfootinsv@r\vbox{%
13060 \unvbox\@mpfootinsv@r
13061 \RTLtrue
13062 \def\baselinestretch{\m@m@footnote@spacing}%
13063 \reset@font\RTLfoottextfont
13064 \hsize\columnwidth \@parboxrestore
13065 \protected@edef\@currentlabel{%
13066 \csname p@mpfootnote\endcsname\@thefnmark}%
13067 \color@begingroup
13068 \@fourcolRTLfootfmt{#1}%
13069 \color@endgroup}%
13070 \m@mmf@prepare}
13071 \newcommand{\@mpFourColRTLfootnotetext}[1]{%
13072 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13073 \global\setbox\@mpfootinsv@r\vbox{%
13074 \unvbox\@mpfootinsv@r
13075 \RTLtrue
13076 \def\baselinestretch{\m@m@footnote@spacing}%
13077 \reset@font\RTLfoottextfont
13078 \hsize\columnwidth \@parboxrestore
13079 \protected@edef\@currentlabel{%
13080 \csname p@mpfootnote\endcsname\@thefnmark}%
13081 \color@begingroup
13082 \@fourcolRTLfootfmt{#1}%

```



```

13083 \color@endgroup}%
13084 \m@mmf@prepare}
13085 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
13086 \namedef{@fourcol@footgroup#1}{%
13087 \def\baselinestretch{\m@m@footnote@spacing}%
13088 \hsize\bidi@columnwidth
13089 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13090 \m@r rigidbalance{\nameuse{footins#1}}{4}{\splittopskip}}}}
13091 \newcommand{\bidi@make@fourcol@LTRfootgroup}[1]{%
13092 \namedef{@fourcol@LTRfootgroup#1}{%
13093 \def\baselinestretch{\m@m@footnote@spacing}%
13094 \hsize\bidi@columnwidth
13095 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13096 \bidi@LTRrigidbalance{\nameuse{footins#1}}{4}{\splittopskip}}}}
13097 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
13098 \namedef{@mpfourcol@footgroup#1}{%
13099 \def\baselinestretch{\m@m@footnote@spacing}%
13100 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13101 \m@r rigidbalance{\nameuse{mpfootins#1}}{4}{\splittopskip}}}}
13102 \newcommand{\bidi@make@mpfourcol@LTRfootgroup}[1]{%
13103 \namedef{@mpfourcol@LTRfootgroup#1}{%
13104 \def\baselinestretch{\m@m@footnote@spacing}%
13105 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13106 \bidi@LTRrigidbalance{\nameuse{mpfootins#1}}{4}{\splittopskip}}}}
13107 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
13108 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
13109 \namedef{foottextfontv@l}{\LTRfoottextfont}%
13110 \@bidi@before@Hy@hyperfootnotes
13111 \let\@footnotetext\@fivecolfootnotetext
13112 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
13113 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
13114 \dimen\footinsv@r=5\footinsdim
13115 \count\footinsv@r=200\relax
13116 \m@make@fivecol@footgroup{v@r}%
13117 \let\@footgroupv@r\@fivecol@footgroupv@r
13118 \dimen\footinsv@l=5\footinsdim
13119 \count\footinsv@l=200\relax
13120 \bidi@make@fivecol@LTRfootgroup{v@l}%
13121 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13122 \let\@mpfootnotetext\@mpfivecolfootnotetext
13123 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
13124 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
13125 \@bidi@after@Hy@hyperfootnotes
13126 \m@make@mpfivecol@footgroup{v@r}%
13127 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
13128 \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13129 \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
13130 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13131 }
13132 \newcommand{\FiveColumnFootnotes}{%
13133 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
13134 \namedef{foottextfontv@l}{\LTRfoottextfont}%
13135 \@bidi@before@Hy@hyperfootnotes
13136 \let\@footnotetext\@FiveColfootnotetext

```



```

13137 \let\@LTRfootnotetext\@FiveColLTRfootnotetext
13138 \let\@RTLfootnotetext\@FiveColRTLfootnotetext
13139 \dimen\footinsv@r=5\footinsdim
13140 \count\footinsv@r=200\relax
13141 \m@make@fivecol@footgroup{v@r}%
13142 \let\@footgroupv@r\@fivecol@footgroupv@r
13143 \dimen\footinsv@l=5\footinsdim
13144 \count\footinsv@l=200\relax
13145 \bidi@make@fivecol@LTRfootgroup{v@l}%
13146 \let\@LTRfootgroupv@l\@fivecol@LTRfootgroupv@l
13147 \let\@mpfootnotetext\@mpFiveColfootnotetext
13148 \let\@mpLTRfootnotetext\@mpFiveColLTRfootnotetext
13149 \let\@mpRTLfootnotetext\@mpFiveColRTLfootnotetext
13150 \bidi@after@Hy@hyperfootnotes
13151 \m@make@mpfivecol@footgroup{v@r}%
13152 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
13153 \bidi@make@mpfivecol@LTRfootgroup{v@l}%
13154 \let\mp@LTRfootgroupv@l\@mpfivecol@LTRfootgroupv@l
13155 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13156 }
13157 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert
13158 \ifRTL@footnote
13159 \footinsv@r
13160 \else
13161 \footinsv@l
13162 \fi
13163 {\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13164 \def\baselinestretch{\m@footnote@spacing}%
13165 \reset@font\foottextfont
13166 \@preamfntext
13167 \protected@edef\@currentlabel{%
13168 \csname p@footnote\endcsname\@thefnmark}%
13169 \color@begingroup
13170 \@fivecolfootfmt{#1}%
13171 \color@endgroup}%
13172 \m@mmf@prepare}
13173 \newcommand{\@FiveColfootnotetext}[1]{%
13174 \bidi@step@absolute@footnote@count
13175 \ifRTL@footnote
13176 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13177 \else
13178 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13179 \fi
13180 \global\setbox
13181 \ifRTL@footnote
13182 \footinsv@r
13183 \else
13184 \footinsv@l
13185 \fi
13186 \vbox{%
13187 \unvbox
13188 \ifRTL@footnote
13189 \footinsv@r
13190 \else

```



```

13191 \footinsv@l
13192 \fi
13193 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
13194 \def\baselinestretch{\m@m@footnote@spacing}%
13195 \reset@font\foottextfont
13196 \@preamfntext
13197 \protected@edef\@currentlabel{%
13198 \csname p@footnote\endcsname\@thefnmark}%
13199 \color@begingroup
13200 \@fivecolfootfmt{#1}%
13201 \color@endgroup}%
13202 \m@mmf@prepare
13203 \ifRTL@footnote
13204 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13205 \else
13206 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13207 \fi
13208 }
13209 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13210 \def\baselinestretch{\m@m@footnote@spacing}%
13211 \reset@font\LTRfoottextfont
13212 \@preamfntext
13213 \protected@edef\@currentlabel{%
13214 \csname p@footnote\endcsname\@thefnmark}%
13215 \color@begingroup
13216 \@fivecolLTRfootfmt{#1}%
13217 \color@endgroup}%
13218 \m@mmf@prepare}
13219 \newcommand{\@FiveColLTRfootnotetext}[1]{%
13220 \bidi@step@absolute@footnote@count
13221 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13222 \global\setbox\footinsv@l\vbox{%
13223 \unvbox\footinsv@l
13224 \@RTLfalse
13225 \def\baselinestretch{\m@m@footnote@spacing}%
13226 \reset@font\LTRfoottextfont
13227 \@preamfntext
13228 \protected@edef\@currentlabel{%
13229 \csname p@footnote\endcsname\@thefnmark}%
13230 \color@begingroup
13231 \@fivecolLTRfootfmt{#1}%
13232 \color@endgroup}%
13233 \m@mmf@prepare
13234 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13235 }
13236 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13237 \def\baselinestretch{\m@m@footnote@spacing}%
13238 \reset@font\RTLfoottextfont
13239 \@preamfntext
13240 \protected@edef\@currentlabel{%
13241 \csname p@footnote\endcsname\@thefnmark}%
13242 \color@begingroup
13243 \@fivecolRTLfootfmt{#1}%
13244 \color@endgroup}%

```



```

13245 \m@mmf@prepare}
13246 \newcommand{\@FiveColRTLfootnotetext}[1]{%
13247 \bidi@step@absolute@footnote@count
13248 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13249 \global\setbox\footinsv@r\vbox{%
13250 \unvbox\footinsv@r
13251 \RTLtrue
13252 \def\baselinestretch{\m@m@footnote@spacing}%
13253 \reset@font\RTLfoottextfont
13254 \@preamfntext
13255 \protected@edef\@currentlabel{%
13256 \csname p@footnote\endcsname\@thefnmark}%
13257 \color@begingroup
13258 \@fivecolRTLfootfmt{#1}%
13259 \color@endgroup}%
13260 \m@mmf@prepare
13261 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13262 }
13263 \bidi@ensure@newcommand{\@preamfivefmt}{%
13264 \hspace .2\hspace
13265 \parindent=\z@
13266 \tolerance=5000\relax
13267 \leavevmode}
13268 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
13269 \@preamfivefmt
13270 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13271 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
13272 \@preamfivefmt
13273 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13274 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
13275 \@preamfivefmt
13276 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13277 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
13278 \global\setbox
13279 \if@RTL@footnote
13280 \@mpfootinsv@r
13281 \else
13282 \@mpfootinsv@l
13283 \fi
13284 \vbox{%
13285 \unvbox
13286 \if@RTL@footnote
13287 \@mpfootinsv@r
13288 \else
13289 \@mpfootinsv@l
13290 \fi
13291 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13292 \def\baselinestretch{\m@m@footnote@spacing}%
13293 \reset@font\foottextfont
13294 \hspace\columnwidth \@parboxrestore
13295 \protected@edef\@currentlabel{%
13296 \csname p@mpfootnote\endcsname\@thefnmark}%
13297 \color@begingroup
13298 \@fivecolfootfmt{#1}%

```




```

13299 \color@endgroup}%
13300 \m@mmf@prepare}
13301 \newcommand{\@mpFiveColFootnotetext}[1]{%
13302   \if@RTL@footnote
13303     \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13304   \else
13305     \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13306   \fi
13307   \global\setbox
13308     \if@RTL@footnote
13309     \@mpfootinsv@r
13310   \else
13311     \@mpfootinsv@l
13312   \fi
13313   \vbox{%
13314     \unvbox
13315     \if@RTL@footnote
13316     \@mpfootinsv@r
13317   \else
13318     \@mpfootinsv@l
13319   \fi
13320   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13321   \def\baselinestretch{\m@m@footnote@spacing}%
13322   \reset@font\foottextfont
13323   \hsize\columnwidth \@parboxrestore
13324   \protected@edef\@currentlabel{%
13325     \csname p@mpfootnote\endcsname\@thefnmark}%
13326   \color@begingroup
13327     \@fivecolfootfmt{#1}%
13328   \color@endgroup}%
13329   \m@mmf@prepare}
13330 \bidi@ensure@newcommand{\@mpfivecollTRfootnotetext}[1]{%
13331   \global\setbox\@mpfootinsv@l\vbox{%
13332     \unvbox\@mpfootinsv@l
13333     \@RTLfalse
13334     \def\baselinestretch{\m@m@footnote@spacing}%
13335     \reset@font\LTRfoottextfont
13336     \hsize\columnwidth \@parboxrestore
13337     \protected@edef\@currentlabel{%
13338       \csname p@mpfootnote\endcsname\@thefnmark}%
13339     \color@begingroup
13340       \@fivecollTRfootfmt{#1}%
13341     \color@endgroup}%
13342     \m@mmf@prepare}
13343 \newcommand{\@mpFiveCollTRfootnotetext}[1]{%
13344   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13345   \global\setbox\@mpfootinsv@l\vbox{%
13346     \unvbox\@mpfootinsv@l
13347     \@RTLfalse
13348     \def\baselinestretch{\m@m@footnote@spacing}%
13349     \reset@font\LTRfoottextfont
13350     \hsize\columnwidth \@parboxrestore
13351     \protected@edef\@currentlabel{%
13352       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

13353 \color@begingroup
13354   \@fivecolLTRfootfmt{#1}%
13355 \color@endgroup}%
13356 \m@mmf@prepare}
13357 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
13358   \global\setbox\@mpfootinsv@r\vbox{%
13359     \unvbox\@mpfootinsv@r
13360     \RTLtrue
13361     \def\baselinestretch{\m@m@footnote@spacing}%
13362     \reset@font\RTLfoottextfont
13363     \hsize\columnwidth \@parboxrestore
13364     \protected@edef\@currentlabel{%
13365       \csname p@mpfootnote@endcsname\@thefnmark}%
13366   \color@begingroup
13367     \@fivecolRTLfootfmt{#1}%
13368   \color@endgroup}%
13369 \m@mmf@prepare}
13370 \newcommand{\@mpFiveColRTLfootnotetext}[1]{%
13371   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13372   \global\setbox\@mpfootinsv@r\vbox{%
13373     \unvbox\@mpfootinsv@r
13374     \RTLtrue
13375     \def\baselinestretch{\m@m@footnote@spacing}%
13376     \reset@font\RTLfoottextfont
13377     \hsize\columnwidth \@parboxrestore
13378     \protected@edef\@currentlabel{%
13379       \csname p@mpfootnote@endcsname\@thefnmark}%
13380   \color@begingroup
13381     \@fivecolRTLfootfmt{#1}%
13382   \color@endgroup}%
13383 \m@mmf@prepare}
13384 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
13385   \@namedef{@fivecol@footgroup#1}{%
13386     \def\baselinestretch{\m@m@footnote@spacing}%
13387     \hsize\bidi@columnwidth
13388     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13389     \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
13390 \newcommand{\bidi@make@fivecol@LTRfootgroup}[1]{%
13391   \@namedef{@fivecol@LTRfootgroup#1}{%
13392     \def\baselinestretch{\m@m@footnote@spacing}%
13393     \hsize\bidi@columnwidth
13394     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13395     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
13396 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
13397   \@namedef{@mpfivecol@footgroup#1}{%
13398     \def\baselinestretch{\m@m@footnote@spacing}%
13399     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13400     \m@mrigidbalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}}
13401 \newcommand{\bidi@make@mpfivecol@LTRfootgroup}[1]{%
13402   \@namedef{@mpfivecol@LTRfootgroup#1}{%
13403     \def\baselinestretch{\m@m@footnote@spacing}%
13404     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13405     \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}}
13406 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%

```



```

13407 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13408 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13409 \@bidi@before@Hy@hyperfootnotes
13410 \let\@footnotetext\@sixcolfootnotetext
13411 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
13412 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
13413 \dimen\footinsv@r=6\footinsdim
13414 \count\footinsv@r=166\relax
13415 \m@make@sixcol@footgroup{v@r}%
13416 \let\@footgroupv@r\@sixcol@footgroupv@r
13417 \dimen\footinsv@l=6\footinsdim
13418 \count\footinsv@l=166\relax
13419 \bidi@make@sixcol@LTRfootgroup{v@l}%
13420 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13421 \let\@mpfootnotetext\@mpsixcolfootnotetext
13422 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
13423 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
13424 \@bidi@after@Hy@hyperfootnotes
13425 \m@make@mpsixcol@footgroup{v@r}%
13426 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13427 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13428 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13429 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13430 }
13431 \newcommand{\SixColumnFootnotes}{-%
13432 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13433 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13434 \@bidi@before@Hy@hyperfootnotes
13435 \let\@footnotetext\@SixColfootnotetext
13436 \let\@LTRfootnotetext\@SixColLTRfootnotetext
13437 \let\@RTLfootnotetext\@SixColRTLfootnotetext
13438 \dimen\footinsv@r=6\footinsdim
13439 \count\footinsv@r=166\relax
13440 \m@make@sixcol@footgroup{v@r}%
13441 \let\@footgroupv@r\@sixcol@footgroupv@r
13442 \dimen\footinsv@l=6\footinsdim
13443 \count\footinsv@l=166\relax
13444 \bidi@make@sixcol@LTRfootgroup{v@l}%
13445 \let\@LTRfootgroupv@l\@sixcol@LTRfootgroupv@l
13446 \let\@mpfootnotetext\@mpSixColfootnotetext
13447 \let\@mpLTRfootnotetext\@mpSixColLTRfootnotetext
13448 \let\@mpRTLfootnotetext\@mpSixColRTLfootnotetext
13449 \@bidi@after@Hy@hyperfootnotes
13450 \m@make@mpsixcol@footgroup{v@r}%
13451 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
13452 \bidi@make@mpsixcol@LTRfootgroup{v@l}%
13453 \let\mp@LTRfootgroupv@l\@mpsixcol@LTRfootgroupv@l
13454 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13455 }
13456 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert
13457 \if@RTL@footnote
13458 \footinsv@r
13459 \else
13460 \footinsv@l

```



```

13461 \fi
13462 {\ifRTL@footnote\RTLtrue\else\RTLfalse\fi%
13463 \def\baselinestretch{\m@m@footnote@spacing}%
13464 \reset@font\foottextfont
13465 \@preamftext
13466 \protected@edef\@currentlabel{%
13467 \csname p@footnote\endcsname\@thefnmark}%
13468 \color@begingroup
13469 \@sixcolfootfmt{#1}%
13470 \color@endgroup}%
13471 \m@mmf@prepare}
13472 \newcommand{\@SixColfootnotetext}[1]{%
13473 \bidi@step@absolute@footnote@count
13474 \ifRTL@footnote
13475 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13476 \else
13477 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13478 \fi
13479 \global\setbox
13480 \ifRTL@footnote
13481 \footinsv@r
13482 \else
13483 \footinsv@l
13484 \fi
13485 \vbox{%
13486 \unvbox
13487 \ifRTL@footnote
13488 \footinsv@r
13489 \else
13490 \footinsv@l
13491 \fi
13492 \ifRTL@footnote\RTLtrue\else\RTLfalse\fi%
13493 \def\baselinestretch{\m@m@footnote@spacing}%
13494 \reset@font\foottextfont
13495 \@preamftext
13496 \protected@edef\@currentlabel{%
13497 \csname p@footnote\endcsname\@thefnmark}%
13498 \color@begingroup
13499 \@sixcolfootfmt{#1}%
13500 \color@endgroup}%
13501 \m@mmf@prepare
13502 \ifRTL@footnote
13503 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13504 \else
13505 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13506 \fi
13507 }
13508 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@l{\RTLfalse%
13509 \def\baselinestretch{\m@m@footnote@spacing}%
13510 \reset@font\LTRfoottextfont
13511 \@preamftext
13512 \protected@edef\@currentlabel{%
13513 \csname p@footnote\endcsname\@thefnmark}%
13514 \color@begingroup

```



```

13515   \@sixcolLTRfootfmt{#1}%
13516   \color@endgroup}%
13517   \m@mmf@prepare}
13518 \newcommand{\@SixColLTRfootnotetext}[1]{%
13519   \bidi@step@absolute@footnote@count
13520   \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
13521   \global\setbox\footinsv@l\vbox{%
13522     \unvbox\footinsv@l
13523     \@RTLfalse
13524     \def\baselinestretch{\m@m@footnote@spacing}%
13525     \reset@font\LTRfoottextfont
13526     \@preamfntext
13527     \protected@edef\@currentlabel{%
13528       \csname p@footnote\endcsname\@thefnmark}%
13529     \color@begingroup
13530     \@sixcolLTRfootfmt{#1}%
13531     \color@endgroup}%
13532     \m@mmf@prepare
13533     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13534   }
13535 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13536   \def\baselinestretch{\m@m@footnote@spacing}%
13537   \reset@font\RTLfoottextfont
13538   \@preamfntext
13539   \protected@edef\@currentlabel{%
13540     \csname p@footnote\endcsname\@thefnmark}%
13541   \color@begingroup
13542     \@sixcolRTLfootfmt{#1}%
13543   \color@endgroup}%
13544   \m@mmf@prepare}
13545 \newcommand{\@SixColRTLfootnotetext}[1]{%
13546   \bidi@step@absolute@footnote@count
13547   \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13548   \global\setbox\footinsv@r\vbox{%
13549     \unvbox\footinsv@r
13550     \@RTLtrue
13551     \def\baselinestretch{\m@m@footnote@spacing}%
13552     \reset@font\RTLfoottextfont
13553     \@preamfntext
13554     \protected@edef\@currentlabel{%
13555       \csname p@footnote\endcsname\@thefnmark}%
13556     \color@begingroup
13557     \@sixcolRTLfootfmt{#1}%
13558   \color@endgroup}%
13559   \m@mmf@prepare
13560   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13561   }
13562 \bidi@ensure@newcommand{\@preamsixfmt}{%
13563   \hspace .16\hspace
13564   \parindent=\z@
13565   \tolerance=5000\relax
13566   \leavevmode}
13567 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
13568   \@preamsixfmt

```



```

13569 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13570 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
13571 \@preamsixfmt
13572 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13573 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
13574 \@preamsixfmt
13575 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13576 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{%
13577 \global\setbox
13578 \if@RTL@footnote
13579 \@mpfootinsv@r
13580 \else
13581 \@mpfootinsv@l
13582 \fi
13583 \vbox{%
13584 \unvbox
13585 \if@RTL@footnote
13586 \@mpfootinsv@r
13587 \else
13588 \@mpfootinsv@l
13589 \fi
13590 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13591 \def\baselinestretch{\m@m@footnote@spacing}%
13592 \reset@font\foottextfont
13593 \hsize\columnwidth \@parboxrestore
13594 \protected@edef\@currentlabel{%
13595 \csname p@mpfootnote\endcsname\@thefnmark}%
13596 \color@begingroup
13597 \@sixcolfootfmt{#1}%
13598 \color@endgroup}%
13599 \m@m@mmf@prepare}
13600 \newcommand{\@mpSixColfootnotetext}[1]{%
13601 \if@RTL@footnote
13602 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13603 \else
13604 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13605 \fi
13606 \global\setbox
13607 \if@RTL@footnote
13608 \@mpfootinsv@r
13609 \else
13610 \@mpfootinsv@l
13611 \fi
13612 \vbox{%
13613 \unvbox
13614 \if@RTL@footnote
13615 \@mpfootinsv@r
13616 \else
13617 \@mpfootinsv@l
13618 \fi
13619 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13620 \def\baselinestretch{\m@m@footnote@spacing}%
13621 \reset@font\foottextfont
13622 \hsize\columnwidth \@parboxrestore

```



```

13623 \protected@edef\@currentlabel{%
13624 \csname p@mpfootnote\endcsname\@thefnmark}%
13625 \color@begingroup
13626 \@sixcolfootfmt{#1}%
13627 \color@endgroup}%
13628 \m@mmf@prepare}
13629 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{%
13630 \global\setbox\@mpfootinsv@l\vbox{%
13631 \unvbox\@mpfootinsv@l
13632 \@RTLfalse
13633 \def\baselinestretch{\m@m@footnote@spacing}%
13634 \reset@font\LTRfoottextfont
13635 \hsize\columnwidth \@parboxrestore
13636 \protected@edef\@currentlabel{%
13637 \csname p@mpfootnote\endcsname\@thefnmark}%
13638 \color@begingroup
13639 \@sixcolLTRfootfmt{#1}%
13640 \color@endgroup}%
13641 \m@mmf@prepare}
13642 \newcommand{\@mpSixColLTRfootnotetext}[1]{%
13643 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13644 \global\setbox\@mpfootinsv@l\vbox{%
13645 \unvbox\@mpfootinsv@l
13646 \@RTLfalse
13647 \def\baselinestretch{\m@m@footnote@spacing}%
13648 \reset@font\LTRfoottextfont
13649 \hsize\columnwidth \@parboxrestore
13650 \protected@edef\@currentlabel{%
13651 \csname p@mpfootnote\endcsname\@thefnmark}%
13652 \color@begingroup
13653 \@sixcolLTRfootfmt{#1}%
13654 \color@endgroup}%
13655 \m@mmf@prepare}
13656 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{%
13657 \global\setbox\@mpfootinsv@r\vbox{%
13658 \unvbox\@mpfootinsv@r
13659 \@RTLtrue
13660 \def\baselinestretch{\m@m@footnote@spacing}%
13661 \reset@font\RTLfoottextfont
13662 \hsize\columnwidth \@parboxrestore
13663 \protected@edef\@currentlabel{%
13664 \csname p@mpfootnote\endcsname\@thefnmark}%
13665 \color@begingroup
13666 \@sixcolRTLfootfmt{#1}%
13667 \color@endgroup}%
13668 \m@mmf@prepare}
13669 \newcommand{\@mpSixColRTLfootnotetext}[1]{%
13670 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13671 \global\setbox\@mpfootinsv@r\vbox{%
13672 \unvbox\@mpfootinsv@r
13673 \@RTLtrue
13674 \def\baselinestretch{\m@m@footnote@spacing}%
13675 \reset@font\RTLfoottextfont
13676 \hsize\columnwidth \@parboxrestore

```



```

13677 \protected@edef\@currentlabel{%
13678 \csname p@mpfootnote\endcsname\@thefnmark}%
13679 \color@begingroup
13680 \@sixcolRTLfootfmt{#1}%
13681 \color@endgroup}%
13682 \m@mmf@prepare}
13683 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
13684 \@namedef{@sixcol@footgroup#1}{%
13685 \def\baselinestretch{\m@m@footnote@spacing}%
13686 \hsize\bidi@columnwidth
13687 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13688 \m@r rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
13689 \newcommand{\bidi@make@sixcol@LTRfootgroup}[1]{%
13690 \@namedef{@sixcol@LTRfootgroup#1}{%
13691 \def\baselinestretch{\m@m@footnote@spacing}%
13692 \hsize\bidi@columnwidth
13693 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13694 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}}
13695 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
13696 \@namedef{@mpsixcol@footgroup#1}{%
13697 \def\baselinestretch{\m@m@footnote@spacing}%
13698 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13699 \m@r rigidbalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}}}
13700 \newcommand{\bidi@make@mpsixcol@LTRfootgroup}[1]{%
13701 \@namedef{@mpsixcol@LTRfootgroup#1}{%
13702 \def\baselinestretch{\m@m@footnote@spacing}%
13703 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13704 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{6}{\splittopskip}}}}
13705 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
13706 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13707 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13708 \@bidi@before@Hy@hyperfootnotes
13709 \let\@footnotetext\@sevendcolfootnotetext
13710 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
13711 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
13712 \dimen\footinsv@r=7\footinsdim
13713 \count\footinsv@r=142\relax
13714 \m@make@sevendcol@footgroup{v@r}%
13715 \let\@footgroupv@r\@sevendcol@footgroupv@r
13716 \dimen\footinsv@l=7\footinsdim
13717 \count\footinsv@l=142\relax
13718 \bidi@make@sevendcol@LTRfootgroup{v@l}%
13719 \let\@LTRfootgroupv@l\@sevendcol@LTRfootgroupv@l
13720 \let\@mpfootnotetext\@mpsevendcolfootnotetext
13721 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
13722 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
13723 \@bidi@after@Hy@hyperfootnotes
13724 \m@make@mpsevendcol@footgroup{v@r}%
13725 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
13726 \bidi@make@mpsevendcol@LTRfootgroup{v@l}%
13727 \let\mp@LTRfootgroupv@l\@mpsevendcol@LTRfootgroupv@l
13728 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13729 }
13730 \newcommand{\SevenColumnFootnotes}{%

```




```

13731 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
13732 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
13733 \@bidi@before@Hy@hyperfootnotes
13734 \let\@footnotetext\@SevenColfootnotetext
13735 \let\@LTRfootnotetext\@SevenColLTRfootnotetext
13736 \let\@RTLfootnotetext\@SevenColRTLfootnotetext
13737 \dimen\footinsv@r=7\footinsdim
13738 \count\footinsv@r=142\relax
13739 \m@make@sevencol@footgroup{v@r}%
13740 \let\@footgroupv@r\@sevencol@footgroupv@r
13741 \dimen\footinsv@l=7\footinsdim
13742 \count\footinsv@l=142\relax
13743 \bidi@make@sevencol@LTRfootgroup{v@l}%
13744 \let\@LTRfootgroupv@l\@sevencol@LTRfootgroupv@l
13745 \let\@mpfootnotetext\@mpSevenColfootnotetext
13746 \let\@mpLTRfootnotetext\@mpSevenColLTRfootnotetext
13747 \let\@mpRTLfootnotetext\@mpSevenColRTLfootnotetext
13748 \@bidi@after@Hy@hyperfootnotes
13749 \m@make@mpsevencol@footgroup{v@r}%
13750 \let\mp@footgroupv@r\@mpsevencol@footgroupv@r
13751 \bidi@make@mpsevencol@LTRfootgroup{v@l}%
13752 \let\mp@LTRfootgroupv@l\@mpsevencol@LTRfootgroupv@l
13753 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
13754 }
13755 \bidi@ensure@newcommand{\@sevencolfootnotetext}[1]{\insert
13756   \if@RTL@footnote
13757     \footinsv@r
13758   \else
13759     \footinsv@l
13760   \fi
13761 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13762   \def\baselinestretch{\m@mm@footnote@spacing}%
13763   \reset@font\foottextfont
13764   \@preamfntext
13765   \protected@edef\@currentlabel{%
13766     \csname p@footnote\endcsname\@thefnmark}%
13767   \color@begingroup
13768     \@sevencolfootfmt{#1}%
13769   \color@endgroup}%
13770   \m@mmf@prepare}
13771 \newcommand{\@SevenColfootnotetext}[1]{%
13772   \bidi@step@absolute@footnote@count
13773   \if@RTL@footnote
13774     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13775   \else
13776     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13777   \fi
13778   \global\setbox
13779   \if@RTL@footnote
13780     \footinsv@r
13781   \else
13782     \footinsv@l
13783   \fi
13784   \vbox{%

```



```

13785 \unvbox
13786 \if@RTL@footnote
13787   \footinsv@r
13788 \else
13789   \footinsv@l
13790 \fi
13791 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13792 \def\baselinestretch{\m@m@footnote@spacing}%
13793 \reset@font\foottextfont
13794 \@preamfntext
13795 \protected@edef\@currentlabel{%
13796   \csname p@footnote\endcsname\@thefnmark}%
13797 \color@begingroup
13798   \@sevenscolfootfmt{#1}%
13799 \color@endgroup}%
13800 \m@mmf@prepare
13801 \if@RTL@footnote
13802   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
13803 \else
13804   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13805 \fi
13806 }
13807 \bidi@ensure@newcommand{\@sevenscolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
13808 \def\baselinestretch{\m@m@footnote@spacing}%
13809 \reset@font\LTRfoottextfont
13810 \@preamfntext
13811 \protected@edef\@currentlabel{%
13812   \csname p@footnote\endcsname\@thefnmark}%
13813 \color@begingroup
13814   \@sevenscolLTRfootfmt{#1}%
13815 \color@endgroup}%
13816 \m@mmf@prepare}
13817 \newcommand{\@SevenColLTRfootnotetext}[1]{%
13818 \bidi@step@absolute@footnote@count
13819 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
13820 \global\setbox\footinsv@l\vbox{%
13821 \unvbox\footinsv@l
13822 \@RTLfalse
13823 \def\baselinestretch{\m@m@footnote@spacing}%
13824 \reset@font\LTRfoottextfont
13825 \@preamfntext
13826 \protected@edef\@currentlabel{%
13827   \csname p@footnote\endcsname\@thefnmark}%
13828 \color@begingroup
13829   \@sevenscolLTRfootfmt{#1}%
13830 \color@endgroup}%
13831 \m@mmf@prepare
13832 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
13833 }
13834 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
13835 \def\baselinestretch{\m@m@footnote@spacing}%
13836 \reset@font\RTLfoottextfont
13837 \@preamfntext
13838 \protected@edef\@currentlabel{%

```



```

13839   \csname p@footnote\endcsname\@thefnmark}%
13840   \color@begingroup
13841     \@sevenscolRTLfootfmt{#1}%
13842   \color@endgroup}%
13843   \m@mmf@prepare}
13844 \newcommand{\@SevenColRTLfootnotetext}[1]{%
13845   \bidi@step@absolute@footnote@count
13846   \bidi@reinsert@footnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
13847   \global\setbox\footinsv@r\vbox{%
13848     \unvbox\footinsv@r
13849     \@RTLtrue
13850     \def\baselinestretch{\m@m@footnote@spacing}%
13851     \reset@font\RTLfoottextfont
13852     \@preamfntext
13853     \protected@edef\@currentlabel{%
13854       \csname p@footnote\endcsname\@thefnmark}%
13855     \color@begingroup
13856       \@sevenscolRTLfootfmt{#1}%
13857     \color@endgroup}%
13858     \m@mmf@prepare
13859     \bidi@reinsert@final@footnote@perpage\footinsv@r\@footstartv@r\@footgroupv@r
13860   }
13861 \bidi@ensure@newcommand{\@preamsevenfmt}{%
13862   \hspace .142\hspace
13863   \parindent=\z@
13864   \tolerance=5000\relax
13865   \leavevmode}
13866 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
13867   \@preamsevenfmt
13868   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
13869 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
13870   \@preamsevenfmt
13871   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
13872 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
13873   \@preamsevenfmt
13874   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
13875 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{%
13876   \global\setbox
13877     \if@RTL@footnote
13878     \@mpfootinsv@r
13879   \else
13880     \@mpfootinsv@l
13881   \fi
13882   \vbox{%
13883     \unvbox
13884     \if@RTL@footnote
13885     \@mpfootinsv@r
13886   \else
13887     \@mpfootinsv@l
13888   \fi
13889   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13890   \def\baselinestretch{\m@m@footnote@spacing}%
13891   \reset@font\foottextfont
13892   \hspace\columnwidth \@parboxrestore

```



```

13893 \protected@edef\@currentlabel{%
13894 \csname p@mpfootnote\endcsname\@thefnmark}%
13895 \color@begingroup
13896 \@sevendcolfootfmt{#1}%
13897 \color@endgroup}%
13898 \m@mmf@prepare}
13899 \newcommand{\@mpSevenColfootnotetext}[1]{%
13900 \if@RTL@footnote
13901 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13902 \else
13903 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13904 \fi
13905 \global\setbox
13906 \if@RTL@footnote
13907 \@mpfootinsv@r
13908 \else
13909 \@mpfootinsv@l
13910 \fi
13911 \vbox{%
13912 \unvbox
13913 \if@RTL@footnote
13914 \@mpfootinsv@r
13915 \else
13916 \@mpfootinsv@l
13917 \fi
13918 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
13919 \def\baselinestretch{\m@m@footnote@spacing}%
13920 \reset@font\foottextfont
13921 \hsize\columnwidth \@parboxrestore
13922 \protected@edef\@currentlabel{%
13923 \csname p@mpfootnote\endcsname\@thefnmark}%
13924 \color@begingroup
13925 \@sevendcolfootfmt{#1}%
13926 \color@endgroup}%
13927 \m@mmf@prepare}
13928 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{%
13929 \global\setbox\@mpfootinsv@l\vbox{%
13930 \unvbox\@mpfootinsv@l
13931 \@RTLfalse
13932 \def\baselinestretch{\m@m@footnote@spacing}%
13933 \reset@font\LTRfoottextfont
13934 \hsize\columnwidth \@parboxrestore
13935 \protected@edef\@currentlabel{%
13936 \csname p@mpfootnote\endcsname\@thefnmark}%
13937 \color@begingroup
13938 \@sevendcolLTRfootfmt{#1}%
13939 \color@endgroup}%
13940 \m@mmf@prepare}
13941 \newcommand{\@mpSevenCollTRfootnotetext}[1]{%
13942 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
13943 \global\setbox\@mpfootinsv@l\vbox{%
13944 \unvbox\@mpfootinsv@l
13945 \@RTLfalse
13946 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

13947 \reset@font\LTRfoottextfont
13948 \hsize\columnwidth \@parboxrestore
13949 \protected@edef\@currentlabel{%
13950 \csname p@mpfootnote\endcsname\@thefnmark}%
13951 \color@begingroup
13952 \@sevenscolLTRfootfmt{#1}%
13953 \color@endgroup}%
13954 \m@mmf@prepare}
13955 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{%
13956 \global\setbox\@mpfootinsv@r\vbox{%
13957 \unvbox\@mpfootinsv@r
13958 \@RTLtrue
13959 \def\baselinestretch{\m@m@footnote@spacing}%
13960 \reset@font\RTLfoottextfont
13961 \hsize\columnwidth \@parboxrestore
13962 \protected@edef\@currentlabel{%
13963 \csname p@mpfootnote\endcsname\@thefnmark}%
13964 \color@begingroup
13965 \@sevenscolRTLfootfmt{#1}%
13966 \color@endgroup}%
13967 \m@mmf@prepare}
13968 \newcommand{\@mpSevenColRTLfootnotetext}[1]{%
13969 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
13970 \global\setbox\@mpfootinsv@r\vbox{%
13971 \unvbox\@mpfootinsv@r
13972 \@RTLtrue
13973 \def\baselinestretch{\m@m@footnote@spacing}%
13974 \reset@font\RTLfoottextfont
13975 \hsize\columnwidth \@parboxrestore
13976 \protected@edef\@currentlabel{%
13977 \csname p@mpfootnote\endcsname\@thefnmark}%
13978 \color@begingroup
13979 \@sevenscolRTLfootfmt{#1}%
13980 \color@endgroup}%
13981 \m@mmf@prepare}
13982 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
13983 \@namedef{@sevenscol@footgroup#1}{%
13984 \def\baselinestretch{\m@m@footnote@spacing}%
13985 \hsize\bidi@columnwidth
13986 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13987 \m@r@rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
13988 \newcommand{\bidi@make@sevenscol@LTRfootgroup}[1]{%
13989 \@namedef{@sevenscol@LTRfootgroup#1}{%
13990 \def\baselinestretch{\m@m@footnote@spacing}%
13991 \hsize\bidi@columnwidth
13992 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13993 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
13994 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
13995 \@namedef{@mpsevenscol@footgroup#1}{%
13996 \def\baselinestretch{\m@m@footnote@spacing}%
13997 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
13998 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
13999 \newcommand{\bidi@make@mpsevenscol@LTRfootgroup}[1]{%
14000 \@namedef{@mpsevenscol@LTRfootgroup#1}{%

```



```

14001 \def\baselinestretch{\m@footnote@spacing}%
14002 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14003 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{7}{\splittopskip}}
14004 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
14005 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14006 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14007 \@bidi@before@Hy@hyperfootnotes
14008 \let\@footnotetext\@eightcolfootnotetext
14009 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
14010 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
14011 \dimen\footinsv@r=8\footinsdim
14012 \count\footinsv@r=125\relax
14013 \m@make@eightcol@footgroup{v@r}%
14014 \let\@footgroupv@r\@eightcol@footgroupv@r
14015 \dimen\footinsv@l=8\footinsdim
14016 \count\footinsv@l=125\relax
14017 \bidi@make@eightcol@LTRfootgroup{v@l}%
14018 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
14019 \let\@mpfootnotetext\@mpeightcolfootnotetext
14020 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
14021 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
14022 \@bidi@after@Hy@hyperfootnotes
14023 \m@make@mpeightcol@footgroup{v@r}%
14024 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
14025 \bidi@make@mpeightcol@LTRfootgroup{v@l}%
14026 \let\mp@LTRfootgroupv@l\@mpeightcol@LTRfootgroupv@l
14027 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14028 }
14029 \newcommand{\EightColumnFootnotes}{%
14030 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14031 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14032 \@bidi@before@Hy@hyperfootnotes
14033 \let\@footnotetext\@EightColfootnotetext
14034 \let\@LTRfootnotetext\@EightColLTRfootnotetext
14035 \let\@RTLfootnotetext\@EightColRTLfootnotetext
14036 \dimen\footinsv@r=8\footinsdim
14037 \count\footinsv@r=125\relax
14038 \m@make@eightcol@footgroup{v@r}%
14039 \let\@footgroupv@r\@eightcol@footgroupv@r
14040 \dimen\footinsv@l=8\footinsdim
14041 \count\footinsv@l=125\relax
14042 \bidi@make@eightcol@LTRfootgroup{v@l}%
14043 \let\@LTRfootgroupv@l\@eightcol@LTRfootgroupv@l
14044 \let\@mpfootnotetext\@mpEightColfootnotetext
14045 \let\@mpLTRfootnotetext\@mpEightColLTRfootnotetext
14046 \let\@mpRTLfootnotetext\@mpEightColRTLfootnotetext
14047 \@bidi@after@Hy@hyperfootnotes
14048 \m@make@mpeightcol@footgroup{v@r}%
14049 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
14050 \bidi@make@mpeightcol@LTRfootgroup{v@l}%
14051 \let\mp@LTRfootgroupv@l\@mpeightcol@LTRfootgroupv@l
14052 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14053 }
14054 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert

```



```

14055 \if@RTL@footnote
14056   \footinsv@r
14057 \else
14058   \footinsv@l
14059 \fi
14060 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14061  \def\baselinestretch{\m@m@footnote@spacing}%
14062  \reset@font\foottextfont
14063  \@preamfntext
14064  \protected@edef\@currentlabel{%
14065   \csname p@footnote\endcsname\@thefnmark}%
14066  \color@begingroup
14067   \@eightcolfootfmt{#1}%
14068  \color@endgroup}%
14069  \m@mmf@prepare}
14070 \newcommand{\@EightColfootnotetext}[1]{%
14071  \bidi@step@absolute@footnote@count
14072  \if@RTL@footnote
14073   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14074 \else
14075   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14076 \fi
14077 \global\setbox
14078 \if@RTL@footnote
14079   \footinsv@r
14080 \else
14081   \footinsv@l
14082 \fi
14083 \vbox{%
14084  \unvbox
14085  \if@RTL@footnote
14086   \footinsv@r
14087 \else
14088   \footinsv@l
14089 \fi
14090 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14091  \def\baselinestretch{\m@m@footnote@spacing}%
14092  \reset@font\foottextfont
14093  \@preamfntext
14094  \protected@edef\@currentlabel{%
14095   \csname p@footnote\endcsname\@thefnmark}%
14096  \color@begingroup
14097   \@eightcolfootfmt{#1}%
14098  \color@endgroup}%
14099  \m@mmf@prepare
14100 \if@RTL@footnote
14101   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14102 \else
14103   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14104 \fi
14105 }
14106 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14107  \def\baselinestretch{\m@m@footnote@spacing}%
14108  \reset@font\LTRfoottextfont

```



```

14109 \@preamfntext
14110 \protected@edef\@currentlabel{%
14111   \csname p@footnote\endcsname\@thefnmark}%
14112 \color@begingroup
14113   \@eightcolLTRfootfmt{#1}%
14114 \color@endgroup}%
14115 \m@mmf@prepare}
14116 \newcommand{\@EightColLTRfootnotetext}[1]{%
14117   \bidi@step@absolute@footnote@count
14118   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14119   \global\setbox\footinsv@l\vbox{%
14120     \unvbox\footinsv@l
14121     \@RTLfalse
14122     \def\baselinestretch{\m@m@footnote@spacing}%
14123     \reset@font\LTRfoottextfont
14124     \@preamfntext
14125     \protected@edef\@currentlabel{%
14126       \csname p@footnote\endcsname\@thefnmark}%
14127     \color@begingroup
14128       \@eightcolLTRfootfmt{#1}%
14129     \color@endgroup}%
14130     \m@mmf@prepare
14131     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14132   }
14133 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14134   \def\baselinestretch{\m@m@footnote@spacing}%
14135   \reset@font\RTLfoottextfont
14136   \@preamfntext
14137   \protected@edef\@currentlabel{%
14138     \csname p@footnote\endcsname\@thefnmark}%
14139   \color@begingroup
14140     \@eightcolRTLfootfmt{#1}%
14141   \color@endgroup}%
14142   \m@mmf@prepare}
14143 \newcommand{\@EightColRTLfootnotetext}[1]{%
14144   \bidi@step@absolute@footnote@count
14145   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14146   \global\setbox\footinsv@r\vbox{%
14147     \unvbox\footinsv@r
14148     \@RTLtrue%
14149     \def\baselinestretch{\m@m@footnote@spacing}%
14150     \reset@font\RTLfoottextfont
14151     \@preamfntext
14152     \protected@edef\@currentlabel{%
14153       \csname p@footnote\endcsname\@thefnmark}%
14154     \color@begingroup
14155       \@eightcolRTLfootfmt{#1}%
14156     \color@endgroup}%
14157     \m@mmf@prepare
14158     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14159   }
14160 \bidi@ensure@newcommand{\@preameightfmt}{%
14161   \hspace .125\hspace
14162   \parindent=\z@

```




```

14163 \tolerance=5000\relax
14164 \leavevmode}
14165 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
14166 \@preameightfmt
14167 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14168 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
14169 \@preameightfmt
14170 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14171 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
14172 \@preameightfmt
14173 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14174 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
14175 \global\setbox
14176 \if@RTL@footnote
14177 \@mpfootinsv@r
14178 \else
14179 \@mpfootinsv@l
14180 \fi
14181 \vbox{%
14182 \unvbox
14183 \if@RTL@footnote
14184 \@mpfootinsv@r
14185 \else
14186 \@mpfootinsv@l
14187 \fi
14188 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14189 \def\baselinestretch{\m@m@footnote@spacing}%
14190 \reset@font\foottextfont
14191 \hsize\columnwidth \@parboxrestore
14192 \protected@edef\@currentlabel{%
14193 \csname p@mpfootnote\endcsname\@thefnmark}%
14194 \color@begingroup
14195 \@eightcolfootfmt{#1}%
14196 \color@endgroup}%
14197 \m@mmf@prepare}
14198 \newcommand{\@mpEightColfootnotetext}[1]{%
14199 \if@RTL@footnote
14200 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14201 \else
14202 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14203 \fi
14204 \global\setbox
14205 \if@RTL@footnote
14206 \@mpfootinsv@r
14207 \else
14208 \@mpfootinsv@l
14209 \fi
14210 \vbox{%
14211 \unvbox
14212 \if@RTL@footnote
14213 \@mpfootinsv@r
14214 \else
14215 \@mpfootinsv@l
14216 \fi

```



```

14217 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14218 \def\baselinestretch{\m@m@footnote@spacing}%
14219 \reset@font\foottextfont
14220 \hsize\columnwidth \@parboxrestore
14221 \protected@edef\@currentlabel{%
14222   \csname p@mpfootnote\endcsname\@thefnmark}%
14223 \color@begingroup
14224   \@eightcolfootfmt{#1}%
14225 \color@endgroup}%
14226 \m@m@m@prepare}
14227 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
14228   \global\setbox\@mpfootinsv@1\vbox{%
14229     \unvbox\@mpfootinsv@1
14230     \@RTLfalse
14231     \def\baselinestretch{\m@m@footnote@spacing}%
14232     \reset@font\LTRfoottextfont
14233     \hsize\columnwidth \@parboxrestore
14234     \protected@edef\@currentlabel{%
14235       \csname p@mpfootnote\endcsname\@thefnmark}%
14236     \color@begingroup
14237       \@eightcolLTRfootfmt{#1}%
14238     \color@endgroup}%
14239     \m@m@m@prepare}
14240 \newcommand{\@mpEightColLTRfootnotetext}[1]{%
14241   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\@mp@footgroupv@r
14242   \global\setbox\@mpfootinsv@1\vbox{%
14243     \unvbox\@mpfootinsv@1
14244     \@RTLfalse
14245     \def\baselinestretch{\m@m@footnote@spacing}%
14246     \reset@font\LTRfoottextfont
14247     \hsize\columnwidth \@parboxrestore
14248     \protected@edef\@currentlabel{%
14249       \csname p@mpfootnote\endcsname\@thefnmark}%
14250     \color@begingroup
14251       \@eightcolLTRfootfmt{#1}%
14252     \color@endgroup}%
14253     \m@m@m@prepare}
14254 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
14255   \global\setbox\@mpfootinsv@r\vbox{%
14256     \unvbox\@mpfootinsv@r
14257     \@RTLtrue
14258     \def\baselinestretch{\m@m@footnote@spacing}%
14259     \reset@font\RTLfoottextfont
14260     \hsize\columnwidth \@parboxrestore
14261     \protected@edef\@currentlabel{%
14262       \csname p@mpfootnote\endcsname\@thefnmark}%
14263     \color@begingroup
14264       \@eightcolRTLfootfmt{#1}%
14265     \color@endgroup}%
14266     \m@m@m@prepare}
14267 \newcommand{\@mpEightColRTLfootnotetext}[1]{%
14268   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\@mp@LTRfootgroupv@l
14269   \global\setbox\@mpfootinsv@r\vbox{%
14270     \unvbox\@mpfootinsv@r

```



```

14271 \RTLtrue
14272 \def\baselinestretch{\m@m@footnote@spacing}%
14273 \reset@font\RTLfoottextfont
14274 \hsize\columnwidth \@parboxrestore
14275 \protected@edef\@currentlabel{%
14276 \curname p@mpfootnote\endcsname\@thefnmark}%
14277 \color@begingroup
14278 \@eightcolRTLfootfmt{#1}%
14279 \color@endgroup}%
14280 \m@mmf@prepare}
14281 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
14282 \@namedef{@eightcol@footgroup#1}{%
14283 \def\baselinestretch{\m@m@footnote@spacing}%
14284 \hsize\bidi@columnwidth
14285 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14286 \m@r@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
14287 \newcommand{\bidi@make@eightcol@LTRfootgroup}[1]{%
14288 \@namedef{@eightcol@LTRfootgroup#1}{%
14289 \def\baselinestretch{\m@m@footnote@spacing}%
14290 \hsize\bidi@columnwidth
14291 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14292 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
14293 \bidi@ensure@newcommand{\m@make@mp@eightcol@footgroup}[1]{%
14294 \@namedef{@mp@eightcol@footgroup#1}{%
14295 \def\baselinestretch{\m@m@footnote@spacing}%
14296 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14297 \m@r@rigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}}
14298 \newcommand{\bidi@make@mp@eightcol@LTRfootgroup}[1]{%
14299 \@namedef{@mp@eightcol@LTRfootgroup#1}{%
14300 \def\baselinestretch{\m@m@footnote@spacing}%
14301 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14302 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}}
14303 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
14304 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14305 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14306 \@bidi@before@Hy@hyperfootnotes
14307 \let\@footnotetext\@ninecolfootnotetext
14308 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
14309 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
14310 \dimen\footinsv@r=9\footinsdim
14311 \count\footinsv@r=111\relax
14312 \m@make@ninecol@footgroup{v@r}%
14313 \let\@footgroupv@r\@ninecol@footgroupv@r
14314 \dimen\footinsv@l=9\footinsdim
14315 \count\footinsv@l=111\relax
14316 \bidi@make@ninecol@LTRfootgroup{v@l}%
14317 \let\@LTRfootgroupv@l\@ninecol@LTRfootgroupv@l
14318 \let\@mpfootnotetext\@mpninecolfootnotetext
14319 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
14320 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
14321 \@bidi@after@Hy@hyperfootnotes
14322 \m@make@mpninecol@footgroup{v@r}%
14323 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
14324 \bidi@make@mpninecol@LTRfootgroup{v@l}%

```



```

14325 \let\mp@LTRfootgroupv@1\@mpninecol@LTRfootgroupv@1
14326 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
14327 }
14328 \newcommand{\@NineColumnFootnotes}{%
14329 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14330 \@namedef{foottextfontv@1}{\LTRfoottextfont}%
14331 \@bidi@before@Hy@hyperfootnotes
14332 \let\@footnotetext\@NineColfootnotetext
14333 \let\@LTRfootnotetext\@NineColLTRfootnotetext
14334 \let\@RTLfootnotetext\@NineColRTLfootnotetext
14335 \dimen\footinsv@r=9\footinsdim
14336 \count\footinsv@r=111\relax
14337 \m@make@ninecol@footgroup{v@r}%
14338 \let\@footgroupv@r\@ninecol@footgroupv@r
14339 \dimen\footinsv@1=9\footinsdim
14340 \count\footinsv@1=111\relax
14341 \bidi@make@ninecol@LTRfootgroup{v@1}%
14342 \let\@LTRfootgroupv@1\@ninecol@LTRfootgroupv@1
14343 \let\@mpfootnotetext\@mpNineColfootnotetext
14344 \let\@mpLTRfootnotetext\@mpNineColLTRfootnotetext
14345 \let\@mpRTLfootnotetext\@mpNineColRTLfootnotetext
14346 \@bidi@after@Hy@hyperfootnotes
14347 \m@make@mpninecol@footgroup{v@r}%
14348 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
14349 \bidi@make@mpninecol@LTRfootgroup{v@1}%
14350 \let\mp@LTRfootgroupv@1\@mpninecol@LTRfootgroupv@1
14351 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
14352 }
14353 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert
14354 \ifRTL@footnote
14355 \footinsv@r
14356 \else
14357 \footinsv@1
14358 \fi
14359 {\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14360 \def\baselinestretch{\m@f@footnote@spacing}%
14361 \reset@font\foottextfont
14362 \@preamfntext
14363 \protected@edef\@currentlabel{%
14364 \c@name p@footnote\endc@name\@thefnmark}%
14365 \color@begingroup
14366 \@ninecolfootfmt{#1}%
14367 \color@endgroup}%
14368 \m@mmf@prepare}
14369 \newcommand{\@NineColfootnotetext}[1]{%
14370 \bidi@step@absolute@footnote@count
14371 \ifRTL@footnote
14372 \bidi@reinsert@footnote\footinsv@1\@footstartv@1\@LTRfootgroupv@1
14373 \else
14374 \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
14375 \fi
14376 \global\setbox
14377 \ifRTL@footnote
14378 \footinsv@r

```



```

14379 \else
14380   \footinsv@l
14381 \fi
14382 \vbox{%
14383   \unvbox
14384   \if@RTL@footnote
14385     \footinsv@r
14386   \else
14387     \footinsv@l
14388   \fi
14389   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14390   \def\baselinestretch{\m@m@footnote@spacing}%
14391   \reset@font\foottextfont
14392   \@preamfntext
14393   \protected@edef\@currentlabel{%
14394     \csname p@footnote\endcsname\@thefnmark}%
14395   \color@begingroup
14396     \@ninecolfootfmt{#1}%
14397   \color@endgroup}%
14398   \m@mmf@prepare
14399   \if@RTL@footnote
14400     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14401   \else
14402     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14403   \fi
14404 }
14405 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14406   \def\baselinestretch{\m@m@footnote@spacing}%
14407   \reset@font\LTRfoottextfont
14408   \@preamfntext
14409   \protected@edef\@currentlabel{%
14410     \csname p@footnote\endcsname\@thefnmark}%
14411   \color@begingroup
14412     \@ninecolLTRfootfmt{#1}%
14413   \color@endgroup}%
14414   \m@mmf@prepare}
14415 \newcommand{\@NineColLTRfootnotetext}[1]{%
14416   \bidi@step@absolute@footnote@count
14417   \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14418   \global\setbox\footinsv@l\vbox{%
14419     \unvbox\footinsv@l
14420     \@RTLfalse
14421     \def\baselinestretch{\m@m@footnote@spacing}%
14422     \reset@font\LTRfoottextfont
14423     \@preamfntext
14424     \protected@edef\@currentlabel{%
14425       \csname p@footnote\endcsname\@thefnmark}%
14426     \color@begingroup
14427       \@ninecolLTRfootfmt{#1}%
14428     \color@endgroup}%
14429     \m@mmf@prepare
14430     \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14431   }
14432 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%

```



```

14433 \def\baselinestretch{\m@m@footnote@spacing}%
14434 \reset@font\RTLfoottextfont
14435 \@preamfntext
14436 \protected@edef\@currentlabel{%
14437   \csname p@footnote\endcsname\@thefnmark}%
14438 \color@begingroup
14439   \@ninecolRTLfootfmt{#1}%
14440 \color@endgroup}%
14441 \m@mmf@prepare}
14442 \newcommand{\@NineColRTLfootnotetext}[1]{%
14443   \bidi@step@absolute@footnote@count
14444   \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14445   \global\setbox\footinsv@r\vbox{%
14446     \unvbox\footinsv@r
14447     \RTLtrue
14448     \def\baselinestretch{\m@m@footnote@spacing}%
14449     \reset@font\RTLfoottextfont
14450     \@preamfntext
14451     \protected@edef\@currentlabel{%
14452       \csname p@footnote\endcsname\@thefnmark}%
14453     \color@begingroup
14454       \@ninecolRTLfootfmt{#1}%
14455     \color@endgroup}%
14456     \m@mmf@prepare
14457     \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14458   }
14459 \bidi@ensure@newcommand{\@preamninefmt}{%
14460   \hsize .1\hsize
14461   \parindent=\z@
14462   \tolerance=5000\relax
14463   \leavevmode}
14464 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
14465   \@preamninefmt
14466   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14467 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
14468   \@preamninefmt
14469   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14470 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
14471   \@preamninefmt
14472   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14473 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
14474   \global\setbox
14475     \if@RTL@footnote
14476     \@mpfootinsv@r
14477   \else
14478     \@mpfootinsv@l
14479   \fi
14480   \vbox{%
14481     \unvbox
14482     \if@RTL@footnote
14483     \@mpfootinsv@r
14484   \else
14485     \@mpfootinsv@l
14486   \fi

```



```

14487 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14488 \def\baselinestretch{\m@m@footnote@spacing}%
14489 \reset@font\foottextfont
14490 \hsize\columnwidth \@parboxrestore
14491 \protected@edef\@currentlabel{%
14492 \csname p@mpfootnote\endcsname\@thefnmark}%
14493 \color@begingroup
14494 \@ninecolfootfmt{#1}%
14495 \color@endgroup}%
14496 \m@mmf@prepare}
14497 \newcommand{\@mpNineColfootnotetext}[1]{%
14498 \if@RTL@footnote
14499 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14500 \else
14501 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14502 \fi
14503 \global\setbox
14504 \if@RTL@footnote
14505 \@mpfootinsv@r
14506 \else
14507 \@mpfootinsv@l
14508 \fi
14509 \vbox{%
14510 \unvbox
14511 \if@RTL@footnote
14512 \@mpfootinsv@r
14513 \else
14514 \@mpfootinsv@l
14515 \fi
14516 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14517 \def\baselinestretch{\m@m@footnote@spacing}%
14518 \reset@font\foottextfont
14519 \hsize\columnwidth \@parboxrestore
14520 \protected@edef\@currentlabel{%
14521 \csname p@mpfootnote\endcsname\@thefnmark}%
14522 \color@begingroup
14523 \@ninecolfootfmt{#1}%
14524 \color@endgroup}%
14525 \m@mmf@prepare}
14526 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
14527 \global\setbox\@mpfootinsv@l\vbox{%
14528 \unvbox\@mpfootinsv@l
14529 \@RTLfalse
14530 \def\baselinestretch{\m@m@footnote@spacing}%
14531 \reset@font\LTRfoottextfont
14532 \hsize\columnwidth \@parboxrestore
14533 \protected@edef\@currentlabel{%
14534 \csname p@mpfootnote\endcsname\@thefnmark}%
14535 \color@begingroup
14536 \@ninecolLTRfootfmt{#1}%
14537 \color@endgroup}%
14538 \m@mmf@prepare}
14539 \newcommand{\@mpNineColLTRfootnotetext}[1]{%
14540 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r

```



```

14541 \global\setbox\@mpfootinsv@l\vbox{%
14542   \unvbox\@mpfootinsv@l
14543   \@RTLfalse
14544   \def\baselinestretch{\m@m@footnote@spacing}%
14545   \reset@font\LTRfoottextfont
14546   \hsize\columnwidth \@parboxrestore
14547   \protected@edef\@currentlabel{%
14548     \csname p@mpfootnote\endcsname\@thefnmark}%
14549   \color@begingroup
14550     \@ninecolLTRfootfmt{#1}%
14551   \color@endgroup}%
14552   \m@mmf@prepare}
14553 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
14554   \global\setbox\@mpfootinsv@r\vbox{%
14555     \unvbox\@mpfootinsv@r
14556     \@RTLtrue
14557     \def\baselinestretch{\m@m@footnote@spacing}%
14558     \reset@font\RTLfoottextfont
14559     \hsize\columnwidth \@parboxrestore
14560     \protected@edef\@currentlabel{%
14561       \csname p@mpfootnote\endcsname\@thefnmark}%
14562     \color@begingroup
14563       \@ninecolRTLfootfmt{#1}%
14564     \color@endgroup}%
14565     \m@mmf@prepare}
14566 \newcommand{\@mpNineColRTLfootnotetext}[1]{%
14567   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14568   \global\setbox\@mpfootinsv@r\vbox{%
14569     \unvbox\@mpfootinsv@r
14570     \@RTLtrue
14571     \def\baselinestretch{\m@m@footnote@spacing}%
14572     \reset@font\RTLfoottextfont
14573     \hsize\columnwidth \@parboxrestore
14574     \protected@edef\@currentlabel{%
14575       \csname p@mpfootnote\endcsname\@thefnmark}%
14576     \color@begingroup
14577       \@ninecolRTLfootfmt{#1}%
14578     \color@endgroup}%
14579     \m@mmf@prepare}
14580 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
14581   \@namedef{\@ninecol@footgroup#1}{%
14582     \def\baselinestretch{\m@m@footnote@spacing}%
14583     \hsize\bidi@columnwidth
14584     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14585     \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
14586 \newcommand{\bidi@make@ninecol@LTRfootgroup}[1]{%
14587   \@namedef{\@ninecol@LTRfootgroup#1}{%
14588     \def\baselinestretch{\m@m@footnote@spacing}%
14589     \hsize\bidi@columnwidth
14590     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14591     \bidi@LTRrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
14592 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
14593   \@namedef{\@mpninecol@footgroup#1}{%
14594     \def\baselinestretch{\m@m@footnote@spacing}%

```




```

14595 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14596 \m@mrigidbalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}}}
14597 \newcommand{\bidi@make@mpninel@LTRfootgroup}[1]{%
14598 \@namedef{@mpninel@LTRfootgroup#1}{%
14599 \def\baselinestretch{\m@tfootnote@spacing}%
14600 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14601 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{9}{\splittopskip}}}}
14602 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
14603 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14604 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14605 \@bidi@before@Hy@hyperfootnotes
14606 \let\@footnotetext\@tencolfootnotetext
14607 \let\@LTRfootnotetext\@tencolLTRfootnotetext
14608 \let\@RTLfootnotetext\@tencolRTLfootnotetext
14609 \dimen\footinsv@r=10\footinsdim
14610 \count\footinsv@r=100\relax
14611 \m@make@tencol@footgroup{v@r}%
14612 \let\@footgroupv@r\@tencol@footgroupv@r
14613 \dimen\footinsv@l=10\footinsdim
14614 \count\footinsv@l=100\relax
14615 \bidi@make@tencol@LTRfootgroup{v@l}%
14616 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14617 \let\@mpfootnotetext\@mptencolfootnotetext
14618 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
14619 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
14620 \@bidi@after@Hy@hyperfootnotes
14621 \m@make@mptencol@footgroup{v@r}%
14622 \let\mp@footgroupv@r\@mptencol@footgroupv@r
14623 \bidi@make@mptencol@LTRfootgroup{v@l}%
14624 \let\mp@LTRfootgroupv@l\@mptencol@LTRfootgroupv@l
14625 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14626 }
14627 \newcommand{\TenColumnFootnotes}{%
14628 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14629 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14630 \@bidi@before@Hy@hyperfootnotes
14631 \let\@footnotetext\@TenColfootnotetext
14632 \let\@LTRfootnotetext\@TenColLTRfootnotetext
14633 \let\@RTLfootnotetext\@TenColRTLfootnotetext
14634 \dimen\footinsv@r=10\footinsdim
14635 \count\footinsv@r=100\relax
14636 \m@make@tencol@footgroup{v@r}%
14637 \let\@footgroupv@r\@tencol@footgroupv@r
14638 \dimen\footinsv@l=10\footinsdim
14639 \count\footinsv@l=100\relax
14640 \bidi@make@tencol@LTRfootgroup{v@l}%
14641 \let\@LTRfootgroupv@l\@tencol@LTRfootgroupv@l
14642 \let\@mpfootnotetext\@mpTenColfootnotetext
14643 \let\@mpLTRfootnotetext\@mpTenColLTRfootnotetext
14644 \let\@mpRTLfootnotetext\@mpTenColRTLfootnotetext
14645 \@bidi@after@Hy@hyperfootnotes
14646 \m@make@mptencol@footgroup{v@r}%
14647 \let\mp@footgroupv@r\@mptencol@footgroupv@r
14648 \bidi@make@mptencol@LTRfootgroup{v@l}%

```



```

14649 \let\mp@LTRfootgroupv@1\@mptencol@LTRfootgroupv@1
14650 \ifstar\ bidi@star@footmarkwidth\ bidi@normal@footmarkwidth
14651 }
14652 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert
14653 \if@RTL@footnote
14654 \footinsv@r
14655 \else
14656 \footinsv@l
14657 \fi
14658 {\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
14659 \def\baselinestretch{\m@m@footnote@spacing}%
14660 \reset@font\foottextfont
14661 \@preamfntext
14662 \protected@edef\@currentlabel{%
14663 \csname p@footnote\endcsname\@thefnmark}%
14664 \color@begingroup
14665 \@tencolfootfmt{#1}%
14666 \color@endgroup}%
14667 \m@mmf@prepare}
14668 \newcommand{\@TenColfootnotetext}[1]{%
14669 \bidi@step@absolute@footnote@count
14670 \if@RTL@footnote
14671 \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@1
14672 \else
14673 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
14674 \fi
14675 \global\setbox
14676 \if@RTL@footnote
14677 \footinsv@r
14678 \else
14679 \footinsv@l
14680 \fi
14681 \vbox{%
14682 \unvbox
14683 \if@RTL@footnote
14684 \footinsv@r
14685 \else
14686 \footinsv@l
14687 \fi
14688 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14689 \def\baselinestretch{\m@m@footnote@spacing}%
14690 \reset@font\foottextfont
14691 \@preamfntext
14692 \protected@edef\@currentlabel{%
14693 \csname p@footnote\endcsname\@thefnmark}%
14694 \color@begingroup
14695 \@tencolfootfmt{#1}%
14696 \color@endgroup}%
14697 \m@mmf@prepare
14698 \if@RTL@footnote
14699 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
14700 \else
14701 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@1
14702 \fi

```



```

14703 }
14704 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@l{\@RTLfalse%
14705 \def\baselinestretch{\m@m@footnote@spacing}%
14706 \reset@font\LTRfoottextfont
14707 \@preamfntext
14708 \protected@edef\@currentlabel{%
14709 \csname p@footnote\endcsname\@thefnmark}%
14710 \color@begingroup
14711 \@tencolLTRfootfmt{#1}%
14712 \color@endgroup}%
14713 \m@mmf@prepare}
14714 \newcommand{\@TenColLTRfootnotetext}[1]{%
14715 \bidi@step@absolute@footnote@count
14716 \bidi@reinsert@footnote\footinsv@r\@footstartv@r\@footgroupv@r
14717 \global\setbox\footinsv@l\vbox{%
14718 \unvbox\footinsv@l
14719 \@RTLfalse%
14720 \def\baselinestretch{\m@m@footnote@spacing}%
14721 \reset@font\LTRfoottextfont
14722 \@preamfntext
14723 \protected@edef\@currentlabel{%
14724 \csname p@footnote\endcsname\@thefnmark}%
14725 \color@begingroup
14726 \@tencolLTRfootfmt{#1}%
14727 \color@endgroup}%
14728 \m@mmf@prepare
14729 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14730 }
14731 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
14732 \def\baselinestretch{\m@m@footnote@spacing}%
14733 \reset@font\RTLfoottextfont
14734 \@preamfntext
14735 \protected@edef\@currentlabel{%
14736 \csname p@footnote\endcsname\@thefnmark}%
14737 \color@begingroup
14738 \@tencolRTLfootfmt{#1}%
14739 \color@endgroup}%
14740 \m@mmf@prepare}
14741 \newcommand{\@TenColRTLfootnotetext}[1]{%
14742 \bidi@step@absolute@footnote@count
14743 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
14744 \global\setbox\footinsv@r\vbox{%
14745 \unvbox\footinsv@r
14746 \@RTLtrue
14747 \def\baselinestretch{\m@m@footnote@spacing}%
14748 \reset@font\RTLfoottextfont
14749 \@preamfntext
14750 \protected@edef\@currentlabel{%
14751 \csname p@footnote\endcsname\@thefnmark}%
14752 \color@begingroup
14753 \@tencolRTLfootfmt{#1}%
14754 \color@endgroup}%
14755 \m@mmf@prepare
14756 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r

```



```

14757 }
14758 \bidi@ensure@newcommand{\@preamtenfmt}{%
14759   \hspace .1\hspace
14760   \parindent=\z@
14761   \tolerance=5000\relax
14762   \leavevmode}
14763 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
14764   \@preamtenfmt
14765   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
14766 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
14767   \@preamtenfmt
14768   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
14769 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
14770   \@preamtenfmt
14771   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
14772 \bidi@ensure@newcommand{\@emptencolfootnotetext}[1]{%
14773   \global\setbox
14774     \if@RTL@footnote
14775     \@mpfootinsv@r
14776   \else
14777     \@mpfootinsv@l
14778   \fi
14779   \vbox{%
14780     \unvbox
14781     \if@RTL@footnote
14782     \@mpfootinsv@r
14783   \else
14784     \@mpfootinsv@l
14785   \fi
14786   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14787   \def\baselinestretch{\m@m@footnote@spacing}%
14788   \reset@font\foottextfont
14789   \hspace\columnwidth \@parboxrestore
14790   \protected@edef\@currentlabel{%
14791     \csname p@mpfootnote@endcsname\@thefnmark}%
14792   \color@begingroup
14793     \@tencolfootfmt{#1}%
14794   \color@endgroup}%
14795   \m@mmf@prepare}
14796 \newcommand{\@mpTenColfootnotetext}[1]{%
14797   \if@RTL@footnote
14798   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14799   \else
14800   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14801   \fi
14802   \global\setbox
14803     \if@RTL@footnote
14804     \@mpfootinsv@r
14805   \else
14806     \@mpfootinsv@l
14807   \fi
14808   \vbox{%
14809     \unvbox
14810     \if@RTL@footnote

```



```

14811 \mpfootinsv@r
14812 \else
14813 \mpfootinsv@l
14814 \fi
14815 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
14816 \def\baselinestretch{\m@m@footnote@spacing}%
14817 \reset@font\foottextfont
14818 \hsize\columnwidth \@parboxrestore
14819 \protected@edef\@currentlabel{%
14820 \csname p@mpfootnote\endcsname\@thefnmark}%
14821 \color@begingroup
14822 \@tencolfootfmt{#1}%
14823 \color@endgroup}%
14824 \m@mmf@prepare}
14825 \bidi@ensure@newcommand{\@mptencollTRfootnotetext}[1]{%
14826 \global\setbox\@mpfootinsv@l\vbox{%
14827 \unvbox\@mpfootinsv@l
14828 \@RTLfalse
14829 \def\baselinestretch{\m@m@footnote@spacing}%
14830 \reset@font\LTRfoottextfont
14831 \hsize\columnwidth \@parboxrestore
14832 \protected@edef\@currentlabel{%
14833 \csname p@mpfootnote\endcsname\@thefnmark}%
14834 \color@begingroup
14835 \@tencollTRfootfmt{#1}%
14836 \color@endgroup}%
14837 \m@mmf@prepare}
14838 \newcommand{\@mpTenCollTRfootnotetext}[1]{%
14839 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
14840 \global\setbox\@mpfootinsv@l\vbox{%
14841 \unvbox\@mpfootinsv@l
14842 \@RTLfalse
14843 \def\baselinestretch{\m@m@footnote@spacing}%
14844 \reset@font\LTRfoottextfont
14845 \hsize\columnwidth \@parboxrestore
14846 \protected@edef\@currentlabel{%
14847 \csname p@mpfootnote\endcsname\@thefnmark}%
14848 \color@begingroup
14849 \@tencollTRfootfmt{#1}%
14850 \color@endgroup}%
14851 \m@mmf@prepare}
14852 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
14853 \global\setbox\@mpfootinsv@r\vbox{%
14854 \unvbox\@mpfootinsv@r
14855 \@RTLtrue
14856 \def\baselinestretch{\m@m@footnote@spacing}%
14857 \reset@font\RTLfoottextfont
14858 \hsize\columnwidth \@parboxrestore
14859 \protected@edef\@currentlabel{%
14860 \csname p@mpfootnote\endcsname\@thefnmark}%
14861 \color@begingroup
14862 \@tencolRTLfootfmt{#1}%
14863 \color@endgroup}%
14864 \m@mmf@prepare}

```



```

14865 \newcommand{\@mpTenColRTLfootnotetext}[1]{%
14866 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
14867 \global\setbox\@mpfootinsv@r\vbox{%
14868 \unvbox\@mpfootinsv@r
14869 \RTLtrue
14870 \def\baselinestretch{\m@m@footnote@spacing}%
14871 \reset@font\RTLfoottextfont
14872 \hsize\columnwidth \@parboxrestore
14873 \protected@edef\@currentlabel{%
14874 \csname p@mpfootnote\endcsname\@thefnmark}%
14875 \color@begingroup
14876 \@tencolRTLfootfmt{#1}%
14877 \color@endgroup}%
14878 \m@m@prepare}
14879 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
14880 \@namedef{@tencol@footgroup#1}{%
14881 \def\baselinestretch{\m@m@footnote@spacing}%
14882 \hsize\bidi@columnwidth
14883 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14884 \m@m@rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}
14885 \newcommand{\bidi@make@tencol@LTRfootgroup}[1]{%
14886 \@namedef{@tencol@LTRfootgroup#1}{%
14887 \def\baselinestretch{\m@m@footnote@spacing}%
14888 \hsize\bidi@columnwidth
14889 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14890 \bidi@LTRrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}
14891 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
14892 \@namedef{@mptencol@footgroup#1}{%
14893 \def\baselinestretch{\m@m@footnote@spacing}%
14894 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14895 \m@m@rigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}
14896 \newcommand{\bidi@make@mptencol@LTRfootgroup}[1]{%
14897 \@namedef{@mptencol@LTRfootgroup#1}{%
14898 \def\baselinestretch{\m@m@footnote@spacing}%
14899 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
14900 \bidi@LTRrigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}
14901 \bidi@ensure@newcommand{\m@m@munvxh}[1]{%
14902 \setbox0=\vbox{\unvbox#1}
14903 \global\setbox1=\lastbox}%
14904 \unhbox1
14905 \unskip
14906 \unskip
14907 \unpenalty
14908 \hskip\m@mipn@skip}
14909 \bidi@ensure@newcommand{\m@m@mungebox}{%
14910 \setbox0=\hbox{\m@m@munvxh0}%
14911 \dp0=\z@
14912 \ht0=\footfudgefactor\wd0
14913 \box0
14914 \penalty0}
14915 \newskip\m@mipn@skip
14916 \bidi@ensure@newcommand*\m@m@interparanoteglu[e][1]{%
14917 {\foottextfont\global\m@mipn@skip=#1\relax}}
14918 \m@m@interparanoteglu[e]{1em plus.3em minus.3em}

```



```

14919 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
14920 \setbox0=\hbox{}}%
14921 \loop
14922 \unpenalty
14923 \setbox2=\lastbox
14924 \ifhbox2
14925 \setbox0=\hbox{\box2\unhbox0}
14926 \repeat}
14927 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
14928 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
14929 \newcommand*{\AddExtraParaSkip[1]}{%
14930 \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
14931 }
14932 \let\bidi@xparaskip\relax
14933 \@onlypreamble\AddExtraParaSkip
14934 \@onlypreamble\bidi@xparaskip
14935 \def\bidi@startparafootskip#1{%
14936 \global\advance\skip#1\bidi@paraskip
14937 }
14938 \@onlypreamble\bidi@startparafootskip
14939 \bidi@ensure@newcommand{\paragraphfootnotes}{%
14940 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
14941 \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14942 \@bidi@before@Hy@hyperfootnotes
14943 \let\@footnotetext\@parafootnotetext
14944 \let\@LTRfootnotetext\@paraLTRfootnotetext
14945 \let\@RTLfootnotetext\@paraRTLfootnotetext
14946 \dimen\footinsv@r=\footinsdim
14947 \count\footinsv@r=1000\relax
14948 \let\bidi@removefootskip\bidi@removexparafootskip
14949 \m@make@para@footgroup{v@r}%
14950 \m@make@para@footstart{v@r}%
14951 \let\@footgroupv@r\@para@footgroupv@r
14952 \let\@footstartv@r\@para@footstartv@r
14953 \dimen\footinsv@l=\footinsdim
14954 \count\footinsv@l=1000\relax
14955 \bidi@make@para@LTRfootgroup{v@l}%
14956 \m@make@para@footstart{v@l}%
14957 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
14958 \let\@footstartv@l\@para@footstartv@l
14959 \let\@mpfootnotetext\@mpparafootnotetext
14960 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
14961 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
14962 \@bidi@after@Hy@hyperfootnotes
14963 \m@make@mppara@footgroup{v@r}%
14964 \bidi@make@mppara@LTRfootgroup{v@l}%
14965 \let\mp@footgroupv@r\@mppara@footgroupv@r
14966 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
14967 \g@addto@macro\bidi@floadhook{%
14968 \begingroup
14969 \foottextfont \@tempdima\normalbaselineskip
14970 \multiply \@tempdima \@cclvi
14971 \@tempdimb \columnwidth
14972 \divide \@tempdimb \@cclvi

```



```

14973     \divide \@tempdima \@tempdimb
14974     \xdef\footfudgefactor{\strip@pt\@tempdima}%
14975   \endgroup
14976 }
14977 \AtBeginDocument{%
14978   \begingroup
14979     \foottextfont
14980     \@tempdima\footnotesep
14981     \advance\@tempdima -\ht\strutbox
14982     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
14983     \advance\@tempdima.5\normalbaselineskip
14984     \bidi@xparaskip
14985     \xdef\bidi@paraskip{\the\@tempdima\relax}%
14986   \endgroup
14987   \bidi@startparafootskip\footinsv@r
14988   \bidi@startparafootskip\footinsv@l
14989 }
14990 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
14991 }
14992 \newcommand{\ParagraphFootnotes}{%
14993   \@namedef{foottextfontv@r}{\foottextfont}%
14994   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
14995   \@bidi@before@Hy@hyperfootnotes
14996   \let\@footnotetext\@Parafootnotetext
14997   \let\@LTRfootnotetext\@ParaLTRfootnotetext
14998   \let\@RTLfootnotetext\@ParaRTLfootnotetext
14999   \dimen\footinsv@r=\footinsdim
15000   \count\footinsv@r=1000\relax
15001   \let\bidi@removexfootskip\bidi@removexparafootskip
15002   \m@make@para@footgroup{v@r}%
15003   \m@make@para@footstart{v@r}%
15004   \let\@footgroupv@r\@para@footgroupv@r
15005   \let\@footstartv@r\@para@footstartv@r
15006   \dimen\footinsv@l=\footinsdim
15007   \count\footinsv@l=1000\relax
15008   \bidi@make@para@LTRfootgroup{v@l}%
15009   \m@make@para@footstart{v@l}%
15010   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
15011   \let\@footstartv@l\@para@footstartv@l
15012   \let\@mpfootnotetext\@mpParafootnotetext
15013   \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
15014   \let\@mpRTLfootnotetext\@mpParaRTLfootnotetext
15015   \@bidi@after@Hy@hyperfootnotes
15016   \m@make@mppara@footgroup{v@r}%
15017   \bidi@make@mppara@LTRfootgroup{v@l}%
15018   \let\mp@footgroupv@r\@mppara@footgroupv@r
15019   \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
15020   \g@addto@macro\bidi@floathook{%
15021     \begingroup
15022       \foottextfont \@tempdima\normalbaselineskip
15023       \multiply \@tempdima \@cclvi
15024       \@tempdimb \columnwidth
15025       \divide \@tempdimb \@cclvi
15026       \divide \@tempdima \@tempdimb

```




```

15027     \xdef\footfudgefactor{\strip@pt\@tempdima}%
15028     \endgroup
15029   }
15030 \AtBeginDocument{%
15031   \begingroup
15032     \foottextfont
15033     \@tempdima\footnotesep
15034     \advance\@tempdima -\ht\strutbox
15035     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
15036     \advance\@tempdima.5\normalbaselineskip
15037     \bidi@xparaskip
15038     \xdef\bidi@paraskip{\the\@tempdima\relax}%
15039   \endgroup
15040   \bidi@startparafootskip\footinsv@r
15041   \bidi@startparafootskip\footinsv@l
15042 }
15043 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
15044 }
15045 \newcommand{\normalRTLparaLTRfootnotes}{%
15046   \@namedef{foottextfontv@l}{\LTRfoottextfont}%
15047   \@bidi@before@Hy@hyperfootnotes
15048   \if@RTL@footnote
15049     \let\@footnotetext\m@mold@footnotetext
15050   \else
15051     \let\@footnotetext\@parafootnotetext
15052   \fi
15053   \let\@LTRfootnotetext\@paraLTRfootnotetext
15054   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
15055   \dimen\footinsv@l=\footinsdim
15056   \count\footinsv@l=1000\relax
15057   \let\bidi@removexfootskip\bidi@removexparafootskip
15058   \bidi@make@para@LTRfootgroup{v@l}%
15059   \m@make@para@footstart{v@l}%
15060   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
15061   \let\@footstartv@l\@para@footstartv@l
15062   \if@RTL@footnote
15063     \let\@mpfootnotetext\m@mold@mpfootnotetext
15064   \else
15065     \let\@mpfootnotetext\@mpparafootnotetext
15066   \fi
15067   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
15068   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
15069   \@bidi@after@Hy@hyperfootnotes
15070   \bidi@make@mppara@LTRfootgroup{v@l}%
15071   \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
15072   \g@addto@macro\bidi@floathook{%
15073     \begingroup
15074       \LTRfoottextfont \@tempdima\normalbaselineskip
15075       \multiply \@tempdima \@cclvi
15076       \@tempdimb \columnwidth
15077       \divide \@tempdimb \@cclvi
15078       \divide \@tempdima \@tempdimb
15079     \xdef\footfudgefactor{\strip@pt\@tempdima}%
15080   \endgroup

```



```

15081 }
15082 \AtBeginDocument{%
15083   \begingroup
15084     \LTRfoottextfont
15085     \@tempdima\footnotesep
15086     \advance\@tempdima -\ht\strutbox
15087     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
15088     \advance\@tempdima.5\normalbaselineskip
15089     \bidi@xparaskip
15090     \xdef\bidi@paraskip{\the\@tempdima\relax}%
15091   \endgroup
15092   \bidi@startparafootskip\footinsv@1
15093 }
15094 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
15095 }
15096 \newcommand{\NormalRTLParaLTRFootnotes}{%
15097   \@namedef{foottextfontv@1}{\LTRfoottextfont}%
15098   \@bidi@before@Hy@hyperfootnotes
15099   \if@RTL@footnote
15100     \let\@footnotetext\bidi@bidiold@footnotetext
15101   \else
15102     \let\@footnotetext\@Parafootnotetext
15103   \fi
15104   \let\@LTRfootnotetext\@ParaLTRfootnotetext
15105   \let\@RTLfootnotetext\bidi@bidiold@RTLfootnotetext
15106   \dimen\footinsv@1=\footinsdim
15107   \count\footinsv@1=1000\relax
15108   \let\bidi@removexfootskip\bidi@removexparafootskip
15109   \bidi@make@para@LTRfootgroup{v@1}%
15110   \m@make@para@footstart{v@1}%
15111   \let\@LTRfootgroupv@1\@para@LTRfootgroupv@1
15112   \let\@footstartv@1\@para@footstartv@1
15113   \if@RTL@footnote
15114     \let\@mpfootnotetext\bidi@bidiold@mpfootnotetext
15115   \else
15116     \let\@mpfootnotetext\@mpParafootnotetext
15117   \fi
15118   \let\@mpLTRfootnotetext\@mpParaLTRfootnotetext
15119   \let\@mpRTLfootnotetext\bidi@bidiold@mpRTLfootnotetext
15120   \@bidi@after@Hy@hyperfootnotes
15121   \bidi@make@mppara@LTRfootgroup{v@1}%
15122   \let\mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1
15123   \g@addto@macro\bidi@floathook{%
15124     \begingroup
15125       \LTRfoottextfont \@tempdima\normalbaselineskip
15126       \multiply \@tempdima \@cclvi
15127       \@tempdimb \columnwidth
15128       \divide \@tempdimb \@cclvi
15129       \divide \@tempdima \@tempdimb
15130       \xdef\footfudgefactor{\strip@pt\@tempdima}%
15131     \endgroup
15132   }
15133 \AtBeginDocument{%
15134   \begingroup

```



```

15135     \LTRfoottextfont
15136     \@tempdima\footnotesep
15137     \advance\@tempdima -\ht\strutbox
15138     \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
15139     \advance\@tempdima.5\normalbaselineskip
15140     \bidi@xparaskip
15141     \xdef\bidi@paraskip{\the\@tempdima\relax}%
15142     \endgroup
15143     \bidi@startparafootskip\footinsv@l
15144 }
15145     \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
15146 }
15147 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
15148   \if@RTL@footnote
15149     \footinsv@r
15150   \else
15151     \footinsv@l
15152   \fi
15153   {%
15154   \let\bidi@RTL@everypar\@empty%
15155   \def\baselinestretch{\m@mm@footnote@spacing}%
15156   \reset@font\foottextfont
15157   \@preamfntext
15158   \protected@edef\@currentlabel{%
15159     \csname p@footnote\endcsname\@thefnmark}%
15160   \setbox0=\vbox{\hsize=\maxdimen
15161     \color@begingroup
15162       \noindent \@parafootfmt{#1}%
15163     \color@endgroup}%
15164   \m@mmungebox}\m@mmmf@prepare}
15165 \newcommand{\@Parafootnotetext}[1]{%
15166   \bidi@step@absolutefootnote@count
15167   \if@RTL@footnote
15168     \bidi@reinsertfootnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15169   \else
15170     \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
15171   \fi
15172   \global\setbox
15173   \if@RTL@footnote
15174     \footinsv@r
15175   \else
15176     \footinsv@l
15177   \fi
15178   \vbox{%
15179   \unvbox
15180   \if@RTL@footnote
15181     \footinsv@r
15182   \else
15183     \footinsv@l
15184   \fi
15185   \let\bidi@RTL@everypar\@empty%
15186   \def\baselinestretch{\m@mm@footnote@spacing}%
15187   \reset@font\foottextfont
15188   \@preamfntext

```



```

15189 \protected@edef\@currentlabel{%
15190   \csname p@footnote\endcsname\@thefnmark}%
15191 \setbox0=\vbox{\hsize=\maxdimen
15192   \color@begingroup
15193   \noindent \@parafootfmt{#1}%
15194   \color@endgroup}%
15195 \m@mungebox}\m@mmf@prepare
15196 \if@RTL@footnote
15197   \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
15198 \else
15199   \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15200 \fi
15201 }
15202 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
15203 \let\bidi@RTL@everypar\@empty%
15204 \def\baselinestretch{\m@m@footnote@spacing}%
15205 \reset@font\LTRfoottextfont
15206 \@preamfntext
15207 \protected@edef\@currentlabel{%
15208   \csname p@footnote\endcsname\@thefnmark}%
15209 \setbox0=\vbox{\hsize=\maxdimen
15210   \color@begingroup
15211   \noindent \@paraLTRfootfmt{#1}%
15212   \color@endgroup}%
15213 \m@mungebox}\m@mmf@prepare}
15214 \newcommand{\@ParaLTRfootnotetext}[1]{%
15215 \bidi@step@absolute@footnote@count
15216 \bidi@reinsertfootnote\footinsv@r\@footstartv@r\@footgroupv@r
15217 \global\setbox\footinsv@l\vbox{%
15218 \unvbox\footinsv@l
15219 \let\bidi@RTL@everypar\@empty%
15220 \def\baselinestretch{\m@m@footnote@spacing}%
15221 \reset@font\LTRfoottextfont
15222 \@preamfntext
15223 \protected@edef\@currentlabel{%
15224   \csname p@footnote\endcsname\@thefnmark}%
15225 \setbox0=\vbox{\hsize=\maxdimen
15226   \color@begingroup
15227   \noindent \@paraLTRfootfmt{#1}%
15228   \color@endgroup}%
15229 \m@mungebox}\m@mmf@prepare
15230 \bidi@reinsertfinalfootnoteperpage\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15231 }
15232 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
15233 \let\bidi@RTL@everypar\@empty%
15234 \def\baselinestretch{\m@m@footnote@spacing}%
15235 \reset@font\RTLfoottextfont
15236 \@preamfntext
15237 \protected@edef\@currentlabel{%
15238   \csname p@footnote\endcsname\@thefnmark}%
15239 \setbox0=\vbox{\hsize=\maxdimen
15240   \color@begingroup
15241   \noindent \@paraRTLfootfmt{#1}%
15242   \color@endgroup}%

```



```

15243 \m@ungebox}\m@mmf@prepare}
15244 \newcommand{\@ParaRTLfootnotetext}[1]{%
15245 \bidi@step@absolute@footnote@count
15246 \bidi@reinsert@footnote\footinsv@l\@footstartv@l\@LTRfootgroupv@l
15247 \global\setbox\footinsv@r\vbox{%
15248 \unvbox\footinsv@r
15249 \let\bidi@RTL@everypar\@empty%
15250 \def\baselinestretch{\m@m@footnote@spacing}%
15251 \reset@font\RTLfoottextfont
15252 \@preamfntext
15253 \protected@edef\@currentlabel{%
15254 \csname p@footnote\endcsname\@thefnmark}%
15255 \setbox0=\vbox{\hsize=\maxdimen
15256 \color@begingroup
15257 \noindent \@paraRTLfootfmt{#1}%
15258 \color@endgroup}%
15259 \m@ungebox}\m@mmf@prepare
15260 \bidi@reinsertfinalfootnoteperpage\footinsv@r\@footstartv@r\@footgroupv@r
15261 }
15262 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
15263 \parindent=\z@
15264 \parfillskip=0pt \@plus 1fil
15265 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
15266 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
15267 \parindent=\z@
15268 \parfillskip=0pt \@plus 1fil
15269 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
15270 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
15271 \parindent=\z@
15272 \parfillskip=0pt \@plus 1fil
15273 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
15274 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
15275 \global\setbox
15276 \if@RTL@footnote
15277 \@mpfootinsv@r
15278 \else
15279 \@mpfootinsv@l
15280 \fi
15281 \vbox{%
15282 \unvbox
15283 \if@RTL@footnote
15284 \@mpfootinsv@r
15285 \else
15286 \@mpfootinsv@l
15287 \fi
15288 \let\bidi@RTL@everypar\@empty
15289 \def\baselinestretch{\m@m@footnote@spacing}%
15290 \reset@font\foottextfont
15291 \hsize\columnwidth \@parboxrestore
15292 \protected@edef\@currentlabel{%
15293 \csname p@mpfootnote\endcsname\@thefnmark}%
15294 \setbox0=\vbox{\hsize=\maxdimen
15295 \color@begingroup
15296 \noindent \@parafootfmt{#1}%

```



```

15297     \color@endgroup}%
15298 \m@mungebox}\m@mmf@prepare}
15299 \newcommand{\@mpParafootnotetext}[1]{%
15300 \if@RTL@footnote
15301   \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
15302 \else
15303   \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15304 \fi
15305 \global\setbox
15306 \if@RTL@footnote
15307   \@mpfootinsv@r
15308 \else
15309   \@mpfootinsv@l
15310 \fi
15311 \vbox{%
15312   \unvbox
15313   \if@RTL@footnote
15314     \@mpfootinsv@r
15315   \else
15316     \@mpfootinsv@l
15317   \fi
15318   \let\bidi@RTL@everypar\@empty
15319   \def\baselinestretch{\m@m@footnote@spacing}%
15320   \reset@font\foottextfont
15321   \hsize\columnwidth \@parboxrestore
15322   \protected@edef\@currentlabel{%
15323     \csname p@mpfootnote\endcsname\@thefnmark}%
15324   \setbox0=\vbox{\hsize=\maxdimen
15325     \color@begingroup
15326     \noindent \@parafootfmt{#1}%
15327     \color@endgroup}%
15328 \m@mungebox}\m@mmf@prepare}
15329 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
15330 \global\setbox\@mpfootinsv@l\vbox{%
15331   \unvbox\@mpfootinsv@l
15332   \let\bidi@RTL@everypar\@empty
15333   \def\baselinestretch{\m@m@footnote@spacing}%
15334   \reset@font\LTRfoottextfont
15335   \hsize\columnwidth \@parboxrestore
15336   \protected@edef\@currentlabel{%
15337     \csname p@mpfootnote\endcsname\@thefnmark}%
15338   \setbox0=\vbox{\hsize=\maxdimen
15339     \color@begingroup
15340     \noindent \@paraLTRfootfmt{#1}%
15341     \color@endgroup}%
15342 \m@mungebox}\m@mmf@prepare}
15343 \newcommand{\@mpParaLTRfootnotetext}[1]{%
15344 \bidi@joinmpfootnotes\@mpfootinsv@r\@footstartv@r\mp@footgroupv@r
15345 \global\setbox\@mpfootinsv@l\vbox{%
15346 \unvbox\@mpfootinsv@l
15347 \let\bidi@RTL@everypar\@empty
15348 \def\baselinestretch{\m@m@footnote@spacing}%
15349 \reset@font\LTRfoottextfont
15350 \hsize\columnwidth \@parboxrestore

```



```

15351 \protected@edef\@currentlabel{%
15352 \csname p@mpfootnote\endcsname\@thefnmark}%
15353 \setbox0=\vbox{\hsize=\maxdimen
15354 \color@begingroup
15355 \noindent \@paraLTRfootfmt{#1}%
15356 \color@endgroup}%
15357 \m@mungebox}\m@mmf@prepare}
15358 \bidi@ensure@newcommand{\mpparaRTLfootnotetext}[1]{%
15359 \global\setbox\@mpfootinsv@r\vbox{%
15360 \unvbox\@mpfootinsv@r
15361 \let\bidi@RTL@everypar\@empty
15362 \def\baselinestretch{\m@m@footnote@spacing}%
15363 \reset@font\RTLfoottextfont
15364 \hsize\columnwidth \@parboxrestore
15365 \protected@edef\@currentlabel{%
15366 \csname p@mpfootnote\endcsname\@thefnmark}%
15367 \setbox0=\vbox{\hsize=\maxdimen
15368 \color@begingroup
15369 \noindent \@paraRTLfootfmt{#1}%
15370 \color@endgroup}%
15371 \m@mungebox}\m@mmf@prepare}
15372 \newcommand{\@mpParaRTLfootnotetext}[1]{%
15373 \bidi@joinmpfootnotes\@mpfootinsv@l\@footstartv@l\mp@LTRfootgroupv@l
15374 \global\setbox\@mpfootinsv@r\vbox{%
15375 \unvbox\@mpfootinsv@r
15376 \let\bidi@RTL@everypar\@empty
15377 \def\baselinestretch{\m@m@footnote@spacing}%
15378 \reset@font\RTLfoottextfont
15379 \hsize\columnwidth \@parboxrestore
15380 \protected@edef\@currentlabel{%
15381 \csname p@mpfootnote\endcsname\@thefnmark}%
15382 \setbox0=\vbox{\hsize=\maxdimen
15383 \color@begingroup
15384 \noindent \@paraRTLfootfmt{#1}%
15385 \color@endgroup}%
15386 \m@mungebox}\m@mmf@prepare}
15387 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
15388 \@namedef{@para@footgroup#1}{%
15389 \unvbox\@nameuse{footins#1}
15390 \@RTLtrue
15391 \m@mmakehboxofhboxes
15392 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15393 \hsize\bidi@columnwidth
15394 \@parboxrestore
15395 \def\baselinestretch{\m@m@footnote@spacing}%
15396 \@nameuse{foottextfont#1}%
15397 \noindent\unhbox0\par}}
15398 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
15399 \@namedef{@para@LTRfootgroup#1}{%
15400 \unvbox\@nameuse{footins#1}
15401 \@RTLfalse
15402 \m@mmakehboxofhboxes
15403 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
15404 \hsize\bidi@columnwidth

```



```

15405 \@parboxrestore
15406 \def\baselinestretch{\m@footnote@spacing}%
15407 \@nameuse{foottextfont#1}%
15408 \noindent\unhbox0\par}}
15409 \newcommand{\bidi@removexparafootskip}{%
15410 \advance\@tempskipa -\bidi@paraskip
15411 \edef\bidi@footskip{\vskip\the\@tempskipa\relax}%
15412 }
15413 \let\bidi@removexfootskip\relax
15414 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
15415 \@namedef{@mppara@footgroup#1}{%
15416 \unvbox\@nameuse{@mpfootins#1}
15417 \@RTLtrue
15418 \m@mmakehboxofhboxes
15419 \setbox0=\hbox{\unhbox0 \m@removehboxes}%
15420 \def\baselinestretch{\m@footnote@spacing}%
15421 \@nameuse{foottextfont#1}%
15422 \noindent\unhbox0\par}}
15423 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
15424 \@namedef{@mppara@LTRfootgroup#1}{%
15425 \unvbox\@nameuse{@mpfootins#1}
15426 \@RTLfalse
15427 \m@mmakehboxofhboxes
15428 \setbox0=\hbox{\unhbox0 \m@removehboxes}%
15429 \def\baselinestretch{\m@footnote@spacing}%
15430 \@nameuse{foottextfont#1}%
15431 \noindent\unhbox0\par}}
15432 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
15433 \@namedef{@para@footstart#1}{%
15434 \leftskip=\z@
15435 \rightskip=\z@
15436 \parindent=\z@
15437 }%
15438 }
15439 \bidi@ensure@newcommand*\m@m@makecolfloats}{%
15440 \xdef\@freelist{\@freelist\@midlist}%
15441 \global\let\@midlist\@empty
15442 \@combinefloats}
15443 \bidi@ensure@newcommand*\m@m@makecoltext}{%
15444 \ifvbox\@kludgeins
15445 \@makespecialcolbox
15446 \else
15447 \setbox\@outputbox \vbox to\@colht{%
15448 \@texttop
15449 \dimen@ \dp\@outputbox
15450 \unvbox \@outputbox
15451 \vskip -\dimen@
15452 \@textbottom}%
15453 \fi}
15454 \bidi@ensure@newcommand*\m@m@makecolintro}{%
15455 \bidi@ensure@newcommand*\m@mopfootnote}{\setbox\@outputbox \vbox{%
15456 \boxmaxdepth\@maxdepth
15457 \@tempdima\dp\@cc1v
15458 \unvbox\@cc1v

```




```

15459 \vskip-\@tempdima
15460 \bidi@mopfn@bottom
15461 \vskip \skip\footins
15462 \color@begingroup
15463 \normalcolor
15464 \footnoterule
15465 \unvbox \footins
15466 \color@endgroup
15467 }%
15468 }
15469 \newcommand*{\bidi@mopfootnotebf}{%
15470 \setbox\@outputbox \vbox{%
15471 \boxmaxdepth\@maxdepth
15472 \unvbox\@outputbox
15473 \bidi@mopfn@bottom
15474 \vskip\skip\footins
15475 \color@begingroup
15476 \normalcolor
15477 \footnoterule
15478 \unvbox \footins
15479 \color@endgroup
15480 }%
15481 }
15482 \gdef\mem@makecol{%
15483 \m@m@makecolintro
15484 \m@m@doextrafeet
15485 \ifvoid\footins
15486 \setbox\@outputbox \box\@cclv
15487 \else
15488 \m@mopfootnote
15489 \fi
15490 \m@m@makecolfloats
15491 \m@m@makecoltext
15492 \global \maxdepth \@maxdepth}
15493 \gdef\bidi@makecolbf{%
15494 \m@m@makecolintro
15495 \m@m@doextrafeet
15496 \setbox\@outputbox \box\@cclv
15497 \m@m@makecolfloats
15498 \ifvoid\footins
15499 \else
15500 \bidi@mopfootnotebf
15501 \fi
15502 \m@m@makecoltext
15503 \global \maxdepth \@maxdepth}
15504 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
15505 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
15506 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
15507 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
15508 \FeetAboveFloat
15509 \FeetBelowRagged
15510 \def\bidi@reinserts#1{\ifvoid#1\else
15511 \ifnum\count\@currbox>\z@
15512 \advance\@pageht \ht#1%

```



```

15513     \advance\@pageht \skip#1%
15514     \advance\@pageht \dp#1%
15515     \fi
15516     \insert#1{\unvbox#1}%
15517 \fi
15518 }
15519 \def\bid@init@multi@footins#1{%
15520     \multiply\count#1\col@number
15521     \multiply\skip#1\col@number
15522 }
15523 \def\bid@reinsert@footnotes#1{\ifvoid#1\else
15524     \insert#1{\fi}
15525 \AtBeginDocument{%
15526     \bid@preto\@doclearpage\m@mdoextrafeet
15527     \g@addto@macro\@reinserts{%
15528     \bid@reinserts\footinsv@r
15529     \bid@reinserts\footinsv@l
15530     }
15531     \bid@floathook
15532     \g@addto@macro\@floatplacement{%
15533     \bid@ifmulticol}{\bid@floathook}%
15534     }%
15535     \if@bid@csundef{multi@column@out}{%
15536     \onlypreamble\bid@init@multi@footins
15537     \let\bid@ifmulticol\@secondoftwo
15538     }-%
15539     \bid@preto\multi@column@out\m@mdoextrafeet
15540     \g@addto@macro\init@mult@footins{%
15541     \bid@init@multi@footins\footinsv@r
15542     \bid@init@multi@footins\footinsv@l
15543     }%
15544     \g@addto@macro\reinsert@footnotes{%
15545     \bid@reinsert@footnotes\footinsv@r
15546     \bid@reinsert@footnotes\footinsv@l
15547     }%
15548     }%
15549 }

```

87 File extreport-xetex-bidi.def

```

15550 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
15551 \renewcommand*\l@part[2]{%
15552     \ifnum \c@tocdepth >-2\relax
15553     \addpenalty{-\@highpenalty}%
15554     \addvspace{2.25em \@plus\p@}%
15555     \begingroup
15556     \setlength\@tempdima{3em}%
15557     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15558     \parfillskip -\@pnumwidth
15559     {\leavevmode
15560     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15561     \nobreak
15562     \global\@nobreaktrue
15563     \everypar{\global\@nobreakfalse\everypar{}}%

```



```

15564 \endgroup
15565 \fi}
15566 \renewcommand*\l@chapter[2]{%
15567 \ifnum \c@tocdepth >\m@ne
15568 \addpenalty{-\@highpenalty}%
15569 \vskip 1.0em \@plus\p@
15570 \setlength\@tempdima{1.5em}%
15571 \begingroup
15572 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15573 \parfillskip -\@pnumwidth
15574 \leavevmode \bfseries
15575 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15576 \hskip -\if@RTL\rightskip\else\leftskip\fi
15577 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15578 \penalty\@highpenalty
15579 \endgroup
15580 \fi}
15581 \def\@makechapterhead#1{%
15582 \vspace*{50\p@}%
15583 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
15584 \ifnum \c@secnumdepth >\m@ne
15585 \huge\bfseries \@chapapp\space \thechapter
15586 \par\nobreak
15587 \vskip 20\p@
15588 \fi
15589 \interlinepenalty\@M
15590 \Huge \bfseries #1\par\nobreak
15591 \vskip 40\p@
15592 }}
15593 \def\@makeschapterhead#1{%
15594 \vspace*{50\p@}%
15595 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
15596 \normalfont
15597 \interlinepenalty\@M
15598 \Huge \bfseries #1\par\nobreak
15599 \vskip 40\p@
15600 }}
15601 \renewcommand\left@footnoterule{%
15602 \kern-3\p@
15603 \hrule\@width.4\columnwidth
15604 \kern2.6\p@}
15605 \renewcommand\right@footnoterule{%
15606 \kern-3\p@
15607 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15608 \kern2.6\p@}
15609 \renewenvironment{thebibliography}[1]
15610 {\chapter*{\bibname
15611 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
15612 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15613 \bidi@thebibliography@font@hook%
15614 \list{\@biblabel{\@arabic\c@enumiv}}%
15615 {\settowidth\labelwidth{\@biblabel{#1}}%
15616 \leftmargin\labelwidth
15617 \advance\leftmargin\labelsep

```



```

15618         \@openbib@code
15619         \usecounter{enumiv}%
15620         \let\p@enumiv\@empty
15621         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
15622     \sloppy\clubpenalty4000\widowpenalty4000%
15623     \sfcode`\.\@m}
15624     {\def\@noitemerr
15625     {\@latex@warning{Empty `thebibliography' environment}}}%
15626     \endlist}
15627 \if@titlepage
15628 \renewcommand\maketitle{\begin{titlepage}%
15629 \let\footnotesize\small
15630 \let\right@footnoterule\relax
15631 \let\left@footnoterule\relax
15632 \let\textwidth\footnoterule\relax
15633 \let \footnote \thanks
15634 \null\vfil
15635 \vskip 60\p@
15636 \begin{center}%
15637   {\LARGE \@title \par}%
15638   \vskip 3em%
15639   {\large
15640     \lineskip .75em%
15641     \begin{tabular}[t]{c}%
15642       \@author
15643     \end{tabular}\par}%
15644     \vskip 1.5em%
15645     {\large \@date \par}%           % Set date in \large size.
15646 \end{center}\par
15647 \@thanks
15648 \vfil\null
15649 \end{titlepage}%
15650 \setcounter{footnote}{0}%
15651 \global\let\thanks\relax
15652 \global\let\maketitle\relax
15653 \global\let\@thanks\@empty
15654 \global\let\@author\@empty
15655 \global\let\@date\@empty
15656 \global\let\@title\@empty
15657 \global\let\title\relax
15658 \global\let\author\relax
15659 \global\let\date\relax
15660 \global\let\and\relax
15661 }
15662 \else
15663 \renewcommand\maketitle{\par
15664 \begingroup
15665   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15666   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15667   \long\def\@makefntext##1{\parindent 1em\noindent
15668     \hb@xt@1.8em{%
15669       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
15670   \if@twocolumn
15671     \ifnum \col@number=\@ne

```



```

15672     \@maketitle
15673     \else
15674     \twocolumn[\@maketitle]%
15675     \fi
15676     \else
15677     \newpage
15678     \global\@topnum\z@ % Prevents figures from going at top of page.
15679     \@maketitle
15680     \fi
15681     \thispagestyle{plain}\@thanks
15682 \endgroup
15683 \setcounter{footnote}{0}%
15684 \global\let\thanks\relax
15685 \global\let\maketitle\relax
15686 \global\let\@maketitle\relax
15687 \global\let\@thanks\@empty
15688 \global\let\@author\@empty
15689 \global\let\@date\@empty
15690 \global\let\@title\@empty
15691 \global\let\title\relax
15692 \global\let\author\relax
15693 \global\let\date\relax
15694 \global\let\and\relax
15695 }
15696 \def\@maketitle{%
15697 \newpage
15698 \null
15699 \vskip 2em%
15700 \begin{center}%
15701 \let \footnote \thanks
15702 {\LARGE \@title \par}%
15703 \vskip 1.5em%
15704 {\large
15705 \lineskip .5em%
15706 \begin{tabular}[t]{c}%
15707 \@author
15708 \end{tabular}\par}%
15709 \vskip 1em%
15710 {\large \@date}%
15711 \end{center}%
15712 \par
15713 \vskip 1.5em}
15714 \fi
15715 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
15716 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
15717 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\csubsubsection}
15718 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\cparagraph}
15719 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
15720 \renewcommand\theequation{%
15721 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15722 \renewcommand\thefigure{%
15723 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
15724 \renewcommand\thetable{%
15725 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```



88 File fancybox-xetex-bidi.def

```
15726 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
15727 \def\fancy@oval#1#2#3{%
15728   \boxmaxdepth \maxdimen
15729   \@ovttrue \ovbtrue \ovltrue \ovrtrue
15730   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
15731   \@ovxx#1\relax
15732   \advance\@ovxx-\@wholewidth
15733   \@ovyy#2\relax
15734   \advance\@ovyy-\@wholewidth
15735   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \else \@ovyy \fi
15736   \advance\@tempdimb-2\p@
15737   \ifdim\@tempdimb>\the@cornersize\relax
15738     \@tempdimb=\the@cornersize
15739   \fi
15740   \@getcirc\@tempdimb
15741   \@ovro\ht\@tempboxa \ovri\dp\@tempboxa
15742   \ovdx\@ovxx \advance\ovdx-\@tempdima \divide\ovdx \tw@
15743   \ovdy\@ovyy \advance\ovdy-\@tempdima \divide\ovdy \tw@
15744   \@circlefnt
15745   \setbox\@tempboxa\hbox{\beginL%
15746     \if@ovr \ovvert32\kern -\@tempdima \fi
15747     \if@ovl \kern \@ovxx \ovvert01\kern -\@tempdima \kern -\@ovxx \fi
15748     \if@ovt \ovhorz \kern -\@ovxx \fi
15749     \if@ovb \raise \@ovyy \ovhorz \fi\endL}%
15750   \advance\ovdx\@ovro
15751   \advance\ovdy\@ovro
15752   \advance\@ovxx\@wholewidth
15753   \wd\@tempboxa=\@ovxx
15754   \dp\@tempboxa=\z@}
```

89 File fancyhdr-xetex-bidi.def

```
15755 \ProvidesFile{fancyhdr-xetex-bidi.def}[2024/12/07 v0.8 bidi adaptations for fancyhdr package]
15756
15757 \let\f@nch@everypar\everypar
15758
15759 \bidi@patchcmd\f@nch@head\raggedright\bidi@raggedright
15760 {}{\bidi@warningnoline{Oops! patching `string\f@nch@head' failed}}
15761 \bidi@patchcmd\f@nch@head\raggedleft\bidi@raggedleft
15762 {}{\bidi@warningnoline{Oops! patching `string\f@nch@head' failed}}
15763
15764 \bidi@patchcmd\f@nch@foot\raggedright\bidi@raggedright
15765 {}{\bidi@warningnoline{Oops! patching `string\f@nch@foot' failed}}
15766 \bidi@patchcmd\f@nch@foot\raggedleft\bidi@raggedleft
15767 {}{\bidi@warningnoline{Oops! patching `string\f@nch@foot' failed}}
15768
```

90 File fix2col-xetex-bidi.def

```
15769 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
15770 \def\RTL\outputdblcol{%
15771   \if@firstcolumn
```



```

15772 \global\@firstcolumnfalse
15773 \global\setbox\@leftcolumn\copy\@outputbox
15774 \splitmaxdepth\maxdimen
15775 \vbadness\maxdimen
15776 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15777 \toks@\expandafter{\topmark}%
15778 \xdef\@firstcoltopmark{\the\toks@}%
15779 \toks@\expandafter{\splitfirstmark}%
15780 \xdef\@firstcolfirstmark{\the\toks@}%
15781 \ifx\@firstcolfirstmark\@empty
15782 \global\let\@setmarks\relax
15783 \else
15784 \gdef\@setmarks{%
15785 \let\firstmark\@firstcolfirstmark
15786 \let\topmark\@firstcoltopmark}%
15787 \fi
15788 \else \global\@firstcolumntrue
15789 \setbox\@outputbox \vbox {\hbox to\textwidth {%
15790 \hskip \columnwidth
15791 \hfil \vrule width\columnseprule \hfil
15792 \hbox to\columnwidth {%
15793 \bidi@firstcolumn@status@write%
15794 \box\@leftcolumn \hss}%
15795 \hskip -\textwidth
15796 \hbox to\columnwidth{%
15797 \bidi@lastcolumn@status@write%
15798 \box\@outputbox \hss}%
15799 \hskip \columnsep
15800 \hskip \columnwidth }}%
15801 \@combinedblfloats \@setmarks \@outputpage
15802 \begingroup \@dblfloatplacement \@startdblcolumn
15803 \@whilesw\if@fcolmade \fi
15804 {\@outputpage \@startdblcolumn }\endgroup
15805 \fi}
15806 \def\LTR@outputdblcol{%
15807 \if@firstcolumn
15808 \global\@firstcolumnfalse
15809 \global\setbox\@leftcolumn\copy\@outputbox
15810 \splitmaxdepth\maxdimen
15811 \vbadness\maxdimen
15812 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15813 \toks@\expandafter{\topmark}%
15814 \xdef\@firstcoltopmark{\the\toks@}%
15815 \toks@\expandafter{\splitfirstmark}%
15816 \xdef\@firstcolfirstmark{\the\toks@}%
15817 \ifx\@firstcolfirstmark\@empty
15818 \global\let\@setmarks\relax
15819 \else
15820 \gdef\@setmarks{%
15821 \let\firstmark\@firstcolfirstmark
15822 \let\topmark\@firstcoltopmark}%
15823 \fi
15824 \else
15825 \global\@firstcolumntrue

```



```

15826 \setbox\@outputbox\vbox{%
15827 \hb@xt@\textwidth{%
15828 \hb@xt@\columnwidth{%
15829 \bidi@firstcolumn@status@write%
15830 \box\@leftcolumn \hss}%
15831 \hfil
15832 \vrule \@width\columnseprule
15833 \hfil
15834 \hb@xt@\columnwidth{%
15835 \bidi@lastcolumn@status@write%
15836 \box\@outputbox \hss}}}%
15837 \@combinedblfloats
15838 \@setmarks
15839 \@outputpage
15840 \begingroup
15841 \@dblfloatplacement
15842 \@startdblcolumn
15843 \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
15844 \endgroup
15845 \fi}

```

91 File fleqn-xetex-bidi.def

```

15846 \ProvidesFile{fleqn-xetex-bidi.def}[2024/12/07 v0.2 bidi adaptations for fleqn tag for XeTeX]
15847 \DeclareRobustCommand\{\relax
15848 \ifmode\@badmath
15849 \else
15850 \begin{trivlist}%
15851 \@beginparpenalty\predisplaypenalty
15852 \@endparpenalty\postdisplaypenalty
15853 \item[]\leavevmode
15854 \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
15855 \hskip\mathindent\bgroup
15856 \fi}
15857 \DeclareRobustCommand\{\relax
15858 \ifmode
15859 \egroup $\hfil% $
15860 \endL\egroup
15861 \end{trivlist}%
15862 \else \@badmath
15863 \fi}
15864 \renewenvironment{equation}%
15865 {\@beginparpenalty\predisplaypenalty
15866 \@endparpenalty\postdisplaypenalty
15867 \refstepcounter{equation}%
15868 \trivlist \item[]\leavevmode
15869 \hb@xt@\linewidth\bgroup\beginL $ \m@th% $
15870 \displaystyle
15871 \hskip\mathindent}%
15872 {$\hfil % $
15873 \displaywidth\linewidth\hbox{\@eqnnum}%
15874 \endL\egroup
15875 \endtrivlist}

```



92 File float-xetex-bidi.def

```
15876 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for X
15877 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
15878 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
15879 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
15880 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%
15881 \expandafter\edef\csname the#1\endcsname{%
15882 \expandafter\noexpand\csname
15883 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
15884 {\PackageWarning{float}{Can't redefine counter variable for #1.}}
```

93 File floatrow-xetex-bidi.def

```
15885 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
15886 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
15887 \expandafter\edef\csname the\FB@captype\endcsname{%
15888 \expandafter\noexpand\csname
15889 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}
```

94 File flowfram-xetex-bidi.def

```
15890 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package
15891 \def\@outputdblcol{%
15892 \@nxtcol=\c@thisframe
15893 \c@curpg=\c@page
15894 \@g@tnextcol{\@nxtcol}%
15895 \if@ff@nwp % next flow frame starts on new page
15896 \global\@firstcolumntrue
15897 \@setcolbox\c@thisframe
15898 \if@specialpage
15899 \global\@specialpagefalse
15900 \@nameuse{ps@\@specialstyle}\relax
15901 \fi
15902 \if@twoside
15903 \ifodd\count\z@
15904 \let\@thehead\@oddhead
15905 \let\@thefoot\@oddfoot
15906 \else
15907 \let\@thehead\@evenhead
15908 \let\@thefoot\@evenfoot
15909 \fi
15910 \else
15911 \let\@thehead\@oddhead
15912 \let\@thefoot\@oddfoot
15913 \fi
15914 \@beginarvi
15915 \@dynamicthehead\@dynamictfoot
15916 \vbadness=\@M
15917 \setbox\@outputbox\vbbox{\hbox to \textwidth{\@ff@do@allframes}}%
15918 \@combinedblfloats
15919 \@outputpage
15920 \advance\c@curpg by -\c@page\relax
15921 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
```



```

15922 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
15923 \@outputpage}
15924 \beginngroup
15925   \@dblfloatplacement
15926   \@startdblcolumn
15927   \@whilesw \if@fcolmade \fi
15928     {\@outputpage \@startdblcolumn }\endgroup
15929 \@resetst@tics
15930 \@resetdyn@tics
15931 \else % still on same page, save contents of box255
15932 \global\@firstcolumnfalse
15933 \@setcolbox\c@thisframe
15934 \fi
15935 \global\c@thisframe=\@nxtcol
15936 \@setcol{\c@thisframe}\relax
15937 \global\@colht\vsiz
15938 }
15939 \def\@outputpage{%
15940 \beginngroup
15941   \let\protect\noexpand
15942   \@resetactivechars
15943   \global\let\@if@newlist\if@newlist
15944   \global\@newlistfalse\@parboxrestore
15945   \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
15946   \bidi@beforeoutputpageshipouthook
15947   \shipout\vbox{\set@typeset@protect
15948     \aftergroup
15949     \endgroup
15950     \aftergroup
15951     \set@typeset@protect
15952     \reset@font\normalsize
15953     \bidi@font\@outputpage
15954     \normalsfcodes
15955     \let\label\@gobble
15956     \let\index\@gobble
15957     \let\glossary\@gobble
15958     \baselineskip\z@skip
15959     \lineskip\z@skip
15960     \lineskiplimit\z@
15961     \vskip\topmargin\moveright\@themargin
15962     \vbox{%
15963       \global\let\@bidi@BeforeHeader\@firstofone
15964       \bidi@beforeheaderhook
15965       \vskip\headheight
15966       \vskip\headsep
15967       \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
15968       \bidi@beforeoutputboxoutputpagehook
15969       \box\@outputbox
15970       \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
15971       \bidi@afteroutputboxoutputpagehook
15972     }}%
15973 \global\let\@bidi@AfterOutputPageShipOut\@firstofone
15974 \bidi@afteroutputpageshipouthook
15975 \global\let\if@newlist\@if@newlist

```



```

15976 \stepcounter{page}%
15977 \setcounter{displayedframe}{0}%
15978 \let\firstmark\botmark
15979 \global\let\bidid@AtEndOutputPage\@firstofone
15980 \bidid@atendoutputpagehook
15981 }
15982
15983
15984 \newcommand*\bidid@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}}{-%
15985 \expandafter\bidicolor\ff@txtcol}}
15986
15987 \newcommand{\bidid@ff@box}[3]{\@ffbackground{\vbox to#2
15988 {\hb@xt@ #1{\hss{\bidid@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
15989
15990
15991 \renewcommand*\@docolbox}[1]{%
15992 \edef\ff@frametype{%
15993 \csname @ff@frametype@\romannumeral#1\endcsname}%
15994 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
15995 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
15996 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
15997 \@ff@setoffset{#1}%
15998 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{-%
15999 \ifthenelse{\boolean{columnframe\romannumeral#1}}{-%
16000 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
16001 {\csname colheight\romannumeral#1\endcsname}{-%
16002 \expandafter\box\csname column\romannumeral#1\endcsname}{-%
16003 \csname\ff@frametype\endcsname}%
16004 }{-%
16005 \bidid@ff@box{\csname colwidth\romannumeral#1\endcsname}%
16006 {\csname colheight\romannumeral#1\endcsname}{-%
16007 \expandafter\box\csname column\romannumeral#1\endcsname}%
16008 }}}
16009 \@ifclassloaded{book}{-%
16010 \renewcommand\theequation
16011 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16012 \renewcommand \thefigure
16013 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16014 \renewcommand \thetable
16015 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16016 \renewcommand \thechapter {\@arabic\c@chapter}
16017 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16018 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16019 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
16020 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16021 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}}
16022 \@ifclassloaded{report}{-%
16023 \renewcommand\theequation
16024 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16025 \renewcommand \thefigure
16026 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16027 \renewcommand \thetable
16028 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16029 \renewcommand \thechapter {\@arabic\c@chapter}

```



```

16030 \renewcommand \thesection {\thechapter \@SepMark \@arabic \c@section}
16031 \renewcommand \thesubsection {\thesection \@SepMark \@arabic \c@subsection}
16032 \renewcommand \thesubsubsection {\thesubsection \@SepMark \@arabic \c@subsubsection}
16033 \renewcommand \theparagraph {\thesubsubsection \@SepMark \@arabic \c@paragraph}
16034 \renewcommand \thesubparagraph {\theparagraph \@SepMark \@arabic \c@subparagraph} {}
16035 \renewcommand \rotateframe [2] {\if@ttb@rotate
16036 \rotatebox {#1} {\if@RTL \beginL \fi #2 \if@RTL \endL \fi} %
16037 \else
16038 #2 \relax
16039 \fi}

```

95 File footnote-xetex-bidi.def

```

16040 \ProvidesFile{footnote-xetex-bidi.def}[2024/12/14 v1.3 bidi footnote macros for XeTeX engine
16041 \if@RTLmain@RTL@footnotetrue\else@RTL@footnotefalse\fi
16042 \newif\ifbidi@autofooterule
16043 \def\bidi@mpfootnoterule{\footnoterule}
16044 \newcounter{footdir@label}
16045 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
16046 \newcommand*{\footdir@write}{%
16047 \stepcounter{footdir@label}%
16048 \zref@labelbyprops{\thefootdir@label}{abspage}%
16049 }
16050 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
16051 \newtoks\footdir@toks
16052 \newcommand*{\footdir@debug}[1]{%
16053 \iffootdir@debug
16054 \typeout{[footdir] #1}%
16055 \fi
16056 }
16057 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
16058 % \newcommand*{\footdir@LeftRightElse}{%
16059 % \ltx@ifundefined{footdir@the\value{zabspage}}{%
16060 % \footdir@debug{abspage \the\value{zabspage}: else}%
16061 % \ltx@thirdofthree
16062 % }{%
16063 % \ifcsname footdir@the\value{zabspage}\endcsname L%
16064 % \footdir@debug{abspage \the\value{zabspage}: left}%
16065 % \expandafter\ltx@firstofthree
16066 % \else
16067 % \footdir@debug{abspage \the\value{zabspage}: right}%
16068 % \expandafter\ltx@secondofthree
16069 % \fi
16070 % }%
16071 % }%
16072 %}{%
16073 \providecommand*{\c@zabspage}{\c@abspage}%
16074 \newcommand*{\footdir@LeftRightElse}{%
16075 \footdir@write
16076 \zifrefundefined{\thefootdir@label}{%
16077 \footdir@debug{abspage ??: else}%
16078 \ltx@thirdofthree
16079 }{%
16080 \edef\footdir@abspage{%

```



```

16081     \zref@extractdefault{\thefootdir@label}{abspage}{0}%
16082   }%
16083   \ltx@ifundefined{footdir@\footdir@abspage}{%
16084     \footdir@debug{\footdir@abspage: else}%
16085     \ltx@thirdofthree
16086   }{%
16087     \if\csname footdir@\footdir@abspage\endcsname L%
16088     \footdir@debug{\footdir@abspage: left}%
16089     \expandafter\ltx@firstofthree
16090   \else
16091     \footdir@debug{\footdir@abspage: right}%
16092     \expandafter\ltx@secondofthree
16093   \fi
16094   }%
16095 }%
16096 }%
16097 %}
16098 \newcommand*{\footdir@fntext}[1]{%
16099   \zifrefundefined{\thefootdir@label}{%
16100   }{%
16101     \edef\footdir@name{%
16102       footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
16103     }%
16104     \@ifundefined{\footdir@name}{%
16105       \expandafter\gdef\csname\footdir@name\endcsname{#1}%
16106     }{}%
16107   }%
16108 }
16109
16110 \newcommand*{\footdir@temp}[3]{%
16111   \@ifdefinable{#1}{%
16112     \let#1#2%
16113     \renewcommand{#2}[1]{%
16114       \footdir@write
16115       \footdir@fntext{#3}%
16116       \stepcounter{footdir@label}%
16117       \footdir@fntext{#3}%
16118       \footdir@toks{##1}%
16119       \footdir@toks\expandafter{%
16120         \the\expandafter\footdir@toks
16121       \expandafter
16122         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
16123       }%
16124       \expandafter#1\expandafter{\the\footdir@toks}%
16125     }%
16126   }%
16127 }
16128
16129 \def\right@footnoterule{%
16130   \kern-3\p@
16131   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16132   \kern2.6\p@}
16133 \def\left@footnoterule{\kern-3\p@
16134   \hrule \@width .4\columnwidth \kern 2.6\p@}

```



```

16135 \def\textwidth@footnoterule{\kern-3\p@
16136 \hrule \@width \columnwidth \kern 2.6\p@}
16137 \def\leftfootnoterule{%
16138 \bidi@autofootnoterulefalse%
16139 \def\footnoterule{\left@footnoterule}}
16140 \let\LRfootnoterule=\leftfootnoterule
16141 \def\rightfootnoterule{%
16142 \bidi@autofootnoterulefalse%
16143 \def\footnoterule{\right@footnoterule}}
16144 \def\textwidthfootnoterule{%
16145 \bidi@autofootnoterulefalse%
16146 \def\footnoterule{\textwidth@footnoterule}}
16147
16148
16149
16150 \def\auto@footnoterule{%
16151 \footdir@LeftRightElse%
16152 \left@footnoterule%
16153 \right@footnoterule%
16154 \left@footnoterule%
16155 }
16156
16157
16158
16159 \def\autofootnoterule{%
16160 \bidi@autofootnoteruletrue%
16161 \def\footnoterule{\auto@footnoterule}%
16162 }
16163
16164 \newcommand*{\SplitFootnoteRule}{%
16165 \gdef\split@prev{0}
16166 \let\pagefootnoterule\footnoterule
16167 \let\mpfootnoterule\footnoterule
16168 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
16169 \def\footnoterule{\relax
16170 \ifx \@listdepth\@mplistdepth
16171 \mpfootnoterule
16172 \else
16173 \ifnum\split@prev=\z@
16174 \pagefootnoterule
16175 \else
16176 \splitfootnoterule
16177 \fi
16178 \xdef\split@prev{\the\insertpenalties}%
16179 \fi
16180 }%
16181 }
16182
16183
16184
16185
16186 \def\RTLfootnote{\@ifnextchar [\@xRTLfootnote{\stepcounter\@mpfn
16187 \protected@xdef\@thefnmark{\thempfn}}%
16188 \@footnotemark\@RTLfootnotetext}}

```



```

16189 \def\xRTLfootnote[#1]{%
16190   \begingroup
16191     \csname c@\mpfn\endcsname #1\relax
16192     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16193   \endgroup
16194   \@footnotemark\@RTLfootnotetext}
16195 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\mpfn
16196   \protected@xdef\@thefnmark{\thempfn}%
16197   \@footnotemark\@LTRfootnotetext}}
16198 \def\xLTRfootnote[#1]{%
16199   \begingroup
16200     \csname c@\mpfn\endcsname #1\relax
16201     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16202   \endgroup
16203   \@footnotemark\@LTRfootnotetext}
16204
16205
16206 \def\setfootnoteRL{\@RTL@footnotetrue}
16207 \def\unsetfootnoteRL{\@RTL@footnotefalse}
16208 \def\setfootnoteLR{\unsetfootnoteRL}
16209
16210 \newcommand*\bidi@footnotetext@font{\footnotesize}
16211 \newcommand*\bidi@LTRfootnotetext@font{\footnotesize}
16212 \newcommand*\bidi@RTLfootnotetext@font{\footnotesize}
16213
16214 \long\def\@footnotetext#1{\insert\footins{%
16215   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
16216   \reset@font%
16217   \bidi@footnotetext@font% \reset@font\footnotesize
16218   \interlinepenalty\interfootnotelinepenalty
16219   \splittopskip\footnotesep
16220   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16221   \hsize\columnwidth \@parboxrestore
16222   \protected@edef\@currentlabel{%
16223     \csname p@footnote\endcsname\@thefnmark
16224   }%
16225   \color@begingroup
16226     \@makefntext{%
16227       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16228   \color@endgroup}}%
16229
16230
16231 \long\def\@RTLfootnotetext#1{\insert\footins{%
16232   \@RTLtrue%
16233   \reset@font%
16234   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
16235   \interlinepenalty\interfootnotelinepenalty
16236   \splittopskip\footnotesep
16237   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
16238   \hsize\columnwidth \@parboxrestore
16239   \protected@edef\@currentlabel{%
16240     \csname p@footnote\endcsname\@thefnmark
16241   }%
16242   \color@begingroup

```



```

16243     \@makefnfntext{%
16244         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16245     \color@endgroup}}%
16246
16247 \long\def\@LTRfootnotetext#1{\insert\footins{%
16248     \RTLfalse%
16249     \reset@font%
16250     \bidi@@LTRfootnotetext@font% \reset@font\footnotesize
16251     \interlinepenalty\interfootnotelinepenalty
16252     \splittopskip\footnotesep
16253     \splitmaxdepth \dp\strutbox \floatingpenalty \MM
16254     \hsize\columnwidth \@parboxrestore
16255     \protected@edef\@currentlabel{%
16256         \csname p@footnote\endcsname\@thefnmark
16257     }%
16258     \color@begingroup
16259     \@makefnfntext{%
16260         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16261     \color@endgroup}}%
16262
16263 \AtBeginDocument{%
16264 \if@RTL@footnote
16265   \newcommand*{\bidi@footdir@footnote}{R}
16266 \else
16267   \newcommand*{\bidi@footdir@footnote}{L}
16268 \fi%
16269 }
16270
16271 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
16272 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
16273 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
16274
16275 \long\def\@mpRTLfootnotetext#1{%
16276   \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
16277   \global\setbox\@mpfootins\vbox{%
16278     \unvbox\@mpfootins
16279     \RTLtrue
16280     \reset@font%
16281     \bidi@@RTLfootnotetext@font% \reset@font\footnotesize
16282     \hsize\columnwidth
16283     \@parboxrestore
16284     \protected@edef\@currentlabel
16285       {\csname p@mpfootnote\endcsname\@thefnmark}%
16286     \color@begingroup
16287     \@makefnfntext{%
16288       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16289     \color@endgroup}}
16290 \long\def\@mpLTRfootnotetext#1{%
16291   \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
16292   \global\setbox\@mpfootins\vbox{%
16293     \unvbox\@mpfootins
16294     \RTLfalse
16295     \reset@font%
16296     \bidi@@LTRfootnotetext@font% \reset@font\footnotesize

```




```

16297 \hsize\columnwidth
16298 \@parboxrestore
16299 \protected@edef\@currentlabel
16300     {\csname p@mpfootnote\endcsname\@thefnmark}%
16301 \color@begingroup
16302     \@makefnstext{%
16303         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16304     \color@endgroup}}
16305 \long\def\@mpfootnotetext#1{%
16306 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnote
16307 \global\setbox\@mpfootins\vbox{%
16308     \unvbox\@mpfootins
16309     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
16310     \reset@font%
16311     \bidi@footnotetext@font% \reset@font\footnotesize
16312     \hsize\columnwidth
16313     \@parboxrestore
16314     \protected@edef\@currentlabel
16315         {\csname p@mpfootnote\endcsname\@thefnmark}%
16316     \color@begingroup
16317         \@makefnstext{%
16318             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
16319         \color@endgroup}}
16320 \def\@iiiminipage#1#2[#3]#4{%
16321 \leavevmode
16322 \@pboxswfalse
16323 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
16324 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
16325 \setlength\@tempdima{#4}%
16326 \def\@mpargs{{#1}{#2}[#3]{#4}}%
16327 \setbox\@tempboxa\vbox\bgroup
16328     \color@begingroup
16329     \hsize\@tempdima
16330     \textwidth\hsize \columnwidth\hsize
16331     \@parboxrestore
16332     \def\@mpfn{\mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
16333     \let\@footnotetext\@mpfootnotetext
16334     \let\@LTRfootnotetext\@mpLTRfootnotetext
16335     \let\@RTLfootnotetext\@mpRTLfootnotetext
16336     \let\@listdepth\@mplistdepth \@mplistdepth\z@
16337     \@minipagerestore
16338     \@setminipage}
16339 \def\endminipage{%
16340     \par
16341     \unskip
16342     \ifvoid\@mpfootins\else
16343         \vskip\skip\@mpfootins
16344         \normalcolor
16345         \bidi@mpfootnoterule
16346         \unvbox\@mpfootins
16347     \fi
16348     \@minipagefalse %% added 24 May 89
16349 \color@endgroup
16350 \egroup

```



```

16351 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}
16352 \def\LTRthanks#1{\footnotemark
16353   \protected@xdef\@thanks{\@thanks
16354     \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
16355 }
16356 \def\LTRfootnotetext{%
16357   \@ifnextchar [\@xLTRfootnotenext
16358     {\protected@xdef\@thefnmark{\thempfn}%
16359     \@LTRfootnotetext}}
16360 \def\@xLTRfootnotenext[#1]{%
16361   \begingroup
16362     \csname c@\@mpfn\endcsname #1\relax
16363     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16364   \endgroup
16365   \@LTRfootnotetext}
16366 \def\RTLthanks#1{\footnotemark
16367   \protected@xdef\@thanks{\@thanks
16368     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
16369 }
16370 \let\@thanks\@empty
16371 \def\RTLfootnotetext{%
16372   \@ifnextchar [\@xRTLfootnotenext
16373     {\protected@xdef\@thefnmark{\thempfn}%
16374     \@RTLfootnotetext}}
16375 \def\@xRTLfootnotenext[#1]{%
16376   \begingroup
16377     \csname c@\@mpfn\endcsname #1\relax
16378     \unrestored@protected@xdef\@thefnmark{\thempfn}%
16379   \endgroup
16380   \@RTLfootnotetext}
16381 \leftfootnoterule

```

96 File footnotebackref-xetex-bidi.def

```

16382 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnote]
16383 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
16384 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
16385
16386 \renewcommand*\LTRfootnote{%
16387   \refstepcounter{BackrefHyperFootnoteCounter}%
16388   \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
16389   \label{\BackrefFootnoteTag}%
16390   \@ifnextchar [\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
16391
16392 \renewcommand*\RTLfootnote{%
16393   \refstepcounter{BackrefHyperFootnoteCounter}%
16394   \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
16395   \label{\BackrefFootnoteTag}%
16396   \@ifnextchar [\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote}
16397 \newcommand\Backref@HyperLTRFootnote[1]{%
16398   \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
16399
16400 \newcommand\Backref@HyperRTLFootnote[1]{%
16401   \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}

```



```

16402
16403 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
16404   \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
16405
16406 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
16407   \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
16408
16409 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
16410 \ifFootnoteBackref@numberlinked
16411 \renewcommand\footfootmark{%
16412   \ifdim\footmarkwidth < \z@
16413     \llap{\hb@xt@ -\footmarkwidth{%
16414       \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16415       \hspace*{-\footmarkwidth}}}%
16416   \else
16417     \ifdim\footmarkwidth = \z@
16418       {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16419     \else
16420       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16421     \fi
16422   \fi}
16423 \renewcommand\LTRfootfootmark{%
16424 \ifdim\footmarkwidth < \z@
16425   \llap{\hb@xt@ -\footmarkwidth{%
16426     \hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16427     \hspace*{-\footmarkwidth}}}%
16428   \else
16429     \ifdim\footmarkwidth = \z@
16430       {\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16431     \else
16432       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16433     \fi
16434   \fi}
16435 \renewcommand\RTLfootfootmark{%
16436 \ifdim\footmarkwidth < \z@
16437   \llap{\hb@xt@ -\footmarkwidth{%
16438     \hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16439     \hspace*{-\footmarkwidth}}}%
16440   \else
16441     \ifdim\footmarkwidth = \z@
16442       {\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16443     \else
16444       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
16445     \fi
16446   \fi}
16447 \fi
16448 }

```

97 File framed-xetex-bidi.def

```

16449 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for
16450 \renewcommand\TitleBarFrame[3][\begingroup
16451 \ifx\delimiter#1\delimiter
16452 \let\TF@conlab\@empty

```



```

16453 \else
16454   \def\TF@conlab{% continuation label
16455     \nointerlineskip
16456     \smash{\rlap{\kern\wd\@tempboxa\kern\fb@rule\kern\fb@sep #1}}}%
16457 \fi
16458 %\let\TF@savecolor\current@color
16459 \textcolor{TF@FrameColor}{%
16460 \CustomFBox
16461   {\TF@Title{#2}}{\TF@conlab}}%
16462   \fb@rule\fb@rule\fb@rule\fb@rule
16463   %{\let\current@color\TF@savecolor\set@color #3}%
16464   {\normalcolor #3}%
16465 } \endgroup
16466 }
16467 \renewenvironment{titled-frame}[1]{%
16468   \def\FrameCommand{\fb@sep8pt\fb@rule2pt
16469     \TitleBarFrame{\textbf{#1}}}%
16470   \def\FirstFrameCommand{\fb@sep8pt\fb@rule2pt
16471     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1}}}%
16472   \def\MidFrameCommand{\fb@sep8pt\fb@rule2pt
16473     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1} (con
16474   \def\LastFrameCommand{\fb@sep8pt\fb@rule2pt
16475     \TitleBarFrame{\textbf{#1} (cont)}}}%
16476   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
16477 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
16478 % could interfere with the width measurement.
16479 {\endMakeFramed}
16480 \chardef\FrameRestore=\catcode`| % for debug
16481 \catcode`|=\catcode`\% % (debug: insert space after backslash)
16482 \def\fb@put@frame#1#2{\relax
16483 \ifdim\pagegoal=\maxdimen \pagegoal\vsz \fi
16484 | \message{===== Entering putframe =====^~J
16485 |   \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
16486 \ifinner
16487   \fb@putboxa#1%
16488   \fb@afterframe
16489 \else
16490 \dimen@ \pagegoal \advance\dimen@-\pagetotal % natural space left on page
16491 \ifdim\dimen@<2\baselineskip % Too little room on page
16492 | \message{Page has only \the\dimen@\space room left; eject. }%
16493 \eject \fb@adjheight \fb@put@frame#1#2%
16494 \else % there's appreciable room left on the page
16495   \fb@sizeofframe#1%
16496 | \message{\string\pagetotal=\the\pagetotal,
16497 |   \string\pagegoal=\the\pagegoal,
16498 |   \string\pagestretch=\the\pagestretch,
16499 |   \string\pageshrink=\the\pageshrink,
16500 |   \string\fb@frh=\the\fb@frh. \space}
16501 | \message{^^JBox of size \the\ht\@tempboxa\space}%
16502 \begingroup % temporarily set \dimen@ to be...
16503 \advance\dimen@.8\pageshrink % maximum space available on page
16504 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
16505 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
16506 \expandafter\endgroup

```



```

16507 % expand \ifdim, then restore \dimen@ to real room left on page
16508 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
16509 | \message{fits in \the\dimen@. }%
16510 % ToDo: Change this to use vsplit anyway to capture the marks
16511 % MERGE THIS WITH THE else CLAUSE!!!
16512 \fb@putboxa#1%
16513 \fb@afterframe
16514 \else % box must be split
16515 | \message{must be split to fit in \the\dimen@. }%
16516 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
16517 \fb@sizeofframe#2%
16518 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
16519 | \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
16520 \kern137sp\kern-137sp\penalty-30
16521 | \unvbox\@tempboxa}%
16522 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
16523 | \splittopskip\the\splittopskip}%
16524 \boxmaxdepth\z@ \splittopskip\z@
16525 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
16526 % Split box here
16527 \setbox\tw@\vsplit\@tempboxa to\dimen@
16528 | \toks99\expandafter{\splitfirstmark}%
16529 | \toks98\expandafter{\splitbotmark}%
16530 | \message{Marks are: \the\toks99, \the\toks98. }%
16531 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
16532 | \message{Natural height of split box is \the\ht\tw@, leaving
16533 | \the\ht\@tempboxa\space remainder. }%
16534 % If the split-to size > (\vsize-\topskip), then set box to full size.
16535 \begingroup
16536 \advance\dimen@\topskip
16537 \expandafter\endgroup
16538 \ifdim\dimen@>\pagegoal
16539 | \message{Frame is big -- Use up the full column. }%
16540 \dimen@ii\pagegoal
16541 \advance\dimen@ii -\topskip
16542 \advance\dimen@ii \FrameHeightAdjust\relax
16543 \else % suspect this is implemented incorrectly:
16544 % If the split-to size > feasible room_on_page, rebox it smaller.
16545 \advance\dimen@.8\pageshrink
16546 \ifdim\ht\tw@>\dimen@
16547 | \message{Box too tall; rebox it to \the\dimen@. }%
16548 \dimen@ii\dimen@
16549 \else % use natural size
16550 \dimen@ii\ht\tw@
16551 \fi
16552 \fi
16553 % Re-box contents to desired size \dimen@ii
16554 \advance\dimen@ii -\fb@frh
16555 \setbox\tw@\vbox to\dimen@ii \bgroup
16556 % remove simulated frame and page flexibility:
16557 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
16558 \unvbox\tw@ \unpenalty\unpenalty
16559 \ifdim\lastkern=-137sp % whole box went to next page
16560 | \message{box split at beginning! }%

```



```

16561         % need work here???
16562         \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
16563         \fb@adjheight
16564         \fb@put@frame#1#2% INSERTED ???
16565     \else % Got material split off at the head
16566         \egroup \fb@resto@set
16567         \ifvoid\@tempboxa % it all fit after all
16568 |         \message{box split at end! }%
16569         \setbox\@tempboxa\box\tw@
16570         \fb@putboxa#1%
16571         \fb@afterframe
16572     \else % it really did split
16573 |         \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
16574         \ifdim\wd\tw@>\z@
16575             \wd\tw@\wd\@tempboxa
16576             \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
16577         \else
16578 |         \message{Zero width means likely blank. Don't frame it (guess)}%
16579         \box\tw@
16580         \fi
16581         \hrule \@height\z@ \@width\hsize
16582         \eject
16583         \fb@adjheight
16584         \fb@put@frame\LastFrameCommand\MidFrameCommand
16585     \fi\fi\fi\fi\fi
16586 }
16587 \def\fb@putboxa#1{%
16588     \ifvoid\@tempboxa
16589         \PackageWarning{framed}{Boxa is void -- discard it. }%
16590     \else
16591 |         \message{Frame and place boxa. }%
16592 |         %{\showoutput\showbox\@tempboxa}%
16593         \centerline{#1{\hboxL{\box\@tempboxa}}}%
16594     \fi
16595 }
16596 \catcode`\|=\FrameRestore
16597 \def\FrameRestore{%
16598     \let\if@nbreak\iffalse
16599     \let\if@noskipsec\iffalse
16600     \let\-\@dischph
16601     \let'\@acci\let``@accii\let\=\@acciii
16602     % \message{FrameRestore:
16603     %     \@totalleftmargin=\the \@totalleftmargin,
16604     %     \rightmargin=\the\rightmargin,
16605     %     \@listdepth=\the\@listdepth. }%
16606     % Test if we are in a list (or list-like paragraph)
16607     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
16608         \ifdim\rightmargin>\z@ 1\fi
16609         \ifnum\@listdepth>\z@ 1\fi 0>\z@
16610     %     \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
16611     %         \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
16612     %         \labelwidth=\the\labelwidth. }%
16613     \@setminipage % snug fit around the item
16614     % Now try to propageate changes of width from \hsize to list parameters.

```



```

16615 % This is deficient, but a more advanced way to indicate modification to text
16616 % dimensions is not (yet) provided; in particular, no separate left/right
16617 % adjustment.
16618 \advance\linewidth-\columnwidth \advance\linewidth\hsize
16619 \parshape\@ne \@totalleftmargin \linewidth
16620 \else % Not in list
16621 \linewidth=\hsize
16622 %\message{No list, set \string\linewidth=\the\hsize. }%
16623 \fi
16624 \sloppy
16625 }

```

98 File `ftnright-xetex-bidi.def`

```

16626 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
16627
16628 \def\prepare@bidi@copyins{%
16629 \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
16630 \global\skip\@bidi@copyins@\z@
16631 \global\count\@bidi@copyins@\z@
16632 \global\dimen\@bidi@copyins@\textheight}
16633
16634 \newskip\bidi@rcol@copyinsskip
16635
16636 \def\LTR@outputdblcol{%
16637 \if@firstcolumn
16638 \global\@firstcolumnfalse
16639 \global\setbox\@leftcolumn\copy\@outputbox
16640 \global\count\footins\@m
16641 \global\skip\footins\rcol@footinsskip
16642 \global\count\@bidi@copyins@\@m
16643 \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
16644 \splitmaxdepth\maxdimen
16645 \vbadness\maxdimen
16646 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16647 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16648 \toks@\expandafter{\topmark}%
16649 \xdef\@firstcoltopmark{\the\toks@}%
16650 \toks@\expandafter{\splitfirstmark}%
16651 \xdef\@firstcolfirstmark{\the\toks@}%
16652 \ifx\@firstcolfirstmark\empty
16653 \global\let\@setmarks\relax
16654 \else
16655 \gdef\@setmarks{%
16656 \let\firstmark\@firstcolfirstmark
16657 \let\topmark\@firstcoltopmark}%
16658 \fi
16659 \else
16660 \preparefootins
16661 \prepare@bidi@copyins
16662 \global\@firstcolumntrue
16663 \setbox\@outputbox\vbox{%
16664 \hb@xt@\textwidth{%
16665 \hb@xt@\columnwidth{%

```



```

16666     \bidi@firstcolumn@status@write%
16667     \box\@leftcolumn \hss}%
16668     \hfil
16669     {\normalcolor\vrule \@width\columnseprule}%
16670     \hfil
16671     \hb@xt@\columnwidth{%
16672     \bidi@lastcolumn@status@write%
16673     \box\@outputbox \hss}}}%
16674 \@combinedblfloats
16675     \@setmarks
16676     \@outputpage
16677     \beginingroup
16678     \@dblfloatplacement
16679     \@startdblcolumn
16680     \@whilesw@if@colmade \fi{\@outputpage
16681     \@startdblcolumn}%
16682     \endgroup
16683 \fi}%
16684
16685 \def\RTL@outputdblcol{%
16686 \if@firstcolumn
16687     \global\@firstcolumnfalse
16688     \global\setbox\@leftcolumn\copy\@outputbox
16689     \global\count\footins\@m
16690     \global\skip\footins\rcol@footinsskip
16691     \global\count\@bidi@copyins@\@m
16692     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
16693     \splitmaxdepth\maxdimen
16694     \vbadness\maxdimen
16695     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16696     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16697     \toks@\expandafter{\topmark}%
16698     \xdef\@firstcoltopmark{\the\toks@}%
16699     \toks@\expandafter{\splitfirstmark}%
16700     \xdef\@firstcolfirstmark{\the\toks@}%
16701     \ifx\@firstcolfirstmark\@empty
16702     \global\let\@setmarks\relax
16703     \else
16704     \gdef\@setmarks{%
16705     \let\firstmark\@firstcolfirstmark
16706     \let\topmark\@firstcoltopmark}%
16707     \fi
16708 \else
16709     \preparefootins
16710     \prepare@bidi@copyins
16711     \global\@firstcolumntrue
16712     \setbox\@outputbox\vbox{%
16713     \hb@xt@\textwidth{%
16714     \hskip \columnwidth
16715     \hfil
16716     {\normalcolor\vrule \@width\columnseprule}%
16717     \hfil
16718     \hb@xt@\columnwidth{%
16719     \bidi@firstcolumn@status@write%

```




```

16720     \box\@leftcolumn \hss}%
16721     \hskip -\textwidth
16722     \hb@xt@\columnwidth{%
16723     \bidi@lastcolumn@status@write%
16724     \box\@outputbox \hss}%
16725     \hskip \columnsep
16726     \hskip \columnwidth }}%
16727 \@combinedblfloats
16728 \setmarks
16729 \outputpage
16730 \begingroup
16731 \@dblfloatplacement
16732 \startdblcolumn
16733 \@whilesw@if@colmade \fi{\@outputpage
16734 \startdblcolumn}%
16735 \endgroup
16736 \fi}%
16737
16738 \def\@startcolumn{%
16739 \ifx\@deferlist\@empty
16740 \global\@fcolmadefalse
16741 \global\@colroom\@colht
16742 \else
16743 \ifvoid\footins\else
16744 \ftn@amount\ht\footins
16745 \advance\ftn@amount\dp\footins
16746 \advance\ftn@amount\skip\footins
16747 \fi
16748 \ifvoid\@bidi@copyins\else
16749 \bidi@copyins@amount\ht\@bidi@copyins@
16750 \advance\bidi@copyins@amount\dp\@bidi@copyins@
16751 \advance\bidi@copyins@amount\skip\@bidi@copyins@
16752 \fi
16753 \global\advance\@colht-\ftn@amount
16754 \global\advance\@colht-\bidi@copyins@amount
16755 \global\@colroom\@colht
16756 \xstartcol
16757 \global\advance\@colht\ftn@amount
16758 \global\advance\@colroom\ftn@amount
16759 \global\advance\@colht\bidi@copyins@amount
16760 \global\advance\@colroom\bidi@copyins@amount
16761 \fi
16762 \if@fcolmade
16763 \setbox\@cclv\box\@outputbox
16764 \makecol
16765 \else
16766 \ifvoid\footins\else
16767 \insert\footins{\unvbox\footins}\fi
16768 \ifvoid\@bidi@copyins\else
16769 \insert\@bidi@copyins@{\unvbox\@bidi@copyins@}\fi
16770 \fi}
16771
16772 \newdimen\bidi@copyins@amount
16773

```



```

16774 \def\makecol{\if@firstcolumn
16775   \setbox\@outputbox\box\@cclv
16776   \if@twocolumn \else
16777     \ifvoid\footins \else
16778       \@latexerr{ftnright package
16779         used in one-column mode}}%
16780 {The ftnright package was designed to
16781   work with LaTeX's standard^^Jtwocolumn
16782   option. It does *not* work with the
16783   multicol package.^^JSo please specify
16784   `twocolumn' in the
16785   \noexpand\documentclass command.}%
16786   \shipout\box\footins \fi
16787   \ifvoid\@bidi@copyins@ \else
16788     \@latexerr{ftnright package
16789       used in one-column mode}}%
16790 {The ftnright package was designed to
16791   work with LaTeX's standard^^Jtwocolumn
16792   option. It does *not* work with the
16793   multicol package.^^JSo please specify
16794   `twocolumn' in the
16795   \noexpand\documentclass command.}%
16796   \shipout\box\@bidi@copyins@ \fi\fi
16797 \ifnum\insertpenalties>\z@
16798   \@latexerr{ftnright package
16799     scrambled footnotes}}%
16800 {There is too much footnote material in
16801   the first column and ftnright^^Jis
16802   unable to cope with this.^^JYou need
16803   to reduce the amount to get a properly
16804   formatted page.}%
16805 \fi
16806 \else
16807   \ifvoid\footins
16808     \ifvoid\@bidi@copyins@
16809       \setbox\@outputbox\box\@cclv
16810     \else
16811       \setbox\@outputbox\vbox
16812         {\ifvoid\@cclv \else
16813           \unvbox\@cclv
16814           \vskip \skip\@bidi@copyins@
16815         \fi
16816         \color@begingroup
16817         \normalcolor
16818         \unvbox \@bidi@copyins@
16819         \color@endgroup}}%
16820   \fi
16821 \else
16822   \setbox\@outputbox\vbox
16823     {\ifvoid\@cclv \else
16824       \unvbox\@cclv
16825       \vskip\skip\footins\fi
16826     \color@begingroup
16827     \normalcolor

```



```

16828     \footnoterule\unvbox\footins
16829     \color@endgroup
16830     \ifvoid\@bidi@copyins@
16831     \else
16832         \vskip \skip\@bidi@copyins@
16833         \color@begingroup
16834         \normalcolor
16835         \unvbox \@bidi@copyins@
16836         \color@endgroup
16837     \fi
16838 }%
16839 \fi
16840 \fi
16841 \xdef\@freelist{\@freelist\@midlist}%
16842 \global \let \@midlist \@empty
16843 \@combinefloats
16844 \ifvbox\@kludgeins
16845     \@makespecialcolbox
16846 \else
16847     \setbox\@outputbox\vbox to\@colht
16848     {\boxmaxdepth\maxdepth
16849     \@texttop
16850     \@tempdima\dp\@outputbox
16851     \unvbox\@outputbox
16852     \vskip-\@tempdima
16853     \@textbottom}%
16854 \fi
16855 \global\maxdepth\@maxdepth}
16856
16857 \let\leftfootnoterule\@empty
16858 \let\rightfootnoterule\@empty
16859 \let\textwidthfootnoterule\@empty
16860 \let\autofootnoterule\@empty
16861 \let\footnoterule\@empty
16862 \long\def\@makefntext#1{\parindent 1em
16863     \noindent\hbox to 2em{}}%
16864     \llap{\@thefnmark\hbox{.}\,}\,)#1}
16865
16866 \setlength{\skip\@bidi@copyins@}
16867     {10pt plus 5pt minus 3pt}
16868 \AtBeginDocument{\prepare@bidi@copyins}

```

99 File graphicx-xetex-bidi.def

```

16869 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
16870 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
16871     \Grot@setangle{#1}%
16872     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
16873     \Grot@x\z@
16874     \Grot@y\z@
16875     \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
16876 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16877     \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
16878     \Grot@x\width \divide\Grot@x\tw@

```



```

16879 \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
16880 \setkeys{Grot}{#1}%
16881 \setbox\z@\box\@tempboxa
16882 \Grot@setangle{#2}%
16883 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16884 \@end@tempboxa}
16885 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16886 \leavevmode
16887 \def\Gscale@x{#1}\def\Gscale@y{#2}%
16888 \setbox\z@\hbox{#3}%
16889 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16890 \ifdim#2\p@<\z@
16891 \ht\tw@-#2\dp\z@
16892 \dp\tw@-#2\ht\z@
16893 \else
16894 \ht\tw@#2\ht\z@
16895 \dp\tw@#2\dp\z@
16896 \fi
16897 \ifdim#1\p@<\z@
16898 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
16899 \else
16900 \wd\tw@#1\wd\z@
16901 \box\tw@
16902 \fi\ifmmode\else\if@RTL\endL\fi\fi}
16903 \def\Gin@iii[#1,#2][#3,#4]#5{%
16904 \begingroup
16905 \ifmmode\else\if@RTL\beginL\fi\fi
16906 \Gin@bboxtrue
16907 \Gin@defaultbp\Gin@llx{#1}%
16908 \Gin@defaultbp\Gin@lly{#2}%
16909 \Gin@defaultbp\Gin@urx{#3}%
16910 \Gin@defaultbp\Gin@ury{#4}%
16911 \Gin@include@graphics{#5}%
16912 \ifmmode\else\if@RTL\endL\fi\fi
16913 \endgroup}
16914 \def\Gin@ii[#1]#2{%
16915 \def\@tempa{[]}\def\@tempb{#2}%
16916 \ifx\@tempa\@tempb
16917 \def\@tempa{\Gin@iii[#1] []}%
16918 \expandafter\@tempa
16919 \else
16920 \begingroup
16921 \ifmmode\else\if@RTL\beginL\fi\fi
16922 \@tempswafalse
16923 \toks@{\Gin@include@graphics{#2}}%
16924 \setkeys{Gin}{#1}%
16925 \Gin@esetsize
16926 \the\toks@
16927 \ifmmode\else\if@RTL\endL\fi\fi
16928 \endgroup
16929 \fi}
16930 \def\reflectbox{\bidiGscale@box-1[1]}
16931 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
16932 \leavevmode

```



```

16933 \def\Gscale@x{#1}\def\Gscale@y{#2}%
16934 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
16935 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
16936 \ifdim#2\p@<\z@
16937 \ht\tw@-#2\dp\z@
16938 \dp\tw@-#2\ht\z@
16939 \else
16940 \ht\tw@#2\ht\z@
16941 \dp\tw@#2\dp\z@
16942 \fi
16943 \ifdim#1\p@<\z@
16944 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
16945 \else
16946 \wd\tw@#1\wd\z@
16947 \box\tw@
16948 \fi\ifmmode\else\if@RTL\endL\fi\fi}
16949 \def\scalebox#1{%
16950 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
16951 \def\resizebox{%
16952 \leavevmode
16953 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
16954 \def\bidiGscale@@box#1#2#3{%
16955 \let\@tempa\Gin@exclamation
16956 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
16957 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
16958 \ifx\@tempb\@tempa
16959 \ifx\@tempc\@tempa
16960 \toks@{\mbox}%
16961 \else
16962 \toks@{\bidiGscale@box@dd{#3}#1}%
16963 \fi
16964 \else
16965 \ifx\@tempc\@tempa
16966 \toks@{\bidiGscale@box@dd{#2}\width}%
16967 \else
16968 \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
16969 \fi
16970 \fi
16971 \the\toks@}
16972 \long\def\bidiGscale@box@dd#1#2#3{%
16973 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
16974 \setlength\@tempdima{#1}%
16975 \setlength\@tempdimb{#2}%
16976 \Gscale@div\@tempa\@tempdima\@tempdimb
16977 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
16978 \@end@tempboxa}
16979 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
16980 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL
16981 \setlength\@tempdima{#1}%
16982 \setlength\@tempdimb{#2}%
16983 \Gscale@div\@tempa\@tempdima\@tempdimb
16984 \setlength\@tempdima{#3}%
16985 \setlength\@tempdimb{#4}%
16986 \Gscale@div\@tempb\@tempdima\@tempdimb

```



```

16987 \ifGin@iso
16988 \ifdim@tempa\p@>\@tempb\p@
16989 \let\@tempa\@tempb
16990 \else
16991 \let\@tempb\@tempa
16992 \fi
16993 \fi
16994 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
16995 \@end@tempboxa}

```

100 File geometry-xetex-bidi.def

```

16996 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
16997 \renewcommand*\Gm@vrules@mpi}{%
16998 \if@RTLmain%
16999 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
17000 \llap{\Gm@vrule}\ignorespaces
17001 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
17002 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
17003 \else%
17004 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
17005 \hskip \textwidth\Gm@vrule\hskip \marginparsep
17006 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
17007 \renewcommand*\Gm@vrules@mpi}{%
17008 \if@RTLmain%
17009 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
17010 \hskip \textwidth\Gm@vrule\hskip \marginparsep
17011 \llap{\Gm@vrule}\hfil\Gm@vrule}%
17012 \else%
17013 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
17014 \llap{\Gm@vrule}\ignorespaces
17015 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
17016 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
17017 \bidi@patchcmd{\Gm@pageframes}{%
17018 \ifodd\count\z@
17019 \let\@themargin\oddsidemargin
17020 \else
17021 \let\@themargin\evensidemargin
17022 \fi
17023 }{;%
17024 \ifodd\count\z@
17025 \if@RTLmain
17026 \let\@themargin\evensidemargin
17027 \else
17028 \let\@themargin\oddsidemargin
17029 \fi
17030 \else
17031 \if@RTLmain
17032 \let\@themargin\oddsidemargin
17033 \else
17034 \let\@themargin\evensidemargin
17035 \fi
17036 \fi
17037 }{}

```



101 File hvfloat-xetex-bidi.def

```
17038 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package f
17039 \def\do@hvFloat[#1]#2#3{%
17040 \def\hv@shortCap{#1}
17041 \def\hv@longCap{#2}
17042 \def\hv@label{#3}
17043 %\newcommand*{\hvFloat}[5] [] {%
17044 % [#1]: keyvalues
17045 % #2: type figure | table | ...
17046 % #3: float contents
17047 % [#4]: short caption
17048 % #5: caption
17049 % #6: label
17050 % \setDefault%
17051 % \def@tempa{#1}%
17052 % \ifx@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
17053 \def@tempa{90}%
17054 \ifx\hvSet@rotAngle@tempa \setlength{\hvMaxCapWidth}{\textheight}
17055 \else \setlength{\hvMaxCapWidth}{\linewidth}
17056 \fi
17057 %
17058 % First we save the object in \hvObjectBox
17059 %
17060 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
17061 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
17062 \else
17063 \savebox{\hvObjectBox}{%
17064 \rotatebox{\hvSet@objectAngle}{%
17065 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
17066 \fi
17067 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
17068 %
17069 % Now we save the caption with its defined \hvCapWidth
17070 %
17071 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
17072 \else
17073 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
17074 \else
17075 \setlength{\hvCapWidth}{\hvObjectWidth}
17076 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
17077 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
17078 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
17079 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
17080 \else
17081 \setlength{\hvCapWidth}{\hvMaxCapWidth}
17082 \fi
17083 \fi
17084 \fi
17085 %
17086 % now we have the object and the caption with the right
17087 % rotated angles saved in boxes
17088 %
17089 \def\fps@figure{\hvSet@floatPos}
```



```

17090 \ifhv@nonFloat\begingroup% Start the nonfloat part
17091 \else \begin{\hv@floatType}% Start the floating environment
17092 \fi%
17093 \saveCaptionSkip% we put this space ourselves
17094 \ifx\hvSet@capAngle\hv@Width % need rotation?
17095 \sbox{\hvCaptionBox}{%
17096 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
17097 \ifhv@nonFloat%
17098 \ifhv@onlyText#2%
17099 \else%
17100 \ifx\hv@floatType\hv@figure
17101 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
17102 \else
17103 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
17104 \fi
17105 \fi
17106 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
17107 \fi%
17108 \label{#3}%
17109 \end{minipage}%
17110 }%
17111 \else%
17112 \sbox{\hvCaptionBox}{%
17113 \rotatebox{\hvSet@capAngle}{%
17114 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
17115 \ifhv@nonFloat%
17116 \ifhv@onlyText#2%
17117 \else%
17118 \ifx\hv@floatType\hv@figure
17119 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
17120 \else
17121 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
17122 \fi
17123 \fi
17124 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
17125 \fi%
17126 \label{#3}%
17127 \end{minipage}%
17128 }%
17129 }%
17130 \fi%
17131 %%
17132 \restoreCaptionSkip% save old values
17133 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
17134 \else%
17135 \ifx\hvSet@objectPos\hv@Center
17136 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
17137 \fi%
17138 \fi%
17139 %
17140 % to rotate object and caption together, we save all in another box
17141 % the caption comes first, if its on the left or the top
17142 %
17143 \savebox{\@tempboxa}{%

```




```

17144 \ifx\hvSet@capPos\hv@Left % caption on left side
17145 \if@RTL%
17146 \ifx\hvSet@capVPos\hv@Center%
17147     \ifhv@fbox
17148         \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17149     \else
17150         \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17151     \fi%
17152     \hspace{\hvSet@floatCapSep pt}%
17153     \ifhv@fbox
17154         \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17155     \else
17156         \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17157     \fi%
17158 \else%
17159 \ifx\hvSet@capVPos\hv@Top
17160     \ifhv@fbox
17161         \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17162     \else
17163         \raisebox{-\height}{\usebox{\hvObjectBox}}%
17164     \fi%
17165     \hspace{\hvSet@floatCapSep pt}%
17166     \ifhv@fbox
17167         \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17168     \else
17169         \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17170     \fi
17171 \else
17172     \ifhv@fbox
17173         \fbox{\usebox{\hvObjectBox}}%
17174     \else
17175         \usebox{\hvObjectBox}%
17176     \fi
17177     \hspace{\hvSet@floatCapSep pt}%
17178     \ifhv@fbox
17179         \fbox{\usebox{\hvCaptionBox}}%
17180     \else
17181         \usebox{\hvCaptionBox}%
17182     \fi%
17183 \fi%
17184 \fi%
17185 \else% not RTL
17186     \ifx\hvSet@capVPos\hv@Center%
17187         \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17188     \else     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
17189     \fi%
17190     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17191     \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
17192     \else     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17193     \fi%
17194 \else%
17195     \ifx\hvSet@capVPos\hv@Top % caption at top
17196         \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
17197     \else     \raisebox{-\height}{\usebox{\hvCaptionBox}}%

```



```

17198     \fi
17199     \hspace{\hvSet@floatCapSep pt}% capfloatsep
17200     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
17201     \else      \raisebox{-\height}{\usebox{\hvObjectBox}}%
17202     \fi%
17203 \else% caption on bottom
17204     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
17205         \else\usebox{\hvCaptionBox}
17206     \fi%
17207     \hspace{\hvSet@floatCapSep pt}%
17208     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
17209     \else      \usebox{\hvObjectBox}
17210     \fi%
17211 \fi%
17212 \fi% end of RTL
17213 \fi%
17214 \else
17215     \ifx\hvSet@capPos\hv@Top
17216     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17217     \begin{minipage}{\wd\hvCaptionBox}
17218     \else
17219     \begin{minipage}{\wd\hvObjectBox}
17220     \fi
17221     \centering
17222     \ifhv@fbox
17223     \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
17224     \fbbox{\usebox{\hvObjectBox}}
17225     \else
17226     \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
17227     \usebox{\hvObjectBox}
17228     \fi%
17229     \end{minipage}
17230 \else
17231     \ifx\hvSet@capPos\hv@Bottom
17232     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
17233     \begin{minipage}{\wd\hvCaptionBox}
17234     \else
17235     \begin{minipage}{\wd\hvObjectBox}
17236     \fi
17237     \centering
17238     \ifhv@fbox
17239     \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
17240     \fbbox{\usebox{\hvCaptionBox}}
17241     \else
17242     \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
17243     \usebox{\hvCaptionBox}
17244     \fi%
17245     \end{minipage}
17246 \else% the last option: put the caption on the right
17247 \if@RTL%
17248     \ifx\hvSet@capVPos\hv@Center%
17249     \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
17250     \else      \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
17251     \fi%

```



```

17252 \hspace{\hvSet@floatCapSep pt}% capfloatsep
17253 \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}}
17254 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17255 \fi%
17256 \else%
17257 \ifx\hvSet@capVPos\hv@Top % caption at top
17258 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}}%
17259 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17260 \fi
17261 \hspace{\hvSet@floatCapSep pt}% capfloatsep
17262 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}}%
17263 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
17264 \fi%
17265 \else% caption on bottom
17266 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
17267 \else\usebox{\hvCaptionBox}
17268 \fi%
17269 \hspace{\hvSet@floatCapSep pt}%
17270 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
17271 \else \usebox{\hvObjectBox}
17272 \fi%
17273 \fi%
17274 \fi%
17275 \else% not RTL
17276 \ifx\hvSet@capVPos\hv@Center%
17277 \ifhv@fbox
17278 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}}
17279 \else
17280 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
17281 \fi%
17282 \hspace{\hvSet@floatCapSep pt}%
17283 \ifhv@fbox
17284 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}}%
17285 \else
17286 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
17287 \fi%
17288 \else%
17289 \ifx\hvSet@capVPos\hv@Top
17290 \ifhv@fbox
17291 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}}%
17292 \else
17293 \raisebox{-\height}{\usebox{\hvObjectBox}}%
17294 \fi%
17295 \hspace{\hvSet@floatCapSep pt}%
17296 \ifhv@fbox
17297 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}}%
17298 \else
17299 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
17300 \fi
17301 \else
17302 \ifhv@fbox
17303 \fbbox{\usebox{\hvObjectBox}}}%
17304 \else
17305 \usebox{\hvObjectBox}}%

```



```

17306     \fi
17307     \hspace{\hvSet@floatCapSep pt}%
17308     \ifhv@fbox
17309     \fbox{\usebox{\hvCaptionBox}}%
17310     \else
17311     \usebox{\hvCaptionBox}%
17312     \fi%
17313     \fi%
17314     \fi
17315 \fi% end of RTL
17316     \fi
17317     \fi
17318     \fi
17319 }% End savebox Object and caption
17320 %
17321 % now we rotate the object and caption, if needed
17322 %
17323 \ifx\hvSet@rotAngle\hv@Zero
17324 \usebox{\@tempboxa}
17325 \else
17326 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
17327 \fi
17328 \ifhv@nonFloat
17329 \ifx\hvSet@objectPos\hv@Center
17330 \ifhv@nonFloat
17331 \hspace{\fill}
17332 \fi
17333 \fi
17334 \endgroup% End the nonfloat part
17335 \else
17336 \end{\hv@floatType}% End the floating environment
17337 \fi
17338 }

```

102 File hyperref-xetex-bidi.def

```

17339 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
17340 \AtBeginDocument{%
17341 \def\contentsline#1#2#3#4{%
17342 \ifx\#4\%
17343 \csname l@#1\endcsname{#2}{#3}%
17344 \else
17345 \ifcase\Hy@linktoc % none
17346 \csname l@#1\endcsname{#2}{#3}%
17347 \or % section
17348 \csname l@#1\endcsname{%
17349 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17350 }{#3}%
17351 \or % page
17352 \csname l@#1\endcsname{#2}{#3}{%
17353 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17354 }%
17355 \else % all
17356 \csname l@#1\endcsname{%

```



```

17357     \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
17358     }{%
17359     \hyper@linkstart{link}{#4}{#3}\hyper@linkend
17360     }%
17361     \fi
17362     \fi
17363 }
17364 \ifHy@hyperfootnotes
17365     \let\H@@footnotetext\@footnotetext
17366     \let\HRTL@RTLfootnotetext\@RTLfootnotetext
17367     \let\HLTR@LTRfootnotetext\@LTRfootnotetext
17368     \def\xfootnotenext[#1]{%
17369     \begingroup
17370     \csname c@\@mpfn\endcsname #1\relax
17371     \unrestored@protected@xdef\@thefnmark{\thempfn}%
17372     \endgroup
17373     \ifx\@footnotetext\@mpfootnotetext
17374     \expandafter\H@\@mpfootnotetext
17375     \else
17376     \expandafter\H@@footnotetext
17377     \fi
17378 }%
17379     \def\@xRTLfootnotenext[#1]{%
17380     \begingroup
17381     \csname c@\@mpfn\endcsname #1\relax
17382     \unrestored@protected@xdef\@thefnmark{\thempfn}%
17383     \endgroup
17384     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
17385     \expandafter\HRTL@\@mpRTLfootnotetext
17386     \else
17387     \expandafter\HRTL@\@RTLfootnotetext
17388     \fi
17389 }%
17390     \def\@xLTRfootnotenext[#1]{%
17391     \begingroup
17392     \csname c@\@mpfn\endcsname #1\relax
17393     \unrestored@protected@xdef\@thefnmark{\thempfn}%
17394     \endgroup
17395     \ifx\@LTRfootnotetext\@mpLTRfootnotetext
17396     \expandafter\HLTR@\@mpLTRfootnotetext
17397     \else
17398     \expandafter\HLTR@\@LTRfootnotetext
17399     \fi
17400 }%
17401     \def\xfootnotemark[#1]{%
17402     \begingroup
17403     \c@footnote #1\relax
17404     \unrestored@protected@xdef\@thefnmark{\thefootnote}%
17405     \endgroup
17406     \H@@footnotemark
17407 }%
17408     \let\H@\@mpfootnotetext\@mpfootnotetext
17409     \let\HRTL@\@mpRTLfootnotetext\@mpRTLfootnotetext
17410     \let\HLTR@\@mpLTRfootnotetext\@mpLTRfootnotetext

```



```

17411 \long\def\@mpfootnotetext#1{%
17412 \H@mpfootnotetext{%
17413 \ifHy@nesting
17414 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17415 \else
17416 \Hy@raisedlink{%
17417 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17418 }#1%
17419 \fi
17420 }%
17421 }%
17422 \long\def\@mpRTLfootnotetext#1{%
17423 \HRTL@mpRTLfootnotetext{%
17424 \ifHy@nesting
17425 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17426 \else
17427 \Hy@raisedlink{%
17428 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17429 }#1%
17430 \fi
17431 }%
17432 }%
17433 \long\def\@mpLTRfootnotetext#1{%
17434 \HLTR@mpLTRfootnotetext{%
17435 \ifHy@nesting
17436 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17437 \else
17438 \Hy@raisedlink{%
17439 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17440 }#1%
17441 \fi
17442 }%
17443 }%
17444 \long\def\@footnotetext#1{%
17445 \H@footnotetext{%
17446 \ifHy@nesting
17447 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17448 \else
17449 \Hy@raisedlink{%
17450 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17451 }%
17452 \let\@currentHlabel\Hy@footnote@currentHlabel
17453 \let\@currentHref\Hy@footnote@currentHref
17454 \let\@currentlabelname\@empty
17455 }#1%
17456 \fi
17457 }%
17458 }%
17459 \long\def\@RTLfootnotetext#1{%
17460 \HRTL@RTLfootnotetext{%
17461 \ifHy@nesting
17462 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17463 \else
17464 \Hy@raisedlink{%

```



```

17465         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17466     }%
17467     \let\@currentHlabel\Hy@footnote@currentHlabel
17468     \let\@currentHref\Hy@footnote@currentHref
17469     \let\@currentlabelname\@empty
17470     #1%
17471     \fi
17472 }%
17473 }%
17474 \long\def\@LTRfootnotetext#1{%
17475 \HLTR@@LTRfootnotetext{%
17476     \ifHy@nesting
17477     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
17478     \else
17479     \Hy@raisedlink{%
17480     \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
17481     }%
17482     \let\@currentHlabel\Hy@footnote@currentHlabel
17483     \let\@currentHref\Hy@footnote@currentHref
17484     \let\@currentlabelname\@empty
17485     #1%
17486     \fi
17487 }%
17488 }%
17489 \@ifpackageloaded{tabularx}{%
17490 \let\HyOrg@TX@endtabularx\TX@endtabularx
17491 \def\Hy@tabularx@hook{%
17492     \let\@footnotetext\H@@footnotetext
17493     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
17494     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
17495     \let\@footnotemark\H@@footnotemark
17496     \let\@mpfootnotetext\H@@mpfootnotetext
17497     \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
17498     \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
17499 }%
17500 \begingroup
17501 \toks@\expandafter{\TX@endtabularx}%
17502 \xdef\Hy@gtemp{%
17503     \noexpand\Hy@tabularx@hook
17504     \the\toks@
17505 }%
17506 \endgroup
17507 \let\TX@endtabularx\Hy@gtemp
17508 }{}%
17509 \@ifpackageloaded{longtable}{%
17510 \CheckCommand*\LT@p@LTRftntext}[1]{%
17511     \edef\@tempa{%
17512     \the\LT@p@ftn
17513     \noexpand\LTRfootnotetext[\the\c@footnote]}%
17514     }%
17515     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17516 }%
17517 \long\def\LT@p@LTRftntext#1{%
17518     \edef\@tempa{%

```



```

17519     \the\LT@p@ftn
17520     \begingroup
17521         \noexpand\c@footnote=\the\c@footnote\relax
17522         \noexpand\protected@xdef\noexpand\@thefnmark{%
17523             \noexpand\thempfn
17524         }%
17525         \noexpand\Hy@LT@LTRfootnotetext{%
17526             \Hy@footnote@currentHref
17527         }%
17528     }%
17529     \global\LT@p@ftn\expandafter{%
17530         \@tempa{#1}%
17531     \endgroup
17532 }%
17533 }%
17534 \long\def\Hy@LT@LTRfootnotetext#1#2{%
17535     \HLTR@LTRfootnotetext{%
17536         \ifHy@nesting
17537             \hyper@@anchor{#1}{#2}%
17538         \else
17539             \Hy@raisedlink{%
17540                 \hyper@@anchor{#1}{\relax}%
17541             }%
17542             \def\@currentHref{#1}%
17543             \let\@currentlabelname\@empty
17544             #2%
17545         \fi
17546     }%
17547 }%
17548 \CheckCommand*\LT@p@RTLftntext}[1]{%
17549     \edef\@tempa{%
17550         \the\LT@p@ftn
17551         \noexpand\RTLfootnotetext[\the\c@footnote]%
17552     }%
17553     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
17554 }%
17555 \long\def\LT@p@RTLftntext#1{%
17556     \edef\@tempa{%
17557         \the\LT@p@ftn
17558     \begingroup
17559         \noexpand\c@footnote=\the\c@footnote\relax
17560         \noexpand\protected@xdef\noexpand\@thefnmark{%
17561             \noexpand\thempfn
17562         }%
17563         \noexpand\Hy@LT@RTLfootnotetext{%
17564             \Hy@footnote@currentHref
17565         }%
17566     }%
17567     \global\LT@p@ftn\expandafter{%
17568         \@tempa{#1}%
17569     \endgroup
17570 }%
17571 }%
17572 \long\def\Hy@LT@RTLfootnotetext#1#2{%

```




```

17573 \HRTL@RTLfootnotetext{%
17574 \ifHy@nesting
17575 \hyper@@anchor{#1}{#2}%
17576 \else
17577 \Hy@raisedlink{%
17578 \hyper@@anchor{#1}{\relax}%
17579 }%
17580 \def\@currentHref{#1}%
17581 \let\@currentlabelname\@empty
17582 #2%
17583 \fi
17584 }%
17585 }%
17586 }-{}%
17587 \@ifpackageloaded{bidipoem}{%
17588 \long\def\bidipoem@p@ftntext#1{%
17589 \edef\@temp#1{%
17590 \the\bidipoem@p@ftn
17591 \begingroup
17592 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17593 \noexpand\protected@xdef\noexpand\@thefnmark{%
17594 \noexpand\thempfn
17595 }%
17596 \noexpand\Hy@bidipoem@footnotetext{%
17597 \Hy@footnote@currentHref
17598 }%
17599 }%
17600 \global\bidipoem@p@ftn\expandafter{%
17601 \@temp#1}%
17602 \endgroup
17603 }%
17604 }%
17605 \long\def\Hy@bidipoem@footnotetext#1#2{%
17606 \H@@footnotetext{%
17607 \ifHy@nesting
17608 \hyper@@anchor{#1}{#2}%
17609 \else
17610 \Hy@raisedlink{%
17611 \hyper@@anchor{#1}{\relax}%
17612 }%
17613 \def\@currentHref{#1}%
17614 \let\@currentlabelname\@empty
17615 #2%
17616 \fi
17617 }%
17618 }%
17619 \long\def\bidipoem@p@LTRftntext#1{%
17620 \edef\@temp#1{%
17621 \the\bidipoem@p@ftn
17622 \begingroup
17623 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17624 \noexpand\protected@xdef\noexpand\@thefnmark{%
17625 \noexpand\thempfn
17626 }%

```



```

17627         \noexpand\Hy@bidipoem@LTRfootnotetext{%
17628             \Hy@footnote@currentHref
17629         }%
17630     }%
17631     \global\bidipoem@p@ftn\expandafter{%
17632         \@tempxi{#1}%
17633     \endgroup
17634 }%
17635 }%
17636 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
17637     \HLTR@@LTRfootnotetext{%
17638         \ifHy@nesting
17639             \hyper@@anchor{#1}{#2}%
17640         \else
17641             \Hy@raisedlink{%
17642                 \hyper@@anchor{#1}{\relax}%
17643             }%
17644             \def\@currentHref{#1}%
17645             \let\@currentlabelname\@empty
17646             #2%
17647         \fi
17648     }%
17649 }%
17650 \long\def\bidipoem@p@RTLftntext#1{%
17651     \edef\@tempxii{%
17652         \the\bidipoem@p@ftn
17653     \begingroup
17654         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
17655         \noexpand\protected@xdef\noexpand\@thefnmark{%
17656             \noexpand\thempfn
17657         }%
17658         \noexpand\Hy@bidipoem@RTLfootnotetext{%
17659             \Hy@footnote@currentHref
17660         }%
17661     }%
17662     \global\bidipoem@p@ftn\expandafter{%
17663         \@tempxii{#1}%
17664     \endgroup
17665 }%
17666 }%
17667 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
17668     \HRTL@@RTLfootnotetext{%
17669         \ifHy@nesting
17670             \hyper@@anchor{#1}{#2}%
17671         \else
17672             \Hy@raisedlink{%
17673                 \hyper@@anchor{#1}{\relax}%
17674             }%
17675             \def\@currentHref{#1}%
17676             \let\@currentlabelname\@empty
17677             #2%
17678         \fi
17679     }%
17680 }%

```



```

17681 }{}%
17682 \let\HyOrg@maketitle\maketitle
17683 \def\maketitle{%
17684   \let\Hy@saved@footnotemark\@footnotemark
17685   \let\Hy@saved@footnotetext\@footnotetext
17686   \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
17687   \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
17688   \let\@footnotemark\H@\footnotemark
17689   \let\@footnotetext\H@\footnotetext
17690   \let\@RTLfootnotetext\HRTL@\@RTLfootnotetext
17691   \let\@LTRfootnotetext\HLTR@\@LTRfootnotetext
17692   \@ifnextchar[\Hy@maketitle@optarg{% ]
17693     \HyOrg@maketitle
17694     \Hy@maketitle@end
17695   }%
17696 }%
17697 \def\Hy@maketitle@optarg[#1]{%
17698   \HyOrg@maketitle[#{1}]%
17699   \Hy@maketitle@end
17700 }%
17701 \def\Hy@maketitle@end{%
17702   \ifx\@footnotemark\H@\footnotemark
17703     \let\@footnotemark\Hy@saved@footnotemark
17704     \fi
17705   \ifx\@footnotetext\H@\footnotetext
17706     \let\@footnotetext\Hy@saved@footnotetext
17707     \fi
17708   \ifx\@RTLfootnotetext\HRTL@\@RTLfootnotetext
17709     \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
17710     \fi
17711   \ifx\@LTRfootnotetext\HLTR@\@LTRfootnotetext
17712     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
17713     \fi
17714 }%
17715 \def\realfootnote{%
17716   \@ifnextchar[\@xfootnote{%
17717     \stepcounter{\@mpfn}%
17718     \protected@xdef\@thefnmark{\thempfn}%
17719     \H@\@footnotemark\H@\footnotetext
17720   }%
17721 }%
17722 \fi
17723 \def\Hy@BeginAnnot#1{%
17724   \ifmmode\else\beginL\fi%
17725   \global\advance\c@Hy@AnnotLevel\@ne
17726   \ifnum\c@Hy@AnnotLevel=\@ne
17727     #1%
17728   \fi
17729 }
17730 \def\Hy@EndAnnot{%
17731   \ifnum\c@Hy@AnnotLevel=\@ne
17732     \Hy@endcolorlink
17733     \@pdfm@mark{eann}%
17734   \fi

```



```

17735 \global\advance\c@Hy@AnnotLevel\m@ne
17736 \ifmmode\else\endL\fi%
17737 }
17738 \def\hyper@link#1#2#3{%
17739 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi%
17740 }
17741 \def\hyper@linkfile#1#2#3{%
17742 \leavevmode
17743 \Hy@BeginAnnot{%
17744 \def\Hy@pstringF{#2}%
17745 \Hy@CleanupFile\Hy@pstringF
17746 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
17747 \Hy@pstringdef\Hy@pstringD{#3}%
17748 \Hy@MakeRemoteAction
17749 \@pdfm@mark{%
17750 bann<<%
17751 /Type/Annot%
17752 /Subtype/Link%
17753 \ifHy@pdfa /F 4\fi
17754 \Hy@setpdfborder
17755 \ifx\@filebordercolor\relax
17756 \else
17757 /C[\@filebordercolor]%
17758 \fi
17759 /A<<%
17760 /S/GoToR%
17761 /F(\Hy@pstringF)%
17762 /D%
17763 \ifx\#3\%
17764 [\Hy@href@page\@pdfremotestartview]%
17765 \else
17766 (\Hy@pstringD)%
17767 \fi
17768 \Hy@SetNewWindow
17769 \Hy@href@nextactionraw
17770 >>%
17771 >>%
17772 }%
17773 \Hy@colorlink\@filecolor
17774 }%
17775 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17776 \Hy@EndAnnot
17777 }
17778 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
17779 \leavevmode
17780 \Hy@BeginAnnot{%
17781 \Hy@pstringdef\Hy@pstringF{#1}%
17782 \Hy@pstringdef\Hy@pstringP{#3}%
17783 \@pdfm@mark{%
17784 bann<<%
17785 /Type/Annot%
17786 /Subtype/Link%
17787 \ifHy@pdfa /F 4\fi
17788 \Hy@setpdfborder

```



```

17789     \ifx\@runbordercolor\relax
17790     \else
17791         /C[\@runbordercolor]%
17792     \fi
17793     /A<<%
17794         /F(\Hy@pstringF)%
17795         /S/Launch%
17796         \Hy@SetNewWindow
17797         \ifx\#3\%
17798         \else
17799             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
17800         \fi
17801         \Hy@href@nextactionraw
17802     >>%
17803 >>%
17804 }%
17805 \Hy@colorlink\@runcolor
17806 }%
17807 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17808 \Hy@EndAnnot
17809 }
17810 \def\hyper@linkurl#1#2{%
17811     \leavevmode
17812     \Hy@BeginAnnot{%
17813         \Hy@pstringdef\Hy@pstringURI{#2}%
17814         \@pdfm@mark{%
17815             bann<<%
17816                 /Type/Annot%
17817                 /Subtype/Link%
17818                 \ifHy@pdfa /F 4\fi
17819                 \Hy@setpdfborder
17820                 \ifx\@urlbordercolor\relax
17821                 \else
17822                     /C[\@urlbordercolor]%
17823                 \fi
17824                 /A<<%
17825                 /S/URI%
17826                 /URI(\Hy@pstringURI)%
17827                 \ifHy@href@ismap
17828                 /IsMap true%
17829                 \fi
17830                 \Hy@href@nextactionraw
17831             >>%
17832         >>%
17833     }%
17834     \Hy@colorlink\@urlcolor
17835 }%
17836 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17837 \Hy@EndAnnot
17838 }
17839 \def\Acrobatmenu#1#2{%
17840     \Hy@Acrobatmenu{#1}{#2}{%
17841         \Hy@BeginAnnot{%
17842             \EdefEscapeName\Hy@temp@menu{#1}%

```



```

17843 \pdfmark{%
17844   bann<<%
17845     /Type/Annot%
17846     /Subtype/Link%
17847     \ifHy@pdfa /F 4\fi
17848     \Hy@setpdfborder
17849     \ifx\@menubordercolor\relax
17850     \else
17851       /C[\@menubordercolor]%
17852     \fi
17853     /A<<%
17854     /S/Named%
17855     /N/\Hy@temp@menu
17856     \Hy@href@nextactionraw
17857     >>%
17858   >>%
17859   }%
17860   \Hy@colorlink\@menucolor
17861   }%
17862   \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
17863   \Hy@EndAnnot
17864 }%
17865 }
17866 \def\hyper@natlinkstart#1{%
17867   \Hy@backout{#1}%
17868   \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
17869   \def\hyper@nat@current{#1}%
17870 }
17871 \def\hyper@natlinkend{%
17872   \if@RTL\endR\fi\hyper@linkend
17873 }
17874 \def\hyper@natlinkbreak#1#2{%
17875   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
17876 }%
17877 }
17878 \pdfstringdefDisableCommands{%
17879   \let\LRE\@firstofone
17880   \let\LR\@firstofone
17881   \let\RLE\@firstofone
17882   \let\RL\@firstofone
17883   \def\XeTeX{Xe\TeX}%
17884   \def\XeLaTeX{Xe\LaTeX}%
17885 }
17886 \ifpackageloaded{longtable}{%
17887   \begingroup
17888     \def\y{\LT@array}%
17889     \@ifundefined{scr@LT@array}{%
17890       \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
17891     }{\def\y{\scr@LT@array}}%
17892     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
17893       \expandafter\endgroup
17894       \expandafter\def\y[##1]##2{%
17895         \H@refstepcounter{#1}%
17896         \hyper@makecurrent{table}%

```



```

17897     \let\Hy@LT@currentHref\@currentHref
17898     #2\@sharp#####4%
17899     }%
17900     }%
17901 \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
17902 \begingroup
17903   \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
17904     \endgroup
17905     \def\LT@start{%
17906       #1%
17907       \ifvoid\LT@foot#2\fi
17908       \let\@currentHref\Hy@LT@currentHref
17909       \Hy@raisedlink{%
17910         \hyper@anchorstart{\@currentHref}\hyper@anchorend
17911       }%
17912       #3%
17913     }%
17914     }%
17915 \expandafter\x\LT@start\@nil
17916 }{}
17917 \bidi@patchcmd\@TextField{%
17918   \@pdfm@mark
17919 }{}%
17920 \if@RTL
17921   \hskip\Fld@width
17922 \fi
17923 \@pdfm@mark
17924 }{}{}
17925 \bidi@patchcmd\@TextField{%
17926   \unhbox
17927 }{}%
17928 \if@RTL
17929   \hskip-\Fld@width
17930 \fi
17931 \unhbox
17932 }{}{}
17933 \bidi@patchcmd\@@Radio{%
17934   \@pdfm@mark
17935 }{}%
17936 \if@RTL
17937   \hskip\Fld@width
17938 \fi
17939 \@pdfm@mark
17940 }{}{}
17941 \bidi@patchcmd\@@Radio{%
17942   \unhcopy
17943 }{}%
17944 \if@RTL
17945   \hskip-\Fld@width
17946 \fi
17947 \unhcopy
17948 }{}{}
17949 \bidi@patchcmd\@Submit{%
17950   \@pdfm@mark

```



```

17951 }{%
17952 \if@RTL
17953 \null
17954 \hskip\wd\pdfm@box
17955 \fi
17956 \@pdfm@mark
17957 }{}{}
17958 \bidi@patchcmd\@Submit{%
17959 \unhbox
17960 }{%
17961 \if@RTL
17962 \hskip-\wd\pdfm@box
17963 \fi
17964 \unhbox
17965 }{}{}
17966 \bidi@patchcmd\@Reset{%
17967 \@pdfm@mark
17968 }{%
17969 \if@RTL
17970 \null
17971 \hskip\wd\pdfm@box
17972 \fi
17973 \@pdfm@mark
17974 }{}{}
17975 \bidi@patchcmd\@Reset{%
17976 \unhbox
17977 }{%
17978 \if@RTL
17979 \hskip-\wd\pdfm@box
17980 \fi
17981 \unhbox
17982 }{}{}

```

103 File `imsproc-xetex-bidi.def`

```

17983 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class for
17984 \newenvironment{thebibliography}[1]{%
17985 \@bibtitlestyle
17986 \normalfont\bibliofont\labelsep .5em\relax
17987 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
17988 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17989 \bidi@thebibliography@font@hook
17990 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
17991 \leftmargin\labelwidth \advance\leftmargin\labelsep
17992 \usecounter{enumiv}}%
17993 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
17994 \sfcode`\.=\@m
17995 }{%
17996 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
17997 \endlist
17998 }
17999
18000 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
18001 \columnseprule\z@ \columnsep 35\p@

```




```

18002 \@indextitlestyle
18003 \thispagestyle{plain}%
18004 \let\item\@idxitem
18005 \parindent\z@ \parskip\z@\@plus.3\p@\relax
18006 \if@RTL\raggedleft\else\raggedright\fi
18007 \hyphenpenalty\@M
18008 \footnotesize}
18009 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
18010 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
18011 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
18012
18013 \def\right@footnoterule{%
18014 \kern-.4\p@
18015 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
18016 \kern11p@\kern-\footnotesep}
18017 \def\left@footnoterule{\kern-.4\p@
18018 \hrule\@width 5pc\kern11p@\kern-\footnotesep}
18019 \def\@makefnmark{%
18020 \leavevmode
18021 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
18022 }
18023
18024 \def\part{\@startsection{part}{0}%
18025 \z@\linespacing\@plus\linespacing}{.5\linespacing}%
18026 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
18027 \def\@tocline#1#2#3#4#5#6#7{\relax
18028 \ifnum #1>\c@tocdepth % then omit
18029 \else
18030 \par \addpenalty\@secpenalty\addvspace{#2}%
18031 \begingroup \hyphenpenalty\@M
18032 \@ifempty{#4}{%
18033 \@tempdima\c@tocindent\number#1\endcsname\relax
18034 }{%
18035 \@tempdima#4\relax
18036 }%
18037 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi
18038 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
18039 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
18040 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
18041 \nobreak
18042 \endgroup
18043 \fi}
18044 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
18045 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
18046 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
18047 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
18048 \def\maketitle{\par
18049 \@topnum\z@ % this prevents figures from falling at the top of page 1
18050 \@setcopyright
18051 \thispagestyle{firstpage}% this sets first page specifications
18052 \uppercase\nonmath\shorttitle
18053 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
18054 \else \andify\shortauthors
18055 \fi

```



```

18056 \@maketitle@hook
18057 \begingroup
18058 \@maketitle
18059 \toks@{\xp{\shortauthors}\@temptokena\@xp{\shorttitle}}%
18060 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
18061 \edef\@tempa{%
18062   \@nx\markboth{\the\toks4
18063     \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
18064 \@tempa
18065 \endgroup
18066 \c@footnote\z@
18067 \@cleartopmattertags
18068 }

```

104 File leqno-xetex-bidi.def

```

18069 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
18070 \renewcommand\@eqnnum{\hbxt@.01\p@{}}%
18071   \rlap{\hskip -\displaywidth
18072     {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}

```

105 File letter-xetex-bidi.def

```

18073 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
18074 \renewcommand*\@opening[1]{\ifx\@empty\fromaddress
18075   \thispagestyle{firstpage}%
18076   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
18077 \else % home address
18078   \thispagestyle{empty}%
18079   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r{}}\else\begin{tabular}{l{}}
18080     \fromaddress \*[2\parskip]%
18081     \@date \end{tabular}\par}%
18082 \fi
18083 \vspace{2\parskip}%
18084 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
18085 \vspace{2\parskip}%
18086 #1\par\nobreak}
18087 \renewcommand\left@footnoterule{%
18088   \kern-\p@
18089   \hrule \@width .4\columnwidth
18090   \kern .6\p@}
18091 \renewcommand\right@footnoterule{%
18092   \kern-\p@
18093   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18094   \kern .6\p@}

```

106 File lettrine-xetex-bidi.def

```

18095 \ProvidesFile{lettrine-xetex-bidi.def}[2024/12/08 v0.9 bidi adaptations for lettrine package]
18096 \RemoveFromHook{begindocument}[lettrine]
18097 \AtBeginDocument [lettrine]{%
18098   \if\DefaultOptionsFile\relax
18099   \else
18100     \InputIfFileExists{\DefaultOptionsFile}%

```



```

18101     {}%
18102     {\PackageWarning{lettrine.sty}%
18103       {File \DefaultOptionsFile\space not found}%
18104     }%
18105     \fi
18106     \let\ifL@RTL\if@RTL
18107 }

```

107 File `lineno-xetex-bidi.def`

```

18108 \ProvidesFile{lineno-xetex-bidi.def}[2024/12/07 v0.3 bidi adaptations for lineno package for
18109 \bidi@patchcmd{\MakeLineNo}{%
18110   \hb@xt@ \z@{\makeLineNumber}%
18111 }{%
18112   \hboxL to \z@{\makeLineNumber}%
18113 }{}{}
18114
18115 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
18116   \if@RTL
18117     \hb@xt@ \linewidth{\LineNumber\hss}%
18118   \else
18119     \LineNumber
18120   \fi
18121 }{}{}
18122
18123 \bidi@patchcmd{\makeLineNumberRight}{%
18124   \hb@xt@ \linewidth{\hss\LineNumber}%
18125 }{%
18126   \if@RTL
18127     \LineNumber
18128   \else
18129     \hb@xt@ \linewidth{\hss\LineNumber}%
18130   \fi
18131 }{}{}
18132
18133 \bidi@AfterPreamble{%
18134   \if@RTLmain
18135     \rightlinenumbers*
18136   \else
18137     \leftlinenumbers*
18138   \fi
18139   \@ifpackagewith{lineno}{left}{%
18140     \leftlinenumbers*
18141   }{}
18142   \@ifpackagewith{lineno}{right}{%
18143     \rightlinenumbers*
18144   }{}
18145   \@ifpackagewith{lineno}{switch}{%
18146     \if@RTLmain
18147       \switchlinenumbers*%
18148     \else
18149       \switchlinenumbers
18150     \fi
18151   }{}

```



```

18152 \@ifpackagewith{lineno}{switch*}{%
18153   \if@RTLmain
18154     \switchlinenumbers
18155   \else
18156     \switchlinenumbers*%
18157   \fi
18158 }{}
18159 }
18160

```

108 File listings-xetex-bidi.def

```

18161 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
18162 \lst@Key{captiondirection}{textdirection}{%
18163   \lstKV@SwitchCases{#1}%
18164   {textdirection:\\%
18165     RTL:\chardef\bidi@lst@caption@direction\@ne\\%
18166     LTR:\chardef\bidi@lst@caption@direction\z@%
18167   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
18168
18169 \lst@Key{captionscript}{textscript}{%
18170   \lstKV@SwitchCases{#1}%
18171   {textscript:\\%
18172     latin:\chardef\bidi@lst@caption@script\@ne\\%
18173     nonlatin:\chardef\bidi@lst@caption@script\z@%
18174   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
18175
18176 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
18177   \@ifundefined{bidi@lst@caption@direction}{}{%
18178     \ifnum\bidi@lst@caption@direction=\z@%
18179       #1%
18180     \else%
18181       \ifnum\bidi@lst@caption@direction=\@ne%
18182         #2%
18183       \fi%
18184     \fi%
18185   }}
18186
18187 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
18188   \@ifundefined{bidi@lst@caption@script}{}{%
18189     \ifnum\bidi@lst@caption@script=\z@%
18190       #1%
18191     \else%
18192       \ifnum\bidi@lst@caption@script=\@ne%
18193         #2%
18194       \fi%
18195     \fi%
18196   }}
18197
18198 \long\def\@bidi@lst@makecaption#1#2{%
18199   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18200   \vskip\abovcaptionskip
18201   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18202   \sbox\@tempboxa{%

```



```

18203 \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
18204 #1: #2%
18205 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
18206 }%
18207 \ifdim \wd\@tempboxa >\hsize
18208 #1: #2\par
18209 \else
18210 \global \@minipagefalse
18211 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
18212 \fi
18213 \vskip\belowcaptionskip}%
18214 \def\lst@makecaption{\@bidi@lst@makecaption}
18215 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
18216 \bidi@AtEndPreamble{%
18217 \bidi@patchcmd{\lst@MakeCaption}{%
18218 \ifx #1%
18219 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
18220 \expandafter\refstepcounter
18221 \fi {lstlisting}%
18222 }{%
18223 \ifx #1%
18224 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18225 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
18226 \expandafter\refstepcounter
18227 \fi {lstlisting}%
18228 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
18229 }-}%
18230 \bidi@patchcmd{\lst@MakeCaption}{%
18231 \addcontentsline{lol}{lstlisting}%
18232 {\protect\numberline{\thelstlisting}\lst@@caption}%
18233 }{%
18234 \begingroup%
18235 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18236 \addcontentsline{lol}{lstlisting}%
18237 {\protect\numberline{\thelstlisting}\lst@@caption}%
18238 \endgroup%
18239 }-}%
18240 }
18241 \@ifpackageloaded{caption}{%
18242 \AtBeginCaption{%
18243 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
18244 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
18245 }
18246 \let\@bidi@lst@makecaption\caption@makecaption%
18247 \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
18248 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
18249 }-}%
18250 \AtBeginDocument{%
18251 \@ifundefined{captionlabelfalse}{-}%
18252 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
18253 \@ifundefined{captionstartrue}{-}%
18254 \def\lst@maketitle{\captionstartrue\@bidi@lst@makecaption\@empty}}%
18255 }%
18256 }

```



```

18257 \AtBeginDocument{
18258   \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
18259   \lst@ifnumberbychapter
18260     \gdef\thelstlisting%
18261       {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
18262   \else
18263     \gdef\thelstlisting{\@arabic\c@lstlisting}
18264   \fi}

```

109 File loadingorder-xetex-bidi.def

```

18265 \ProvidesFile{loadingorder-xetex-bidi.def}[2024/12/08 v0.99 making sure that bidi is the las
18266 \bidi@isloaded{amsmath}
18267 \bidi@isloaded{amstext}
18268 \bidi@isloaded{amsthm}
18269 \bidi@isloaded{animate}
18270 \bidi@isloaded{breqn}
18271 \bidi@isloaded{cals}
18272 \bidi@isloaded{caption}
18273 \bidi@isloaded{crop}
18274 \bidi@isloaded{cuted}
18275 \bidi@isloaded{cutwin}
18276 \bidi@isloaded{color}
18277 \bidi@isloaded{dblfnote}
18278 \bidi@isloaded{diagbox}
18279 \bidi@isloaded{xcolor}
18280 \bidi@isloaded{colortbl}
18281 \bidi@isloaded{float}
18282 \bidi@isloaded{floatrow}
18283 \bidi@isloaded{flowfram}
18284 \bidi@isloaded{framed}
18285 \bidi@isloaded{ftnright}
18286 \bidi@isloaded{xltextra}
18287 \bidi@isloaded{xunicode}
18288 \bidi@isloaded{wrapfig}
18289 \bidi@isloaded{graphicx}
18290 \bidi@isloaded{geometry}
18291 \bidi@isloaded{hvfloat}
18292 \bidi@isloaded{mdframed}
18293 \bidi@isloaded{midfloat}
18294 \bidi@isloaded{ntheorem}
18295 \bidi@isloaded{ntheorem-hyper}
18296 \bidi@isloaded{hyperref}
18297 \bidi@isloaded{fancybox}
18298 \bidi@isloaded{fancyhdr}
18299 \bidi@isloaded{fix2col}
18300 \bidi@isloaded{draftwatermark}
18301 \bidi@isloaded{empheq}
18302 \bidi@isloaded{overpic}
18303 \bidi@isloaded{pdfpages}
18304 \bidi@isloaded{listings}
18305 \bidi@isloaded{lettrine}
18306 \bidi@isloaded{lineno}
18307 \bidi@isloaded{media9}

```



```

18308 \bidi@isloaded{pstricks}
18309 \bidi@isloaded{pgf}
18310 \bidi@isloaded{picinpar}
18311 \bidi@isloaded{quotchap}
18312 \bidi@isloaded{tikz}
18313 \bidi@isloaded{titlesec}
18314 \bidi@isloaded{titletoc}
18315 \bidi@isloaded{array}
18316 \bidi@isloaded{soul}
18317 \bidi@isloaded{stabular}
18318 \bidi@isloaded{subfig}
18319 \bidi@isloaded{subfigure}
18320 \bidi@isloaded{supertabular}
18321 \bidi@isloaded{xtab}
18322 \bidi@isloaded{longtable}
18323 \bidi@isloaded{arydshln}
18324 \bidi@isloaded{multicol}
18325 \bidi@isloaded{multienum}
18326 \bidi@isloaded{minitoc}
18327 \bidi@isloaded{natbib}
18328 \bidi@isloaded{newfloat}
18329 \bidi@isloaded{ragged2e}
18330 \bidi@isloaded{rotating}
18331 \bidi@isloaded{tabls}
18332 \bidi@isloaded{tabulary}
18333 \bidi@isloaded{tocbasic}
18334 \bidi@isloaded{tocstyle}
18335 \bidi@isloaded{tocbibind}
18336 \bidi@isloaded{fontspec}
18337 \bidi@isloaded{arabxetex}
18338 \bidi@isloaded{polyglossia}
18339 \bidi@isloaded{fancyvrb}
18340 \AtBeginDocument{
18341   \if@bidi@amsmathloaded@else
18342     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi pack
18343   \fi%
18344     \if@bidi@amstextloaded@else
18345     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi pack
18346   \fi%
18347   \if@bidi@amsthmloaded@else
18348     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packa
18349   \fi%
18350   \if@bidi@animateloaded@else
18351     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi pack
18352   \fi%
18353   \if@bidi@breqnloaded@else
18354     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packag
18355   \fi%
18356     \if@bidi@calsloaded@else
18357     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package
18358   \fi%
18359   \if@bidi@captionloaded@else
18360     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi pack
18361   \fi%

```



```

18362 \if@bidi@croploaded@\else
18363   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package
18364 \fi%
18365 \if@bidi@colorloaded@\else
18366 \@ifpackageloaded{hyperref}{-}{%
18367   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package
18368 \fi%
18369 \if@bidi@cutwinloaded@\else
18370   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packa
18371 \fi%
18372 \if@bidi@cutedloaded@\else
18373   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package
18374 \fi%
18375 \if@bidi@dblfnote@loaded@\else
18376   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pac
18377 \fi%
18378 \if@bidi@diagboxloaded@\else
18379   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pack
18380 \fi%
18381 \if@bidi@xcolorloaded@\else
18382   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packa
18383 \fi%
18384 \if@bidi@colortblloaded@\else
18385   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pac
18386 \fi%
18387 \if@bidi@floatloaded@\else
18388   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packag
18389 \fi%
18390 \if@bidi@floatrowloaded@\else
18391   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pac
18392 \fi%
18393 \if@bidi@flowframloaded@\else
18394   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pac
18395 \fi%
18396 \if@bidi@framedloaded@\else
18397   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packa
18398 \fi%
18399 \if@bidi@ftnrightloaded@\else
18400   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pac
18401 \fi%
18402 \if@bidi@xltxtraloaded@\else
18403   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi pack
18404 \fi%
18405 \if@bidi@xunicodeloaded@\else
18406   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pac
18407 \fi%
18408 \if@bidi@wrapfigloaded@\else
18409   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pack
18410 \fi%
18411 \if@bidi@graphicxloaded@\else
18412   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pac
18413 \fi%
18414 \if@bidi@geometryloaded@\else
18415   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pac

```




```

18416 \fi%
18417 \if@bidi@hvfloatloaded@else
18418 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pack
18419 \fi%
18420 \if@bidi@mdframedloaded@else
18421 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pac
18422 \fi%
18423 \if@bidi@midfloatloaded@else
18424 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pac
18425 \fi%
18426 \if@bidi@theoremloaded@else
18427 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pac
18428 \fi%
18429 \if@bidi@hyperrefloaded@else
18430 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pac
18431 \fi%
18432 \if@bidi@fancyboxloaded@else
18433 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pac
18434 \fi%
18435 \if@bidi@fancyhdrloaded@else
18436 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pac
18437 \fi%
18438 \if@bidi@draftwatermarkloaded@else
18439 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bi
18440 \fi%
18441 \if@bidi@empheqloaded@else
18442 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packa
18443 \fi%
18444 \if@bidi@overpicloaded@else
18445 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pack
18446 \fi%
18447 \if@bidi@pdfpagesloaded@else
18448 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pac
18449 \fi%
18450 \if@bidi@lettrineloaded@else
18451 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pac
18452 \fi%
18453 \if@bidi@linenoloaded@else
18454 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi packa
18455 \fi%
18456 \if@bidi@listingsloaded@else
18457 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pac
18458 \fi%
18459 \csname if@bidi@media9loaded@endcsname\else
18460 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packa
18461 \fi%
18462 \if@bidi@pstricksloaded@else
18463 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pac
18464 \fi%
18465 \if@bidi@pgfloaded@else
18466 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
18467 \fi%
18468 \if@bidi@picinparloaded@else
18469 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pac

```



```

18470 \fi%
18471 \if@bidi@quotchaploaded@else
18472   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pac
18473 \fi%
18474 \if@bidi@tikzloaded@else
18475   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package
18476 \fi%
18477 \if@bidi@titlesecloaded@else
18478   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pac
18479 \fi%
18480 \if@bidi@titletocloaded@else
18481   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pac
18482 \fi%
18483 \if@bidi@arrayloaded@else
18484   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packag
18485 \fi%
18486 \if@bidi@stabularloaded@else
18487   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pac
18488 \fi%
18489 \if@bidi@soulloaded@else
18490   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package
18491 \fi%
18492 \if@bidi@subfigloaded@else
18493   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi packa
18494 \fi%
18495 \if@bidi@subfigureloaded@else
18496   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pa
18497 \fi%
18498 \if@bidi@supertabularloaded@else
18499   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi
18500 \fi%
18501 \if@bidi@xtabloaded@else
18502   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package
18503 \fi%
18504 \if@bidi@longtableloaded@else
18505   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pa
18506 \fi%
18507 \if@bidi@arydshlnloaded@else
18508   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pac
18509 \fi%
18510 \if@bidi@multicolloaded@else
18511   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pac
18512 \fi%
18513 \if@bidi@multienumloaded@else
18514   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pa
18515 \fi%
18516 \if@bidi@minitocloaded@else
18517   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi pack
18518 \fi%
18519 \if@bidi@natbibloaded@else
18520   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packa
18521 \fi%
18522 \if@bidi@newfloatloaded@else
18523   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pac

```



```

18524 \fi%
18525 \csname if@bidi@ragged2eloaded@endcsname\else
18526   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pac
18527 \fi%
18528   \if@bidi@rotatingloaded@else
18529   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pac
18530 \fi%
18531 \if@bidi@tblsloaded@else
18532   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi packag
18533 \fi%
18534 \if@bidi@tabularyloaded@else
18535   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pac
18536 \fi%
18537 \if@bidi@tocbasicloaded@else
18538   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pac
18539 \fi%
18540 \if@bidi@tocstyleloaded@else
18541   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pac
18542 \fi%
18543 \if@bidi@tocbibindloaded@else
18544   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pa
18545 \fi%
18546 \if@bidi@fontspecloaded@else
18547   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pac
18548 \fi%
18549 \if@bidi@arabxetexloaded@else
18550   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pa
18551 \fi%
18552 \if@bidi@polyglossialoaded@else
18553   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi
18554 \fi%
18555 \if@bidi@fancyvrbloaded@else
18556   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pac
18557 \fi%
18558 }

```

110 File longtable-xetex-bidi.def

```

18559 \ProvidesFile{longtable-xetex-bidi.def}[2022/05/20 v0.6 bidi adaptations for longtable packa
18560 \def\LT@array[#1]#2{%
18561   \refstepcounter{table}\stepcounter{LT@tables}%
18562   \if l#1%
18563     \if@RTLtab\LTleft\fill \LTright\z@else\LTleft\z@ \LTright\fill\fi
18564   \else\if r#1%
18565     \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
18566   \else\if c#1%
18567     \LTleft\fill \LTright\fill
18568   \fi\fi\fi
18569   \let\LT@mc\multicolumn
18570   \let\LT@@tabarray\@tabarray
18571   \let\LT@@hl\hline
18572   \def\@tabarray{%
18573     \let\hline\LT@@hl
18574     \LT@@tabarray}%

```



```

18575 \let\\LT@tabularcr\let\tabularnewline\\%
18576 \def\newpage{\noalign{\break}}%
18577 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{LT@no@pgbk-}4}%
18578 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{LT@no@pgbk4}}%
18579 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
18580 \@tempdima\ht\strutbox
18581 \let\@endpbox\LT@endpbox
18582 \ifx\extrarowheight\@undefined
18583 \let\@acol\@tabacol
18584 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
18585 \def\@startpbox{\vtop\LT@startpbox}%
18586 \let\@@startpbox\@startpbox
18587 \let\@@endpbox\@endpbox
18588 \let\LT@LL@FM@cr\@tabularcr
18589 \else
18590 \advance\@tempdima\extrarowheight
18591 \col@sep\tabcolsep
18592 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
18593 \fi
18594 \setbox\@arstrutbox\hbox{\vrule
18595 \@height \arraystretch \@tempdima
18596 \@depth \arraystretch \dp \strutbox
18597 \@width \z@}%
18598 \let\@sharp#\let\protect\relax
18599 \begingroup
18600 \mkpream{#2}%
18601 \xdef\LT@bchunk{%
18602 \global\advance\c@LT@chunks\@ne
18603 \global\LT@rows\z@\setbox\z@\vbox\bgroup
18604 \LT@setprevdepth
18605 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
18606 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
18607 \endgroup
18608 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
18609 \LT@make@row
18610 \m@th\let\par\@empty
18611 \everycr{\lineskip\z@\baselineskip\z@
18612 \LT@bchunk}
18613 \def\LT@makecaption#1#2#3{%
18614 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
18615 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
18616 \ifdim\wd\@tempboxa>\hsize
18617 #1{#2: }#3%
18618 \else
18619 \hbox to\hsize{\hfil\box\@tempboxa\hfil}}%
18620 \fi
18621 \endgraf\vskip\baselineskip}%
18622 \hss}}
18623 \ifpackageloaded{caption}{%
18624 \renewcommand\LT@makecaption[3]{%
18625 \caption@LT@make{%
18626 \caption@LT@settype\LTcaption
18627 \caption@LT@setup
18628 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%

```



```

18629     \caption@starttrue#1\caption@starfalse
18630     \caption@prepare@stepcounter\LTcaption
18631     \caption@begin\LTcaption
18632         \caption@normalsize
18633         \vskip-\ht\strutbox
18634         \caption@ifdefined\FBifcaptop{%
18635             \let\caption@belowskip\@empty}{}%
18636         \caption@make@above
18637         \caption@@make{#2}{#3}\endgraf
18638         \caption@make@below
18639     \caption@end}}%
18640 }{}
18641 \def\LT@startpbox#1{%
18642     \bgroup\color@begingroup
18643         \let\@footnotetext\LT@p@ftntext
18644         \let\@LTRfootnotetext\LT@p@LTRftntext
18645         \let\@RTLfootnotetext\LT@p@RTLftntext
18646         \setlength\hsize{#1}%
18647         \@arrayparboxrestore
18648         \vrule \@height \ht\@arstrutbox \@width \z@}
18649 \def\LT@p@LTRftntext#1{%
18650     \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext [\the\c@footnote]}}%
18651     \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18652 \def\LT@p@RTLftntext#1{%
18653     \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext [\the\c@footnote]}}%
18654     \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
18655
18656
18657 \def\LT@output{%
18658     \ifnum\outputpenalty <-\@Mi
18659         \ifnum\outputpenalty > -\LT@end@pen
18660             \LT@err{floats and marginpars not allowed in a longtable}\@ehc
18661         \else
18662             \setbox\z@\vbox{\unvbox\@cclv}%
18663             \ifdim \ht\LT@lastfoot>\ht\LT@foot
18664                 \dimen@\pagegoal
18665                 \advance\dimen@-\ht\LT@lastfoot
18666                 \ifdim\dimen@<\ht\z@
18667                     \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
18668                     \@makecol
18669                     \@outputpage
18670                     \setbox\z@\vbox{\box\LT@head}%
18671                 \fi
18672             \fi
18673             \global\@colroom\@colht
18674             \global\vsizel\@colht
18675             \vbox
18676                 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@fo
18677             \fi
18678         \else
18679             \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@fo
18680             \@makecol
18681             \@outputpage
18682             \global\vsizel\@colroom

```



```

18683 \copy\LT@head\nobreak
18684 \fi}

```

111 File `lscapexetex-bidi.def`

```

18685 \ProvidesFile{lscapexetex-bidi.def}[2022/07/14 v0.2 bidi adaptations for lscapex package for
18686 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
18687 \if@RTL
18688 \rotatebox[origin=br]{-90}{\box\@outputbox}%
18689 \else
18690 \rotatebox{90}{\box\@outputbox}%
18691 \fi
18692 }{}{}
18693
18694 \g@addto@macro{\landscape}{%
18695 \if@bidi@csdef{bidi@columnwidth}{%
18696 \bidi@columnwidth\columnwidth
18697 }{}%
18698 \let\bidi@left@footnoterule\left@footnoterule
18699 \let\bidi@right@footnoterule\right@footnoterule
18700 \def\left@footnoterule{%
18701 \if@RTL
18702 \bidi@right@footnoterule
18703 \else
18704 \bidi@left@footnoterule
18705 \fi
18706 }%
18707 \def\right@footnoterule{%
18708 \if@RTL
18709 \bidi@left@footnoterule
18710 \else
18711 \bidi@right@footnoterule
18712 \fi
18713 }%
18714 }

```

112 File `mathtoolsexetex-bidi.def`

```

18715 \ProvidesFile{mathtoolsexetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools packa
18716 \MHInternalSyntaxOn
18717 \def\MT_define_tagform:nwnn #1[#2]#3#4{
18718 \@namedef{MT_tagform_#1:n}##1
18719 {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4}
18720 }
18721 \renewtagform{default}{({})}
18722 \MHInternalSyntaxOff

```

113 File `mdframedxetex-bidi.def`

```

18723 \ProvidesFile{mdframedxetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package
18724 \newif\if@bidi@mdf@RTL
18725 \def\mdf@lrbox#1{%
18726 \mdf@patchamsthm%patch amsthm
18727 \if@RTL\@bidi@mdf@RTLtrue\fi%

```



```

18728 \RTLfalse%
18729 \setbox#1\vbox\bgroup%
18730 \color@begingroup%
18731 \if@bidi@mdf@RTL\@RTLtrue\fi%
18732 \mdf@horizontalmargin@equation%
18733 \columnwidth=\hsize%
18734 \textwidth=\hsize%
18735 \let\if@nobreak\iffalse%
18736 \let\if@noskipsec\iffalse%
18737 \let\par\@par%
18738 \let\-\@dischph%
18739 \let'\@acci\let`\@accii\let=\@acciii%
18740 \parindent\z@ \parskip\z@skip%
18741 \linewidth\hsize%
18742 \@totalleftmargin\z@%
18743 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
18744 \parfillskip\@flushglue \lineskip\normallineskip%
18745 \baselineskip\normalbaselineskip%
18746 %% \sloppy%
18747 \let\\\@normalcr%
18748 \mdf@par@local%New feature to restore parskip/parindent local in save box
18749 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
18750 \@afterindentfalse%
18751 %\@afterheading%
18752 }
18753 \renewrobustcmd\mdfframedtitleenv[1]{%
18754 \mdf@lrbox{\mdf@frametitlebox}%
18755 \mdf@frametitlealignment%
18756 \leavevmode{\color{\mdf@frametitlefontcolor}%
18757 \normalfont\mdf@frametitlefont{#1}
18758 \ifbool{mdf@ignorelastdescenders}%
18759 {%
18760 \par\strut\par
18761 \unskip\unskip\setbox0=\lastbox
18762 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
18763 }{}}%
18764 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
18765 \endmdf@lrbox\relax%
18766 \mdf@ignorevbadness%
18767 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
18768 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
18769 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
18770 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
18771 \mdfframetitleboxtotalheight=\dimexpr
18772 \ht\mdf@frametitlebox
18773 +\dp\mdf@frametitlebox%
18774 +\mdf@frametitleaboveskip@length
18775 +\mdf@frametitlebelowskip@length
18776 \relax%
18777 }
18778
18779 \renewrobustcmd*\mdf@footnoteoutput{%
18780 \ifvoid\@mpfootins\else%
18781 \nobreak%

```



```

18782         \vskip\mdf@footnotedistance@length%
18783         \normalcolor%
18784         \bidi@mpfootnoterule%
18785         \unvbox\@mpfootins%
18786     \fi%
18787 }
18788
18789
18790 \renewrobustcmd*\mdf@footnoteinput{%
18791     \def\@mpfn{mpfootnote}%
18792     \def\thempfn{\thempfootnote}%
18793     \c@mpfootnote\z@%
18794     \let\@footnotetext\@mpfootnotetext%
18795     \let\@LTRfootnotetext\@mpLTRfootnotetext%
18796     \let\@RTLfootnotetext\@mpRTLfootnotetext%
18797 }

```

114 File bidi-media9.sty

```

18798 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
18799 {bidi fixes for media9 package for the XeTeX engine}
18800
18801 \keys_define:nn{media9/mbtn}{
18802   draft .code:n = {},
18803   final .code:n = {},
18804
18805   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
18806   tooltip .value_required:n = {true},
18807
18808   overface .code:n = {
18809     \sbox\l_mix_poster_box{
18810       \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18811       \mix_pdfxform:n{\l_mix_poster_box}
18812       \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
18813     },
18814     overface .value_required:n = {true},
18815
18816     downface .code:n = {
18817       \sbox\l_mix_poster_box{
18818         \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
18819         \mix_pdfxform:n{\l_mix_poster_box}
18820         \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
18821       },
18822       downface .value_required:n = {true},
18823
18824       3Dgotoview .code:n = {
18825         \tl_set:Nx\l_tmpa_tl{#1}           %extract ref
18826         \regex_replace_once:nnN{([\^:]+)??.*}{\1}\l_tmpa_tl
18827         \tl_trim_spaces:N\l_tmpa_tl
18828         \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18829           \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18830             \tl_set:Nx\l_tmpb_tl{#1}       %extract idx
18831             \regex_replace_once:nnN{([\^:]+:?)}{\1}\l_tmpb_tl
18832             \tl_trim_spaces:N\l_tmpb_tl

```




```

18833     \tl_if_blank:VF\l_tmpb_tl{
18834       \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
18835         \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
18836       }{
18837         \regex_match:nVTF{^\d+$}\l_tmpb_tl{
18838           \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
18839         }{
18840           \regex_replace_once:nnN{^\(s*\)}\l_tmpb_tl
18841           \regex_replace_once:nnN{s*\)}\l_tmpb_tl
18842           \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
18843         }
18844       }
18845     }
18846     \mix_pdfobj:nnn{}{dict}{
18847       /S/JavaScript/JS~(
18848         if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
18849         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18850           annotRM['\l_tmpa_tl']=
18851             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18852         }
18853         annotRM['\l_tmpa_tl'].activated=true;
18854       )
18855     \tl_if_blank:VF\l_tmpb_tl{
18856       /Next~<<
18857       /S/GoTo3DView
18858       /TA~\tl_use:c{ann@\l_tmpa_tl}
18859       /V\l_mix_vidx_tl
18860       >>
18861     }
18862   }
18863   \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18864 }
18865 }{
18866   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
18867   \cs_if_exist:NF\g_mix_refundefwarned_tl{
18868     \tl_new:N\g_mix_refundefwarned_tl
18869     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18870   }
18871 }
18872 },
18873 3Dgotoview .value_required:n = {true},
18874
18875 mediacommand .code:n = {
18876   \tl_set:Nx\l_tmpa_tl{#1}
18877   \regex_replace_once:nnN{([~:]+):??.*}{\1}\l_tmpa_tl %extract ref
18878   \tl_trim_spaces:N\l_tmpa_tl
18879   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
18880     \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
18881       \tl_set:Nx\l_tmpb_tl{#1}
18882       \regex_replace_once:nnN{[~:]+\:}{}\l_tmpb_tl
18883       \tl_trim_spaces:N\l_tmpb_tl
18884       \regex_replace_all:nnN{^\{|\}\$}{}\l_tmpb_tl
18885       \tl_set:Nx\l_mix_cmd_tl{
18886         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}

```



```

18887     \tl_trim_spaces:N\l_mix_cmd_tl
18888     \tl_set:Nx\l_mix_arg_tl{
18889       \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
18890     \tl_trim_spaces:N\l_mix_arg_tl
18891     \mix_pdfobj:nnn{}{dict}{
18892       /S/JavaScript/JS~(
18893         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18894         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18895           annotRM['\l_tmpa_tl']=
18896             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18897         }
18898         annotRM['\l_tmpa_tl'].activated=true;
18899       )
18900     \tl_if_blank:VF\l_mix_cmd_tl{
18901       /Next~<<
18902       /S/RichMediaExecute
18903       /TA~\tl_use:c{ann@\l_tmpa_tl}
18904       /TI~\tl_use:c{main@\l_tmpa_tl}
18905       /CMD~<<
18906       /C~(\l_mix_cmd_tl)
18907       \tl_if_blank:VF\l_mix_arg_tl{
18908         /A~[\l_mix_arg_tl]
18909       }
18910       >>
18911     }
18912   }
18913 }
18914 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18915 }
18916 }{
18917   \msg_warning:nxx{media9}{undefined-reference}{\l_tmpa_tl}
18918   \cs_if_exist:NF\g_mix_refundefwarned_tl{
18919     \tl_new:N\g_mix_refundefwarned_tl
18920     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18921   }
18922 }
18923 },
18924 mediacommand .value_required:n = {true},
18925
18926 jsaction .code:n = {
18927   \tl_set:Nx\l_tmpa_tl{#1}
18928   \regex_match:nVTF{^[^:]+.*$}\l_tmpa_tl{
18929     \regex_replace_once:nnN{([:]+):??.*}{\1}\l_tmpa_tl %extract ref
18930     \tl_trim_spaces:N\l_tmpa_tl
18931   }{\tl_clear:N\l_tmpa_tl}
18932   \tl_set:Nx\l_tmpb_tl{#1}
18933   \tl_if_blank:VF\l_tmpa_tl{
18934     \tl_if_exist:cF{ann@\l_tmpa_tl}{
18935       \msg_warning:nxx{media9}{undefined-reference}{\l_tmpa_tl}
18936       \cs_if_exist:NF\g_mix_refundefwarned_tl{
18937         \tl_new:N\g_mix_refundefwarned_tl
18938         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
18939       }
18940     }

```



```

18941     \regex_replace_once:nnN{[^\:]+\:}{\l_tmpb_tl
18942   }
18943   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
18944   \tl_trim_spaces:N\l_tmpb_tl
18945   \tl_if_blank:VF\l_tmpb_tl{
18946     \mix_pdfobj:nnn-}{dict}{
18947     /S/JavaScript/JS~(
18948       try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
18949   \bool_lazy_and:nnT{
18950     \tl_if_exist_p:c{ann@\l_tmpa_tl}
18951   }{
18952     !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18953   }{
18954     \mix_pdfobj:nnn-}{dict}{
18955     /S/JavaScript/JS~(
18956       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
18957       if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
18958         annotRM['\l_tmpa_tl']=
18959         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
18960       }
18961       annotRM['\l_tmpa_tl'].activated=true;
18962     )
18963     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
18964   }
18965   }
18966   \bool_if:nT{
18967     \bool_lazy_and_p:nn{
18968       \tl_if_exist_p:c{ann@\l_tmpa_tl}
18969     }{
18970       !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
18971     }
18972     || !\tl_if_blank_p:V\l_tmpb_tl
18973   }{
18974     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
18975   }
18976 },
18977 jsaction .value_required:n = {true},
18978
18979 unknown .code:n = {
18980   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
18981 }
18982 }
18983
18984 \RenewDocumentCommand\includemedia{0}{mm}{%#1 options, #2 text/image #3 media file
18985   \mix_uriend:
18986   \group_begin:
18987   \mix_beginLTR:
18988   \mode_leave_vertical:
18989   %empty stream as appearance dummy
18990   \cs_if_exist:NF\g_mix_appearance_tl{
18991     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
18992     \mix_pdfxform:n{\l_mix_poster_box}
18993     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
18994   }

```



```

18995 \mix_reset:
18996 \mix_urbegin: %treat URI characters correctly
18997 \keys_set:nn{media9/user}{#1}
18998 \mix_uriend:
18999 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
19000 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
19001 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}={=}
19002 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=}={=}
19003 \tl_gtrim_spaces:N\g_mix_flashvars_tl
19004
19005 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
19006
19007 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
19008 %\hbox_set:Nn\l_mix_poster_box{#2}
19009 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
19010 \mix_scale:n{\l_mix_poster_box}
19011 \bool_if:nTF{
19012   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
19013   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
19014 }{
19015   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
19016 }
19017 \bool_if:NTF\g_mix_usrdraft_bool{
19018   \tl_if_empty:NF\g_mix_usrlabel_tl{
19019     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
19020   }
19021   \tl_if_blank:oTF{#2}{
19022     \mix_urbegin: %treat URI characters correctly
19023     \mix_draftbox:n{\tl_to_str:n{#3}}
19024     \mix_uriend:
19025   }{
19026     \hbox_to_wd:nn{\g_mix_wd_tl}{
19027       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
19028     } \box_use:N\l_mix_poster_box\hss
19029   }
19030 }
19031 }{
19032   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
19033     %attach script that switches off play button overlay upon activation
19034     \mix_pdfobj:nnn{}{stream}{
19035       }{
19036         var~ocgs=host.getOCGs(host.pageNum);
19037         for(var~i=0;i<ocgs.length;i++){
19038           if(ocgs[i].name=='MediaPlayButton\int_use:N\g_mix_rmcnt_int'){
19039             ocgs[i].state=false;
19040           }
19041         }
19042       }
19043     }
19044     \mix_pdfobj:nnn{}{dict}{
19045       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
19046     }
19047     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
19048     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}

```



```

19049     %enforce plain playbutton overlay for XeTeX
19050     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
19051   }
19052   %embed main asset
19053   \mix_uribegin:
19054   \mix_embedasset:n{#3}
19055   \bool_if:nTF{
19056     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
19057   }{
19058     \bool_gset_true:N\g_mix_iiid_bool
19059     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
19060   }{
19061     \str_case_e:nnF{\l_mix_base_tl}{
19062       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
19063       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
19064       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
19065       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
19066       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
19067     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
19068   }
19069   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
19070   \mix_uriend:
19071   %secondary assets (added by addresource)
19072   \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
19073   \seq_map_inline:Nn\g_mix_script_seq{
19074     \mix_embedasset:n{##1}
19075     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
19076   }
19077   %attach 3D calculation script
19078   \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
19079     \mix_embedasset:n{3Dmenu.js}
19080     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
19081   }
19082   %create 3D views from file (option 3Dviews)
19083   \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
19084     \tl_set:Nn\l_mix_level_tl{-1}
19085     \int_zero:N\l_mix_viewcnt_int
19086     \int_zero:N\l_mix_lineno_int
19087
19088     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
19089     \ior_map_inline:Nn\l_mix_vfile_stream{
19090       \int_incr:N\l_mix_lineno_int
19091       \keys_set:nn{media9/views}{##1} %process input line
19092     }
19093     \ior_close:N\l_mix_vfile_stream
19094   }
19095   \bool_if:nT{ %create default 3D view if required
19096     \g_mix_iiid_bool &&
19097     (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
19098   }{
19099     \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
19100     \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
19101     \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
19102     \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl

```



```

19103     \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
19104     \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
19105     \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
19106
19107     \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
19108     \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
19109     \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
19110     \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
19111
19112     \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
19113     \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
19114     \tl_clear:N\l_mix_naarray_tl
19115
19116     \bool_if:NF\l_mix_ciiw_bool{
19117       \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
19118       \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
19119     }
19120
19121     \tl_clear:N\l_mix_naarray_tl
19122     \tl_clear:N\l_mix_saarray_tl
19123     \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
19124
19125     \mix_view:n{Default}
19126     \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
19127
19128   }
19129   \mix_pdfobj:nnn{}{dict}{
19130     /Type/RichMediaInstance
19131     /Subtype/\g_mix_mainassetsub_tl
19132     /Asset~\g_mix_mainasset_tl
19133     \bool_if:NF\g_mix_iiid_bool{
19134       /Params~<<
19135         /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
19136           /Foreground
19137         }{
19138           /Background
19139         }
19140         \tl_if_blank:VF\g_mix_flashvars_tl{
19141           /FlashVars~(\g_mix_flashvars_tl)
19142         }
19143       >>
19144     }
19145   }
19146   \tl_if_empty:NF\g_mix_usrlabel_tl{
19147     \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
19148   }
19149   \mix_pdfobj:nnn{}{dict}{
19150     /Type/RichMediaConfiguration
19151     /Subtype/\g_mix_mainassetsub_tl
19152     /Instances~[\mix_pdflastobj:]
19153   }
19154   \mix_pdfobj:nnn{}{dict}{
19155     /Type/RichMediaContent
19156     /Assets~<</Names~[\g_mix_assets_tl]>>

```



```

19157     /Configurations~[\mix_pdflastobj:]
19158     \bool_if:nT{
19159         \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
19160     }{
19161         /Views~[\l_mix_iiidviewarray_tl]
19162     }
19163 }
19164 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
19165 \bool_if:nT{
19166     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
19167 }{
19168     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
19169 }
19170 %determine floating window size
19171 \bool_if:NT\g_mix_opt_windowed_bool{
19172     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
19173 }
19174 \mix_pdfobj:nnn{}{dict}{
19175     /Activation~<<
19176     /Condition\g_mix_act_tl
19177     \bool_if:nT{
19178         \g_mix_iiid_bool &&
19179         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
19180     }{%seems to work only with 3D content
19181         /Animation~<<
19182         /Subtype/\g_mix_playtpe_tl
19183         /PlayCount~\g_mix_playcnt_tl
19184         /Speed~\g_mix_playspd_tl
19185         >>
19186     }
19187     \bool_if:nT{
19188         \g_mix_iiid_bool && (
19189             \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
19190         )
19191     }{/View~\l_mix_dfltview_tl}
19192     /Presentation~<<
19193     /Transparent~\g_mix_transp_tl
19194     \bool_if:NT\g_mix_opt_windowed_bool{
19195         /Style/Windowed
19196         /Window~<<
19197         /Width~<</Default~\tl_mix_fltd>>
19198         /Height~<</Default~\tl_mix_flht>>
19199         /Position~<<
19200         /HOffset~0/VOffset~0
19201         \str_case_e:nnF{\g_mix_winpos_tl}{
19202             {tl}{/VAlign/Near/HAlign/Near}
19203             {cl}{/VAlign/Center/HAlign/Near}
19204             {bl}{/VAlign/Far/HAlign/Near}
19205             {bc}{/VAlign/Far/HAlign/Center}
19206             {br}{/VAlign/Far/HAlign/Far}
19207             {cr}{/VAlign/Center/HAlign/Far}
19208             {tr}{/VAlign/Near/HAlign/Far}
19209             {tc}{/VAlign/Near/HAlign/Center}
19210         }{/HAlign/Center/VAlign/Center}

```



```

19211         >>
19212     >>
19213     }{
19214         /Style/Embedded
19215     }
19216     \bool_if:NTF\g_mix_iiid_bool{
19217         /Toolbar~\g_mix_tools_tl
19218         /NavigationPane~\g_mix_nav_tl
19219     }{
19220         /PassContextClick~\g_mix_contextclick_tl
19221     }
19222     >>
19223     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
19224     >>
19225     /Deactivation~<</Condition\g_mix_deact_tl>>
19226 }
19227 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
19228 \tl_if_empty:NF\g_mix_usrlabel_tl{
19229     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
19230 }
19231 % #1:width, #2:height, #3:depth, #4:content (key-value)
19232 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
19233     /Subtype/RichMedia
19234     /F~4
19235     /BS~<</W~0/S/S>>
19236     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
19237     /NM~(\g_mix_label_tl)
19238     /AP~<</N~\g_mix_appearance_tl>>
19239     /RichMediaSettings~\l_mix_settings_tl
19240     /RichMediaContent~\l_mix_content_tl
19241 }
19242 \tl_if_empty:NF\g_mix_usrlabel_tl{
19243     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
19244     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
19245         \noexpand\the\g@mix@page@int}
19246 }
19247 \mix_pdfobj:nnn{}{dict}{
19248     /S/JavaScript/JS~(
19249     try{
19250         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
19251         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
19252             annotRM['\g_mix_label_tl']=
19253             this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
19254         }
19255         \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
19256             if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
19257                 var~ocgs=this.getOCGs(this.pageNum);
19258                 for(var~i=0;i<ocgs.length;i++){
19259                     if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
19260                         var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
19261                     }
19262                 }
19263             }
19264         if(

```




```

19265         !annotRM['\g_mix_label_tl'].activated&&(
19266             app.viewerType=='Reader' ||
19267             app.viewerType=='Exchange' ||
19268             app.viewerType=='Exchange-Pro'
19269         )&&app.viewerVersion>=9
19270     ){
19271         ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
19272     }
19273 }
19274 }catch(e){}
19275 this.dirty=false;
19276 )
19277 }
19278 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
19279     /Subtype/Widget
19280     /FT/Btn/Ff~65537/F~2
19281     /BS-<</W~0>>
19282     /T~(fd@\g_mix_label_tl)
19283     /AA-<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
19284 }
19285 \mix_appendtofields:n{\mix_pdflastann:}
19286 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
19287 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
19288     \hbox_to_wd:nn{\g_mix_wd_tl}{
19289         \vrule-width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
19290     }
19291 }{%insert play button overlay
19292     \mix_insert_btnocg: %create OCG
19293     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
19294     \group_begin:
19295     \cs_if_exist:NT\textdir{\textdir TLT}
19296     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
19297     \box_move_down:nn{\g_mix_dp_tl}{
19298         \hbox_to_wd:nn{\g_mix_wd_tl}{
19299             \vbox_to_ht:nn{\g_mix_tt_tl}{
19300                 \vss
19301                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
19302                 \box_use:N\l_mix_pbtn_box
19303                 \ocgbase_oc_emc:
19304             }
19305         }
19306     }
19307     \group_end:
19308 }
19309 \int_gincr:N\g_mix_rmcnt_int
19310 }
19311 \mix_endLTR:
19312 \group_end:
19313 }
19314 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
19315 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
19316
19317 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
19318     \mix_uriend:

```



```

19319 \group_begin:
19320 \mix_beginLTR:
19321 \mode_leave_vertical:
19322 %reset various variables
19323 \tl_gclear:N\g_mix_overbtn_tl
19324 \tl_gclear:N\g_mix_downbtn_tl
19325 \tl_gclear:N\g_mix_btnactions_tl
19326 \tl_gclear:N\g_mix_tooltip_tl
19327 %process options
19328 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
19329 \mix_uribegin: %treat URI characters correctly
19330 \keys_set:nn{media9/mbtndraft}#{#1} %detect draft/final on first pass
19331 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}#{#1}}
19332 \mix_uriend:
19333 %normal button appearance
19334 %\hbox_set:Nn\l_mix_poster_box#{#2}
19335 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
19336 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
19337 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
19338 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
19339 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
19340   \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
19341     \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
19342   \mix_pdfxform:n{\l_mix_poster_box}
19343   \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
19344   %insert widget annotation
19345   \mix_pdfannot:nnnn{\width}{\height}{\depth}{
19346     /Subtype/Widget
19347     /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
19348     \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
19349     /FT/Btn/Ff~65536
19350     \tl_if_empty:NF\g_mix_downbtn_tl{/H/I}{/H/P}
19351     /AP~<<
19352       /N~\g_mix_normalbtn_tl
19353       \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
19354       \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
19355     >>
19356     /MK~<<
19357       /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
19358       /I~\g_mix_normalbtn_tl
19359       \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
19360       \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
19361     >>
19362     /A~<<
19363       /S/JavaScript/JS~(app.focusRect=false;)
19364       %sequence of actions to perform
19365       \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
19366     >>
19367   }
19368   \mix_appendtofields:n{\mix_pdflastann:}
19369   \hbox_to_wd:nn{\width}{
19370     \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
19371   }
19372   \int_gincr:N\g_mix_mbtncnt_int

```



```

19373 }
19374 \mix_endLTR:
19375 \group_end:
19376 }
19377 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
19378 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
19379

```

115 File memoir-xetex-bidi.def

```

19380 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for X
19381 \renewcommand{\keepthetitle}{%
19382 \@bsmtitleempty
19383 \global\let\thanks\relax
19384 \global\let\LTRthanks\relax
19385 \global\let\RTLthanks\relax
19386 \global\let\and\relax
19387 \global\let\andnext\relax
19388 \global\let\@thanks\@empty
19389 \global\let\@title\@empty
19390 \global\let\@author\@empty
19391 \global\let\@date\@empty}
19392 \renewcommand{\maketitle}{\par
19393 \begingroup
19394 \@bsmarkseries
19395 \def\@makefnmark{\@textsuperscript{%
19396 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
19397 \long\def\@makefntext##1{\makethanksmark ##1}
19398 \if@twocolumn
19399 \ifnum \col@number=\@ne
19400 \@maketitle
19401 \else
19402 \twocolumn[\@maketitle]%
19403 \fi
19404 \else
19405 \ifdim\pagetotal>\z@
19406 \newpage
19407 \fi
19408 \global\@topnum\z@
19409 \@maketitle
19410 \fi
19411 \thispagestyle{title}\@thanks
19412 \endgroup
19413 \@bscontmark % \setcounter{footnote}{0}%
19414 }
19415 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
19416 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
19417 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
19418 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
19419 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
19420 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
19421 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
19422 \renewcommand*{\thesubsection}{%
19423 \thesection\@SepMark\@arabic\c@subsection}

```



```

19424 \renewcommand*{\thesubsubsection}{%
19425         \thesubsection\@SepMark\@arabic\c@subsubsection}
19426 \renewcommand*{\theparagraph}{%
19427         \thesubsubsection\@SepMark\@arabic\c@paragraph}
19428 \renewcommand*{\thesubparagraph}{%
19429         \theparagraph\@SepMark\@arabic\c@subparagraph}
19430 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
19431 \renewcommand{\theequation}{%
19432     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
19433 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
19434 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
19435 \ifartopt
19436     \chapterstyle{article}
19437     \counterwithout{figure}{chapter}
19438     \counterwithout{table}{chapter}
19439     \counterwithout{footnote}{chapter}
19440     \counterwithout{equation}{chapter}
19441     \renewcommand{\chaptername}{}
19442     \renewcommand{\maketitlehookb}{%
19443         \vskip -1.5\topsep\vskip -1.5\partopsep}
19444     \renewcommand{\maketitlehookc}{%
19445         \vskip -1.5\topsep\vskip -1.5\partopsep}
19446 \fi
19447 \long\def\@makecaption#1#2{\let\@memtempa\relax
19448     \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
19449     \else \def\@memtempa{\vbox to\topskip{}}\fi
19450     \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
19451     \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
19452     \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
19453     \let\footnote\@contfnote
19454     \let\footnotemark\@contfmark
19455     \ifdim\wd\@tempboxa<\linewidth \centering \fi
19456     \if@contcw
19457         \centering
19458         \parbox{\@contcwidth}{%
19459             \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
19460         }
19461     \ifdim\wd\@tempboxa<\linewidth
19462         \@contpre
19463         {\@contnfont #1\@contdelim}\@memtempa
19464         {\@contcshortstyle \@conttfont #2\@contfinal\par}
19465     \else
19466         \if@conthang
19467             \sbox\@tempboxa{\@contnfont #1\@contdelim}
19468             \@contpre%
19469             {\@contcstyle\hangindent=\wd\@tempboxa
19470             \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
19471         \else
19472             \if@contindent
19473                 \@contpre%
19474                 {\@contnfont #1\@contdelim}\@memtempa
19475                 {\@contcstyle\hangindent=\@contindw
19476                 \hangafter=\@ne\@conttfont #2\@contfinal\par}% <- v1.4
19477             \else

```



```

19478     \@contpre%
19479     {\@contnfont #1\@contdelim}\@memtempa
19480     {\@contcstyle \@conttfont #2\@contfinal\par}
19481     \fi
19482     \fi
19483     \fi
19484     \@contpost
19485     \if@contcw
19486     \par
19487     } % end of the \parbox
19488     \fi
19489     \vskip\belowcaptionskip}
19490     \@ifpackageloaded{caption}{%
19491     \AtBeginPackage{caption}{
19492     \ClassWarningNoLine{memoir}{%
19493     You are using the caption package with the memoir \MessageBreak
19494     class. This may cause unexpected or inconsistent \MessageBreak
19495     results if you use any of memoir's captioning facilities}
19496
19497     \long\def\@makecaption##1##2{%
19498     \vskip\abovecaptionskip
19499     \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
19500     \ifdim \wd\@tempboxa >\hsize
19501     \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
19502     \else
19503     \global \@minipagefalse
19504     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
19505     \fi
19506     \vskip\belowcaptionskip}
19507
19508     \def\caption{%
19509     \ifx\@capttype\@undefined
19510     \@latex@error{\noexpand\caption outside float}\@ehd
19511     \expandafter\@gobble
19512     \else
19513     \refstepcounter\@capttype
19514     \expandafter\@firstofone
19515     \fi
19516     {\@dblarg{\@caption\@capttype}}%
19517     }
19518
19519     \long\def\@caption##1[##2]##3{%
19520     \par
19521     \addcontentsline{\csname ext###1\endcsname}{##1}%
19522     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
19523     \begingroup
19524     \@parboxrestore
19525     \if@minipage
19526     \@setminipage
19527     \fi
19528     \normalsize
19529     \@makecaption{\csname fnum###1\endcsname}{\ignorespaces ##3}\par
19530     \endgroup}
19531     }{}

```



```

19532 \renewenvironment{thebibliography}[1]{%
19533   \bibsection
19534   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
19535   \bidi@thebibliography@font@hook%
19536   \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

116 File midfloat-xetex-bidi.def

```

19537 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
19538 \def\RTL@outputdblcol{%
19539   \if@firstcolumn
19540     \global \@firstcolumnfalse
19541     \global\setbox\@leftcolumn\copy\@outputbox
19542     \splitmaxdepth\maxdimen
19543     \vbadness\maxdimen
19544     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19545     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19546     \toks@\expandafter{\topmark}%
19547     \xdef\@firstcoltopmark{\the\toks@}%
19548     \toks@\expandafter{\splitfirstmark}%
19549     \xdef\@firstcolfirstmark{\the\toks@}%
19550     \ifx\@firstcolfirstmark\@empty
19551       \global\let\@setmarks\relax
19552     \else
19553       \gdef\@setmarks{%
19554         \let\firstmark\@firstcolfirstmark
19555         \let\topmark\@firstcoltopmark}%
19556     \fi
19557     \global\c@colht\@colht\global\c@advvipersep\z@
19558     \ifnum\juo@sk>0
19559       \remove@strip\juo@sar
19560       \global\@colht\the\juo@pr
19561       \ifdim\right@cor>\z@
19562         \global\advance\@colht by\right@cor
19563       \fi
19564       \global\advance\@colht by\cor@height
19565       \global\cor@height=0pt
19566     \fi
19567     \global\setbox\@rightcolumn\vbox{%
19568   \else
19569     \ifdim\c@colht>\@colht
19570       \@tempdima\@colht
19571       \ifdim\@colht>\z@
19572         \global\setbox\@rightcolumn\vbox{%
19573           \unvbox\@rightcolumn
19574           \vbox to\@tempdima{%
19575             \vskip\c@advvipersep\unvbox\@outputbox}%
19576           \vskip\stripsep
19577           \vrule height\the\juo@ht width 0pt depth 0pt
19578           \vskip\stripsep
19579         }%
19580         \global\c@advvipersep\m@advvipersep
19581       \else
19582         \global\setbox\@rightcolumn\vbox{%

```



```

19583             \unvbox\@rightcolumn
19584             \vrule height\the\jua@ht width Opt depth Opt
19585             \vskip\stripsep
19586             }%
19587         \fi
19588     \ifnum\jua@sk>0
19589         \remove@strip\jua@sar
19590         \global\@colht\the\jua@pr
19591         \global\advance\@colht by -\ht\@rightcolumn
19592         \global\advance\@colht by\cor@height
19593         \global\cor@height=0pt
19594     \else
19595         \global\advance\c@colht by-\ht\@rightcolumn
19596         \global\@colht\c@colht
19597     \fi
19598 \else
19599 \global\@firstcolumntrue
19600 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19601     \unvbox\@rightcolumn
19602     \vskip\c@addvipersep
19603     \unvbox\@outputbox
19604     }%
19605 \setbox\@outputbox \vbox {%
19606     \hb@xt@\textwidth {%
19607         \hskip \columnwidth
19608         \hfil
19609         \vrule \@width\columnseprule
19610         \hfil
19611         \hb@xt@\columnwidth {%
19612             \bidi@firstcolumn@status@write%
19613             \box\@leftcolumn \hss}%
19614         \hskip-\textwidth
19615         \hb@xt@\columnwidth {%
19616             \bidi@lastcolumn@status@write%
19617             \box\@outputbox \hss}%
19618         \hskip\columnwidth
19619         \hskip\columnsep}%
19620     }%
19621 \@combinedblfloats
19622 \@setmarks
19623 \@outputpage
19624 \begingroup
19625     \@dblfloatplacement
19626     \@startdblcolumn
19627     \@whilesw\if@fcolmade \fi
19628     {\@outputpage
19629     \@startdblcolumn}%
19630 \endgroup
19631 \global\jua@sk=0\global\jua@sar={}%
19632 \global\cor@height\z@\global\c@addvipersep\z@
19633 \fi
19634 \fi
19635 }
19636

```



```

19637
19638 \def\LTR@outputdblcol{%
19639   \if@firstcolumn
19640     \global \@firstcolumnfalse
19641     \global\setbox\@leftcolumn\copy\@outputbox
19642     \splitmaxdepth\maxdimen
19643     \vbadness\maxdimen
19644     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
19645     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
19646     \toks@\expandafter{\topmark}%
19647     \xdef\@firstcoltopmark{\the\toks@}%
19648     \toks@\expandafter{\splitfirstmark}%
19649     \xdef\@firstcolfirstmark{\the\toks@}%
19650     \ifx\@firstcolfirstmark\@empty
19651       \global\let\@setmarks\relax
19652     \else
19653       \gdef\@setmarks{%
19654         \let\firstmark\@firstcolfirstmark
19655         \let\topmark\@firstcoltopmark}%
19656     \fi
19657     \global\c@colht\@colht\global\c@addvipersep\z@
19658     \ifnum\juo@sk>0
19659       \remove@strip\juo@sar
19660       \global\@colht\the\juo@pr
19661       \ifdim\right@cor>\z@
19662         \global\advance\@colht by\right@cor
19663       \fi
19664       \global\advance\@colht by\cor@height
19665       \global\cor@height=0pt
19666     \fi
19667     \global\setbox\@rightcolumn\vbox{%
19668   \else
19669     \ifdim\c@colht>\@colht
19670       \@tempdima\@colht
19671       \ifdim\@colht>\z@
19672         \global\setbox\@rightcolumn\vbox{%
19673           \unvbox\@rightcolumn
19674           \vbox to\@tempdima{%
19675             \vskip\c@addvipersep\unvbox\@outputbox}%
19676           \vskip\stripsep
19677           \vrule height\the\juo@ht width 0pt depth 0pt
19678           \vskip\stripsep
19679         }%
19680         \global\c@addvipersep\m@addvipersep
19681       \else
19682         \global\setbox\@rightcolumn\vbox{%
19683           \unvbox\@rightcolumn
19684           \vrule height\the\juo@ht width 0pt depth 0pt
19685           \vskip\stripsep
19686         }%
19687     \fi
19688     \ifnum\juo@sk>0
19689       \remove@strip\juo@sar
19690       \global\@colht\the\juo@pr

```




```

19691         \global\advance\@colht by -\ht\@rightcolumn
19692         \global\advance\@colht by\cor@height
19693         \global\cor@height=0pt
19694     \else
19695         \global\advance\c@colht by-\ht\@rightcolumn
19696         \global\@colht\c@colht
19697     \fi
19698 \else
19699     \global\@firstcolumntrue
19700     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
19701         \unvbox\@rightcolumn
19702         \vskip\c@addvipersep
19703         \unvbox\@outputbox
19704     }%
19705     \setbox\@outputbox \vbox {%
19706         \hb@xt@\textwidth {%
19707             \hb@xt@\columnwidth {%
19708                 \bidi@firstcolumn@status@write%
19709                 \box\@leftcolumn \hss}%
19710             \hfil
19711             \vrule \@width\columnseprule
19712             \hfil
19713             \hb@xt@\columnwidth {%
19714                 \bidi@lastcolumn@status@write%
19715                 \box\@outputbox \hss}%
19716             }%
19717         }%
19718     \@combinedblfloats
19719     \@setmarks
19720     \@outputpage
19721     \begingroup
19722         \@dblfloatplacement
19723         \@startdblcolumn
19724         \@whilesw@if@fcolmade \fi
19725         {\@outputpage
19726         \@startdblcolumn}%
19727     \endgroup
19728     \global\jua@sk=0\global\jua@sar={}%
19729     \global\cor@height\z@\global\c@addvipersep\z@
19730     \fi
19731 \fi
19732 }
19733
19734
19735 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
19736 \global \setbox\@viper\vbox\bgroup@if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
19737     \hsize\textwidth
19738     \@parboxrestore
19739     \col@number \@ne
19740     \vrule height\topskip width0pt depth0pt
19741 }
19742
19743 \def\endstrip{%
19744     \egroup\egroup

```



```

19745     \if@firstcolumn
19746         \ifdim\pagetotal>\z@
19747             \vskip\stripsep
19748             \global\ht@strip\pagegoal
19749             \global\advance\ht@strip by-\pagetotal
19750             \global\advance\ht@strip by-\stripsep
19751             \global\advance\ht@strip by-\ht@viper
19752             \global\advance\ht@strip by-\stripsep
19753             \global\juo@ht=\ht@viper
19754         \else
19755             \global\ht@strip\z@
19756         \fi
19757     \ifdim\ht@strip>\z@
19758         \unvbox\@viper
19759         \vskip\stripsep
19760         \add@strip{\the\pagetotal}{\the\juo@ht}{\the\@tempdima}{\the\@tempdimb}%
19761         \global\advance\juo@sk by1
19762     \else
19763         \@latex@error{Strip needs more place!}\@ehc
19764     \if@vihproof
19765         \framebox[\columnwidth]{??? Strip ???}%
19766     \fi
19767 \fi
19768 \else
19769     \@latex@error{Strip is used only on left column!}\@ehc
19770     \if@vihproof
19771         \framebox[\columnwidth]{??? Strip ???}%
19772     \fi
19773 \fi
19774 }

```

117 File minitoc-xetex-bidi.def

```

19775 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package f
19776 \def\@undottedtocline#1#2#3#4#5{%
19777     \ifnum #1>\c@tocdepth\relax \else
19778         \vskip \z@ plus.2\p@
19779     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmarg
19780     \parindent #2\relax\@afterindenttrue
19781     \interlinepenalty\@M
19782     \leavevmode
19783     \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
19784     \hskip -\if@RTL\rightskip\else\leftskip\fi
19785     #4\nobreak\hfill \nobreak
19786     \null\par}%
19787 \fi}
19788 \def\@Undottedtocline#1#2#3#4#5{%
19789     \ifnum #1>\c@tocdepth\relax \else
19790         \vskip \z@ \@plus.2\p@
19791     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmarg
19792     \parindent #2\relax\@afterindenttrue
19793     \interlinepenalty\@M
19794     \leavevmode
19795     \@tempdima #3\relax

```



```

19796 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19797 {\coffeefont #4}\nobreak \nobreak\null
19798 \par}%
19799 \fi}
19800 \def\@Undottedtoclinep#1#2#3#4#5{%
19801 \ifnum #1>\c@tocdepth\relax \else
19802 \vskip \z@ \@plus.2\p@
19803 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@ocrma
19804 \parindent #2\relax\@afterindenttrue
19805 \interlinepenalty\M
19806 \leavevmode
19807 \@tempdima #3\relax
19808 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19809 {#4}\nobreak \hfill \nobreak\null
19810 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
19811 \par}%
19812 \fi}

```

118 File multicol-xetex-bidi.def

```

19813 \ProvidesFile{multicol-xetex-bidi.def}[2022/07/10 v1.4 bidi adaptations for multicol package]
19814 \def\page@sofar{%
19815 \process@cols\mult@rightbox
19816 {\ifvoid\count@
19817 \setbox\count@\hbox to\hsize}%
19818 \else
19819 \wd\count@\hsize
19820 \fi}%
19821 \count@\col@number \advance\count@\m@ne
19822 \mult@info\z@
19823 {Column spec: \the\full@width\space = indent
19824 + columns + sep =\MessageBreak
19825 \the\multicol@leftmargin\space
19826 + \the\col@number\space
19827 x \the\hsize\space
19828 + \the\count@\space
19829 x \the\columnsep
19830 }%
19831 \ifvmode\else\errmessage{Multicol Error}\fi
19832 \nointerlineskip
19833 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
19834 \moveright\multicol@leftmargin
19835 \hbox to\full@width{%
19836 \bidi@multicol@align@columns
19837 \rlap{\phantom p}}%
19838 }%
19839 \prevdepth\z@
19840 \kern-\dimen\tw@
19841 \ifdim\dimen\tw@ > \mc@gridwarn
19842 \PackageWarning{multicol}%
19843 {Very deep columns!\MessageBreak
19844 Grid alignment might be broken}%
19845 \fi
19846 }

```



```

19847 \def\LTR@column@boxes{%
19848     \process@cols\mult@firstbox{%
19849         \ifdim\dp\count@>\dimen\tw@
19850             \global\dimen\tw@\dp\count@ \fi
19851         \mc@col@status@write
19852         \box\count@
19853         \hss{\columnseprulecolor\vrule
19854             \@width\columnseprule}\hss}%
19855     \ifdim\dp\mult@rightbox>\dimen\tw@
19856         \global\dimen\tw@\dp\mult@rightbox \fi
19857     \mc@lastcol@status@write
19858     \box\mult@rightbox
19859 }
19860
19861 \def\RTL@column@boxes{%
19862     \process@cols\mult@firstbox{%
19863         \hskip\hsize
19864         \hss{\columnseprulecolor\vrule
19865             \@width\columnseprule}\hss
19866     }%
19867     \hskip\hsize
19868     \process@cols\mult@firstbox{%
19869         \ifdim\dp\count@>\dimen\tw@
19870             \global\dimen\tw@\dp\count@ \fi
19871         \hskip-\hsize
19872         \mc@col@status@write
19873         \box\count@
19874         \hskip-\hsize
19875         \hskip-\columnsep
19876     }%
19877     \ifdim\dp\mult@rightbox>\dimen\tw@
19878         \global\dimen\tw@\dp\mult@rightbox \fi
19879     \hskip-\hsize
19880     \mc@lastcol@status@write
19881     \box\mult@rightbox
19882     \hskip-\hsize
19883     \hskip\full@width
19884 }
19885
19886 \newcommand\RTLmulticolcolumns
19887     {\let\ bidi@multicol@align@columns
19888         \RTL@column@boxes}
19889 \newcommand\LTRmulticolcolumns
19890     {\let\ bidi@multicol@align@columns
19891         \LTR@column@boxes}
19892 \newcommand\ bidi@multicol@align@columns
19893     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
19894 \ bidi@AtEndPreamble{%
19895     \if@bidi@csdef{footinsv1}{%
19896         \def\footnoterule{\kern-3\p@
19897             \hrule \@width \textwidth \kern 2.6\p@}%
19898     }{}%
19899 }
19900 \def\multicols#1{\col@number#1\relax

```



```

19901 \ifnum\col@number<\tw@
19902   \PackageWarning{multicol}%
19903     {Using `\

```



```

19955 \if@bidi@csundef{footinsv01}{%
19956   \bidi@patchcmd{\multi@column@out}{%
19957     \ifvbox \@kludgeins
19958   }{%
19959     \ifvoid\@bidi@copyins@ \else
19960       \bidi@leave@mult@copyins
19961     \fi
19962     \ifvbox \@kludgeins
19963   }{}{}%
19964 }{}%
19965 }
19966
19967

```

119 File multienum-xetex-bidi.def

```

19968 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum packa
19969 \renewcommand{\itemx}[1]{\parbox[t]%
19970 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19971 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
19972 \renewcommand{\itemxx}[2]{\parbox[t]%
19973 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19974 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19975 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19976 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
19977 \renewcommand{\itemxxx}[3]{\parbox[t]%
19978 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19979 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19980 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19981 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
19982 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
19983 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
19984 \renewcommand{\itemxxxx}[4]{\parbox[t]%
19985 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19986 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
19987 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19988 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
19989 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19990 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
19991 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19992 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
19993 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
19994 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19995 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
19996 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19997 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
19998 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
19999 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
20000 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20001 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
20002 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20003 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
20004 \renewcommand{\itemxox}[2]{\parbox[t]%
20005 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

20006 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
20007 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20008 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
20009 \renewcommand{\itemxox}[2]{\parbox[t]%
20010 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20011 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
20012 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20013 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
20014 \renewcommand{\itemxox}[3]{\parbox[t]%
20015 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20016 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
20017 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20018 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #2}\hfill%
20019 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20020 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\smallskip}
20021 \renewcommand{\itemxox}[3]{\parbox[t]%
20022 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20023 \parbox[t]{.25\remainxxx}{\bidi@raggedright #1}\hfill%
20024 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20025 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
20026 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20027 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\smallskip}
20028 \renewcommand{\itemxxx}[3]{\parbox[t]%
20029 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20030 \parbox[t]{.25\remainxxx}{\bidi@raggedright #1}\hfill%
20031 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20032 \parbox[t]{.25\remainxxx}{\bidi@raggedright #2}\hfill%
20033 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
20034 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

120 File natbib-xetex-bidi.def

```

20035 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for
20036 \renewenvironment{thebibliography}[1]{%
20037 \bibsection
20038 \parindent\z@
20039 \bibpreamble
20040 \bibfont
20041 \if@RTL\if@LTR\bibitems\@RTLfalse\else\fi\else\if@RTL\bibitems\@RTLtrue\else\fi\fi
20042 \bidi@thebibliography@font@hook%
20043 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
20044 \ifNAT@openbib
20045 \renewcommand\newblock{\par}%
20046 \else
20047 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
20048 \fi
20049 \sloppy\clubpenalty4000\widowpenalty4000
20050 \sfcode\.\@m
20051 \let\NAT@bibitem@first@sw\@firstoftwo
20052 \let\citeN\cite \let\shortcite\cite
20053 \let\citeasnoun\cite
20054 }{%
20055 \bibitem@fin
20056 \bibpostamble

```



```

20057 \def\@noitemerr{%
20058 \PackageWarning{natbib}{Empty `thebibliography' environment}%
20059 }%
20060 \endlist
20061 \bibcleanup
20062 }%

```

121 File newfloat-xetex-bidi.def

```

20063 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
20064 \renewcommand*\newfloat@setwithin[2]{%
20065 \ifcsname c@chapter\endcsname
20066 \@removefromreset{#1}{chapter}%
20067 \fi
20068 \@removefromreset{#1}{section}%
20069 \edef\@tempa{#2}%
20070 \ifx\@tempa\@empty
20071 \def\@tempa{none}%
20072 \fi
20073 \def\@tempb{none}%
20074 \ifx\@tempa\@tempb
20075 \ifcsname c@chapter\endcsname
20076 \@chapterlistsgap@off{#1}%
20077 \fi
20078 \newfloat@@setwithin{#1}{-}{-}%
20079 \else
20080 \def\@tempb{chapter}%
20081 \ifx\@tempa\@tempb
20082 \@addtoreset{#1}{chapter}%
20083 \@chapterlistsgap@on{#1}%
20084 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@S
20085 \else
20086 \def\@tempb{section}%
20087 \ifx\@tempa\@tempb
20088 \@addtoreset{#1}{section}%
20089 \ifcsname c@chapter\endcsname
20090 \@addtoreset{#1}{chapter}%
20091 \@chapterlistsgap@on{#1}%
20092 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
20093 \else
20094 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
20095 \fi
20096 \else
20097 \newfloat@Error{Invalid value `#2' for option `within'}%
20098 \fi
20099 \fi
20100 \fi}

```

122 File nicematrix-xetex-bidi.def

```

20101 \ProvidesFile{nicematrix-xetex-bidi.def}[2024/12/15 v0.3 bidi adaptations for nicematrix pac
20102 \ExplSyntaxOn
20103 \bidi@patchcmd{\__nicematrix_array:n}{\@tabarray}{%
20104 \bool_if:NF \l__nicematrix_tabular_bool \@RTLtabfalse

```




```

20105 \@tabarray
20106 }{}{}
20107 \ExplSyntaxOff
20108

```

123 File ntheorem-xetex-bidi.def

```

20109 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
20110 \gdef\@thm#1#2#3{%
20111   \if@thmmarks
20112     \stepcounter{end\InTheoType ctr}%
20113   \fi
20114   \renewcommand{\InTheoType}{#1}%
20115   \if@thmmarks
20116     \stepcounter{curr#1ctr}%
20117     \setcounter{end#1ctr}{0}%
20118   \fi
20119   \refstepcounter{#2}%
20120   \theorem@prework
20121   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
20122   \ifvmode \advance\thm@topsepadd\partopsep\fi
20123   \trivlist
20124   \@topsep \theorempreskipamount
20125   \@topsepadd \thm@topsepadd % used by \@endparenv
20126   \advance\linewidth -\theorem@indent
20127   \advance\@totalleftmargin \theorem@indent
20128   \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
20129   \@ifnextchar [\@yhtm{#1}{#2}{#3}]{\@xhtm{#1}{#2}{#3}}

```

124 File ntheorem-hyper-xetex-bidi.def

```

20130 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-h]
20131 \gdef\@thm#1#2#3{%
20132   \if@thmmarks
20133     \stepcounter{end\InTheoType ctr}%
20134   \fi
20135   \renewcommand{\InTheoType}{#1}%
20136   \if@thmmarks
20137     \stepcounter{curr#1ctr}%
20138     \setcounter{end#1ctr}{0}%
20139   \fi
20140   \refstepcounter{#2}%
20141   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
20142   \ifvmode \advance\thm@topsepadd\partopsep\fi
20143   \trivlist
20144   \@topsep \theorempreskipamount
20145   \@topsepadd \thm@topsepadd % used by \@endparenv
20146   \advance\linewidth -\theorem@indent
20147   \advance\@totalleftmargin \theorem@indent
20148   \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
20149   \@ifnextchar [\@yhtm{#1}{#2}{#3}]{\@xhtm{#1}{#2}{#3}}

```

125 File overpic-xetex-bidi.def



```

20150 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package f
20151 \renewenvironment{overpic}[2][]{%
20152   \sbox{z@}{\includegraphics[#1]{#2}}%
20153   \settodepth{\@tempcnta}{\usebox{z@}}%
20154   \settoheight{\@tempcntb}{\usebox{z@}}%
20155   \advance\@tempcntb\@tempcnta%
20156   \settowidth{\@tempcnta}{\usebox{z@}}%
20157   \setlength{\@tempdima}{\unitlength}%
20158   \count@=z@\Gin@gridfalse\setkeys{Gin}{#1}%
20159 %
20160   \OVP@calc%
20161 %
20162   \begin{picture}(\@tempcnta,\@tempcntb)%
20163     \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}%
20164     \ifGin@grid%
20165       \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
20166         \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
20167     \fi\fi%
20168     % reset the graphics parameter
20169     \let\Gin@outer@scalex\relax
20170     \let\Gin@outer@scaley\relax
20171     \let\Gin@angle\relax
20172     \let\Gin@ewidth\Gin@exclamation
20173     \let\Gin@eheight\Gin@ewidth
20174     \def\Gin@scalex{1}
20175     \let\Gin@scaley\Gin@exclamation
20176   }{%
20177   \if@RTL\ifGin@grid%
20178     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
20179       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
20180     \fi%
20181     \put(0,0){\makebox(0,0)[bl]{\usebox{z@}}}\fi%
20182   \end{picture}%
20183 }%

```

126 File pdfbase-xetex-bidi.def

```

20184 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package f
20185 \ExplSyntaxOn
20186 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
20187 \cs_set_nopar:Npn\@outputpage{
20188   \int_gincr:N\g_pbs_page_int
20189   \box_if_vertical:cTF{\@outputbox}{
20190     \bool_set_true:N\l_pbs_is_vertical_bool
20191   }{
20192     \bool_set_false:N\l_pbs_is_vertical_bool
20193   }
20194   \hbox_set:Nn\@outputbox{
20195     %begin of page
20196     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
20197     \box_use_drop:N\@outputbox
20198     %end of page
20199     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
20200   }

```



```

20201 \bool_if:NT\l_pbs_is_vertical_bool{
20202   \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
20203 }
20204 \pbs_outputpage_orig:
20205 }
20206 \ExplSyntaxOff

```

127 File pdfscape-xetex-bidi.def

```

20207 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape packa
20208 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
20209   \ifRTL
20210     \PLS@Rotate{-90}%
20211   \else
20212     \PLS@Rotate{90}%
20213   \fi
20214 }{}{}

```

128 File pdfpages-xetex-bidi.def

```

20215 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package
20216 \renewcommand*{\includepdf}[2] [] {%
20217   \begingroup
20218   \@RTLfalse
20219   \let\AM@threadname\relax
20220   \AM@split@options{pdfpages}{#1}%
20221   \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
20222   \expandafter\setkeys\AM@temp
20223   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
20224     \let\AM@currentdocname\relax
20225     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
20226     \def\AM@pagecount{0}%
20227   }{%
20228     \AM@findfile{#2}%
20229     \if\AM@threadname\relax
20230       \def\AM@threadname{\AM@currentdocname}%
20231     \fi
20232   }%
20233   \ifAM@survey
20234     \def\AM@pagestemp{}%
20235     \@tempcnta=0
20236     \def\foo{%
20237       \ifundefined{r\AM@xrprefix pdfpages@page\the\@tempcnta}%
20238         {\let\foo\relax}
20239       {\expandafter\ifx\expandafter\\AM@pagestemp\\
20240         \edef\AM@pagestemp{%
20241           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
20242         \else
20243           \edef\AM@pagestemp{\AM@pagestemp,%
20244             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
20245         \fi
20246         \advance\@tempcnta 1\relax
20247       }%
20248     \foo

```



```

20249 }%
20250 \foo
20251 \expandafter\ifx\expandafter\\AM@pagetemp\\
20252 \def\AM@pagetemp{1}%
20253 \fi
20254 \fi
20255 \ifAM@output
20256 \expandafter\AM@readlist\expandafter{\AM@pagetemp}%
20257 \AM@output{#1}%
20258 \fi
20259 \AM@CheckAtEnd
20260 \endgroup
20261 \AM@ClearShipoutPicture
20262 }

```

129 File pgfcorescopes.code-xetex-bidi.def

```

20263 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pa
20264 \def\pgfpicture{%
20265 \begingroup%
20266 \ifmode\else@RTLfalse\beginL\fi%
20267 \pgfpicturetrue%
20268 \global\advance\pgf@picture@serial@count by1\relax%
20269 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
20270 \let\pgf@nodecallback=\pgfutil@gobble%
20271 \pgf@picmaxx=-16000pt\relax%
20272 \pgf@picminx=16000pt\relax%
20273 \pgf@picmaxy=-16000pt\relax%
20274 \pgf@picminy=16000pt\relax%
20275 \pgf@relevantforpicturesizetrue%
20276 \pgf@resetpathsizes%
20277 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
20278 \def\endpgfpicture{%
20279 \ifpgfrememberpicturepositiononpage%
20280 \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
20281 \fi%
20282 % ok, now let's position the box
20283 \ifdim\pgf@picmaxx=-16000pt\relax%
20284 % empty picture. make size 0.
20285 \global\pgf@picmaxx=0pt\relax%
20286 \global\pgf@picminx=0pt\relax%
20287 \global\pgf@picmaxy=0pt\relax%
20288 \global\pgf@picminy=0pt\relax%
20289 \fi%
20290 % Shift baseline outside:
20291 \pgf@relevantforpicturesizefalse%
20292 \pgf@process{\pgf@baseline}%
20293 \xdef\pgf@shift@baseline{\the\pgf@y}%
20294 %
20295 \pgf@process{\pgf@trimleft}%
20296 \global\advance\pgf@x by-\pgf@picminx
20297 % prepare \hskip\pgf@trimleft@final.
20298 % note that \pgf@trimleft@final is also queried
20299 % by the pgf image externalization.

```



```

20300         \xdef\pgf@trimleft@final{-\the\pgf@x}%
20301         %
20302         \pgf@process{\pgf@trimright}%
20303         \global\advance\pgf@x by-\pgf@picmaxx
20304         % prepare \hskip\pgf@trimright@final.
20305         % note that \pgf@trimright@final is also queried
20306         % by the pgf image externalization.
20307         \xdef\pgf@trimright@final{\the\pgf@x}%
20308         %
20309         \pgf@remember@layerlist@globally
20310         \endgroup%
20311         \hss%
20312         \egroup%
20313         \pgf@restore@layerlist@from@global
20314         \pgf@insertlayers%
20315         \endgroup%
20316         \pgfsys@discardpath%
20317         \endgroup%
20318         \pgfsys@endscope%
20319         \pgfsys@endpicture%
20320         \endgroup%
20321         \hss
20322     \egroup%
20323     \pgfsys@typesetpicturebox\pgfpic%
20324     \ifmmode\else\endL\fi%
20325     \endgroup%
20326 }

```

130 File `pgfsys.code-xetex-bidi.def`

```

20327 \ProvidesFile{pgfsys.code-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for pgfsys.code.t
20328 \def\pgfsys@shadingoutsidepgfpicture#1{%
20329     \beginL#1\endL%
20330 }
20331
20332

```

131 File `picinpar-xetex-bidi.def`

```

20333 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package
20334 \long\def\@makewincaption#1#2{%
20335     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
20336     \ifdim\wd\@tempboxa>\picwd
20337         {\footnotesize{\bf #1:\enspace}{#2\par}}
20338     \else
20339         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
20340     \fi}
20341 \def\endwindow{%
20342     \global\tcd=\tcdsav
20343     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
20344     \vbadness=10000
20345     \splittopskip=0pt
20346 %
20347 % Typeset the lines above the window

```



```

20348 %
20349 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
20350 \tcn=\tcd
20351 \loop\advance\tcn -1
20352 \setbox\fslice=\vsplit\holder to\baselineskip
20353 \prune\fslice\linewidth
20354 \topheight=0pt
20355 \ifnum\dp\fslice>\dp\wstrutbox
20356     \advance\topheight-\dp\fslice
20357     \advance\topheight\dp\wstrutbox
20358     \advance\topheight\ilg\fi
20359 \hbox to\linewidth{\box\fslice}
20360 \vskip-\topheight
20361 \ifdim\ht\holder>0pt\repeat
20362 \fi
20363 %
20364 % Now we build the boxes beside the window
20365 %
20366 \global\topheight=\tcl\baselineskip
20367 \ifnum\cumpartcl>0\global\tcl=\cumtcl
20368     \global\topheight=\vpic
20369 \fi
20370 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
20371 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
20372 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
20373 \tcn=\tcl \na=0 \nb=0
20374 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
20375 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
20376 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
20377 \ifnum\na=0\ifnum\nb=0
20378     \setbox\waslice=\vbox to\vpic{\vss}
20379     \setbox\wbslice=\vbox to\vpic{\vss}
20380     \bl=1\br=1
20381     \vskip\ilg
20382 \fi\fi
20383 %
20384 % both sides
20385 %
20386 \ifnum\na>0 \ifnum\nb>0
20387 \loop\advance\nb -1
20388 \advance\na -1
20389 \if@RTL%
20390 \setbox\bslice=\vsplit\holder to\baselineskip
20391 \prune\bslice\rtside
20392 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20393 to\rtside{\box\bslice\hfil}}
20394 \setbox\aslice=\vsplit\holder to\baselineskip
20395 \prune\aslice\lftside
20396 \setbox\waslice=\vbox{\unvbox\waslice\hbox
20397 to\lftside{\box\aslice\hfil}}
20398 \else%
20399 \setbox\aslice=\vsplit\holder to\baselineskip
20400 \prune\aslice\lftside
20401 \setbox\waslice=\vbox{\unvbox\waslice\hbox

```



```

20402 to\lftside{\box\aslice\hfil}}
20403 \setbox\bslice=\vsplit\holder to\baselineskip
20404 \prune\bslice\rtside
20405 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20406 to\rtside{\box\bslice\hfil}}
20407 \fi%
20408 \ifnum\nb>0\repeat
20409 \fi\fi
20410 %
20411 % only text on the left side
20412 %
20413 \ifnum\na>0
20414   \loop\advance\na -1
20415   \setbox\aslice=\vsplit\holder to\baselineskip
20416   \prune\aslice\lftside
20417   \setbox\waslice=\vbox{\unvbox\waslice\hbox
20418   to\lftside{\box\aslice\hfil}}
20419   \ifdim\ht\holder>0pt\repeat
20420 \fi
20421 %
20422 % only text on the right side
20423 %
20424 \ifnum\nb>0
20425   \loop\advance\nb -1
20426   \setbox\bslice=\vsplit\holder to\baselineskip
20427   \prune\bslice\rtside
20428   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
20429   to\rtside{\box\bslice\hfil}}
20430   \ifdim\ht\holder>0pt\repeat
20431 \fi
20432 %
20433 % fixing the dimensions of the window part
20434 %
20435 \ifnum\bl=0\topheight=\ht\wbslice
20436 \else\ifnum\br=0\topheight=\ht\waslice
20437   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
20438   \else\topheight=\ht\wbslice\fi\fi\fi
20439 %
20440 % ship out the window material to the main vertical list
20441 %
20442 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
20443 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
20444 \fi\fi\fi
20445 \setbox>windowbox=\vbox{\hbox to\linewidth{%
20446 \ifnum\bl>0\box\waslice\hfill\fi%
20447 \vbox to\topheight{\hrule width\picwd heightOpt depthOpt\vskipOpt%
20448 \vfill\unvbox\picbox%
20449 \ifnum\picwd>0\vfill\fi%
20450 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
20451 \unvbox>windowbox%
20452 \loop
20453 \setbox\bslice=\vsplit\rawtext to\baselineskip
20454 \prune\bslice\linewidth
20455 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}

```



```

20456 \unvbox\wbslice
20457 \ifdim\ht\rawtext>Opt
20458 \repeat
20459 }% FINITO

```

132 File plain-xetex-bidi.def

```

20460 \def\TeXeTOn{\TeXeTstate=1 }
20461 \def\TeXeTOff{\TeXeTstate=0 }
20462 \TeXeTOn
20463 \def\usebox#1{\leavevmode\copy #1\relax}
20464 \def\ bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
20465 \let\ bidi@o@everypar=\everypar
20466 \newtoks\ bidi@n@everypar
20467 \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}
20468 \ bidi@o@everypar{\ bidi@RTL@everypar\the\ bidi@n@everypar}
20469 \let\everypar=\ bidi@n@everypar
20470 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20471 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20472 \protected\def\ hboxR{\ hbox\bgroup
20473 \everyhbox{%
20474 \aftergroup\egroup
20475 \everyhbox{}}%
20476 \beginR
20477 \@ hboxRconstructtrue
20478 \bgroup
20479 \aftergroup\endR
20480 \aftergroup\egroup
20481 }\ hbox}
20482 \protected\def\ hboxL{\ hbox\bgroup
20483 \everyhbox{%
20484 \aftergroup\egroup
20485 \everyhbox{}}%
20486 \beginL
20487 \@ hboxRconstructfalse
20488 \bgroup
20489 \aftergroup\endL
20490 \aftergroup\egroup
20491 }\ hbox}
20492 \protected\def\ vboxR{\ vbox\bgroup
20493 \everyvbox{%
20494 \aftergroup\egroup
20495 \everyvbox{}}%
20496 \@RTLtrue
20497 \bgroup
20498 \aftergroup\egroup
20499 }\ vbox}
20500 \protected\def\ vboxL{\ vbox\bgroup
20501 \everyvbox{%
20502 \aftergroup\egroup
20503 \everyvbox{}}%
20504 \@RTLfalse
20505 \bgroup
20506 \aftergroup\egroup

```




```

20507 } \vbox}
20508 \def \LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
20509 \def \endLTR{\par}
20510 \def \RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
20511 \def \endRTL{\par}
20512 \def \setRTL{\@RTLtrue\@RTL@footnotetrue}
20513 \def \setLTR{\@RTLfalse\@RTL@footnotefalse}
20514 \let \unsetRTL=\setLTR
20515 \let \unsetLTR=\setRTL
20516 \let \LR=\LRE
20517 \let \RL=\RLE
20518 \def \@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20519 \def \@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20520 \let \@ensure@RL=\@ensure@RTL
20521 \let \@ensure@LR=\@ensure@LTR
20522 \def \@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20523 \let \@ensure@maindir=\@ensure@dir
20524 \def \@@RTL{RTL}
20525 \def \@@LTR{LTR}
20526 \def \save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20527 \def \reset@dir{\ifx\saved@dir\@@RTL\setRTL\else\ifx\saved@dir\@@LTR\setLTR\else\relax\fi}
20528 \let \@@TeX\TeX
20529 \def \TeX{\@ensure@LTR{\@@TeX}}
20530 \def \pagecontents{\ifvoid\topins\else\unvbox\topins\fi}
20531 \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
20532 \ifvoid\footins\else % footnote info is present
20533 \vskip\skip\footins
20534 \footnoterule
20535 \unvbox\footins\fi
20536 \ifrggedbottom \kern-\dimen@ \vfil \fi
20537 \ifvoid\@bidi@copyins@
20538 \else
20539 \vskip\skip\@bidi@copyins@
20540 \unvbox\@bidi@copyins@
20541 \fi
20542 }
20543 \long\def \bidi@reflect@box#1{%
20544 \leavevmode
20545 \setbox\z@\hbox{#1}}%
20546 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20547 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
20548 }
20549 \def \XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
20550 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20551 \let \setRL=\setRTL
20552 \let \setLR=\setLTR
20553 \let \unsetRL=\setLTR
20554 \let \bidi@samed@eqno=\eqno
20555 \let \bidi@samed@leqno=\leqno
20556 \def \eqno{\ifnum\predisplaydirection<\z@ \bidi@samed@leqno \else \bidi@samed@eqno \fi}
20557 \def \leqno{\ifnum\predisplaydirection<\z@ \bidi@samed@eqno \else \bidi@samed@leqno \fi}
20558 \def \centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20559 \def \leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
20560 \def \rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```



133 File pstricks-xetex-bidi.def

```
20561 \ProvidesFile{pstricks-xetex-bidi.def}[2022/09/22 v0.6 bidi adaptations for pstricks package]
20562 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
20563 \def\endpspicture{%
20564   \ifshowgrid\ifnum\showgridp@s>0
20565     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
20566   \pst@killglue
20567 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
20568   \endgroup
20569   \egroup
20570   \ifdim\wd\pst@hbox=\z@\else
20571     %\@pstrickserr{Extraneous space in the pspicture environment}%
20572     %\Type \space <return> \space to proceed.}%
20573   \fi
20574   \ht\pst@hbox=\pst@dimd
20575   \dp\pst@hbox=-\pst@dimb
20576   \setbox\pst@hbox=\hbox{%
20577     \kern-\pst@dima
20578 %   Orig version -----
20579 %   \ifx\pst@tempa\@empty\else
20580 %   \advance\pst@dimd-\pst@dimb
20581 %   \pst@dimd=\pst@tempa\pst@dimd
20582 %   \advance\pst@dimd\pst@dimb
20583 %   \lower\pst@dimd
20584 %   \fi
20585 %----- end Orig
20586   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}%   shift=*
20587     \advance\pst@dimd-\pst@dimb
20588     \pst@dimd=0.5\pst@dimd
20589   \else\pst@dimd-\pst@shift\fi
20590   \advance\pst@dimd\pst@dimb
20591   \lower\pst@dimd
20592   \box\pst@hbox
20593   \kern\pst@dimc}%
20594   \ifstar\setbox\pst@hbox=\hbox{\clipbox@@\z@\}\fi
20595   \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
20596   \fboxsep=0pt
20597   \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
20598   \ifmmode\else\endL\fi
20599   \endgroup%
20600   \psset[pstricks]{shift=0}% reset value
20601 }
20602
20603 \bidi@patchcmd\@scalebox{%
20604   \special{x: bscale \pst@tempc \pst@tempd}%
20605   \hbox to \z@\{\box\pst@hbox\hss}%
20606   \special{x: escale}%
20607 }{%
20608   \if@RTL
20609     \special{x: escale}%
20610   \else
20611     \special{x: bscale \pst@tempc \pst@tempd}%
20612   \fi
```



```

20613 \hbox to \z@\box\pst@hbox\hss}%
20614 \if@RTL
20615   \special{x: bscale \pst@tempc \pst@tempd}%
20616 \else
20617   \special{x: escale}%
20618 \fi
20619 }{}{}
20620 \let\ps@@scalebox\@@scalebox
20621

```

134 File quotchap-xetex-bidi.def

```

20622 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
20623 \renewcommand{\qauthor}[1]{%
20624   \par\smallskip
20625   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}
20626 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
20627   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
20628     {\chapnumfont
20629       \ifnum \c@secnumdepth >\m@ne%
20630         \if@mainmatter\thechapter%
20631         \fi\fi
20632         \par\nobreak}%
20633     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi
20634     \nobreak\chapterheadendvskip}}
20635 \renewcommand*{\@iprintcites}{%
20636   \vbox to\z@\{\leavevmode\copy\@quotebox\vss}
20637   \global\let\@printcites\relax}

```

135 File ragged2e-xetex-bidi.def

```

20638 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
20639 \renewcommand{\Centering}{%
20640   \ifx\\ \@raggedtwo@savedcr
20641     \let\\ \@centercr
20642   \fi
20643   \let\@gnewline\@raggedtwo@gnewline
20644   \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
20645   \@rightskip\CenteringRightskip
20646   \if@RTL\leftskip\else\rightskip\fi\@rightskip
20647   \parfillskip\CenteringParfillskip
20648   \parindent\CenteringParindent
20649   \@raggedtwo@spaceskiptrue
20650   \@raggedtwo@everyselectfont
20651   }
20652 \renewcommand{\RaggedLeft}{%
20653   \ifx\\ \@raggedtwo@savedcr
20654     \let\\ \@centercr
20655   \fi
20656   \let\@gnewline\@raggedtwo@gnewline
20657   \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
20658   \@rightskip\RaggedLeftRightskip
20659   \if@RTL\leftskip\else\rightskip\fi\@rightskip
20660   \parfillskip\RaggedLeftParfillskip

```



```

20661 \parindent\RaggedLeftParindent
20662 \@raggedtwo@spaceskiptrue
20663 \@raggedtwo@everyselectfont
20664 }
20665 \renewcommand{\RaggedRight}{%
20666 \ifx\\ \@raggedtwo@savedcr
20667 \let\\ \@centercr
20668 \fi
20669 \let\@gnewline\@raggedtwo@gnewline
20670 \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
20671 \@rightskip\RaggedRightRightskip
20672 \if@RTL\leftskip\else\rightskip\fi\@rightskip
20673 \parfillskip\RaggedRightParfillskip
20674 \parindent\RaggedRightParindent
20675 \@raggedtwo@spaceskiptrue
20676 \@raggedtwo@everyselectfont
20677 }
20678 \renewcommand{\justifying}{%
20679 \let\\ \@raggedtwo@savedcr
20680 \let\@gnewline\@raggedtwo@saved@gnewline
20681 \if@RTL\rightskip\else\leftskip\fi\z@
20682 \@rightskip\z@
20683 \if@RTL\leftskip\else\rightskip\fi\@rightskip
20684 \parfillskip\JustifyingParfillskip
20685 \parindent\JustifyingParindent
20686 \@raggedtwo@spaceskipfalse
20687 \@raggedtwo@everyselectfont
20688 }
20689 \def\@raggedtwo@raggedrightboxes@opt{%
20690 \renewcommand{\@arrayparboxrestore}{%
20691 \let\if@nobreak\iffalse
20692 \let\if@noskipsec\iffalse
20693 \let\par\@par
20694 \let\-\@dischyph
20695 \let'\@acci\let`\@accii\let\=\@acciii
20696 \parskip\z@skip
20697 \everypar{}%
20698 \linewidth\hsize
20699 \@totalleftmargin\z@
20700 \if@RTL
20701 \RaggedLeft
20702 \else
20703 \RaggedRight
20704 \fi
20705 \lineskip\normallineskip
20706 \baselineskip\normalbaselineskip
20707 \sloppy}%
20708 \let\@raggedtwo@raggedrightboxes@opt\relax
20709 }
20710 \def\@raggedtwo@document@opt{%
20711 \AtBeginDocument{\@raggedtwo@abdhook}%
20712 \@raggedtwo@raggedrightboxes@opt
20713 \@raggedtwo@footmisctrue
20714 \let\@raggedtwo@document@opt\relax

```



```

20715 }
20716 \def\@raggedtwo@abdhook{%
20717   \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
20718     right to left documents and '\string\RaggedRight' for left
20719     to right documents}%
20720   \ifRTL
20721     \RaggedLeft
20722   \else
20723     \RaggedRight
20724   \fi
20725   \ifundefined{@tocrmarg}{}\edef\tocrmarg{\@tocrmarg plus 2em}}%
20726   \let\@raggedtwo@abdhook\relax
20727 }
20728 \ifpackagewith{ragged2e}{raggedrightboxes}{%
20729   \@raggedtwo@raggedrightboxes@opt
20730 }{}
20731 \@ifpackagewith{ragged2e}{document}{%
20732   \@raggedtwo@document@opt
20733 }{}
20734 \let\origin@RaggedLeft=\RaggedLeft
20735 \let\origin@RaggedRight=\RaggedRight
20736 \def\RaggedLeft{\ifRTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
20737 \def\RaggedRight{\ifRTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

136 File rapport1-xetex-bidi.def

```

20738 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class f
20739 \renewenvironment{theindex}{%
20740   \if@twocolumn
20741     \@restonecolfalse
20742   \else
20743     \@restonecoltrue
20744   \fi
20745   \columnseprule \z@
20746   \columnsep 35\p@
20747   \twocolumn[\@makeschapterhead{\indexname}]%
20748   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
20749   \thispagestyle{plain}\parindent\z@
20750   \parskip\z@ \@plus .3\p@\relax
20751   \let\item\@idxitem
20752 }{%
20753   \if@restonecol\onecolumn\else\clearpage\fi}
20754 \renewcommand*\head@style{%
20755   \interlinepenalty \@M
20756   \hyphenpenalty=\@M \exhyphenpenalty=\@M
20757   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
20758 \if@titlepage
20759   \renewenvironment{abstract}{%
20760     \titlepage
20761     \null\vfil
20762     \section*{\SectFont\abstractname}%
20763     \noindent\ignorespaces}
20764   {\par\vfil\null\endtitlepage}
20765 \else

```



```

20766 \renewenvironment{abstract}{%
20767     \if@twocolumn
20768         \section*{\abstractname}%
20769     \else
20770         \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
20771         \section*{\small\SectFont\abstractname}%
20772         \noindent\ignorespaces
20773     \fi}
20774     {\if@twocolumn\else\par\egroup\fi}
20775 \fi
20776 \renewcommand*\@regtocline[3]{%
20777     \ifnum #1>\c@tocdepth
20778     \else
20779         \vskip\z@\@plus.2\p@
20780         {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
20781         \if@RTL\rightskip\else\leftskip\fi\unitindent
20782         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
20783         \parfillskip\z@
20784         \@tempdima\unitindent
20785         \parindent\z@
20786         \leavevmode
20787         \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
20788         \hskip 1em \nobreak{\slshape #3}\par
20789     }%
20790     \fi}
20791 \if@oldtoc
20792 \renewcommand*\l@part[2]{%
20793     \ifnum \c@tocdepth >-2\relax
20794         \addpenalty{-\@highpenalty}%
20795         \addvspace{2.25em \@plus\p@}%
20796         \begingroup
20797             \setlength\@tempdima{3em}%
20798             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20799             \parfillskip -\@pnumwidth
20800             {\leavevmode
20801             \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
20802             \nobreak
20803             \global\@nobreaktrue
20804             \everypar{\global\@nobreakfalse\everypar{}}%
20805         \endgroup
20806     \fi}
20807 \else
20808     \renewcommand*\l@part{%
20809         \ifnum \c@tocdepth >-2\relax
20810             \addpenalty{-\@highpenalty}%
20811             \addvspace{2.25em \@plus \p@}%
20812             \@regtocline{0}%
20813         \fi}
20814 \fi
20815 \if@oldtoc
20816 \renewcommand*\l@chapter[2]{%
20817     \addpenalty{-\@highpenalty}%
20818     \vskip 1.0em \@plus\p@
20819     \setlength\@tempdima{1.5em}%

```



```

20820 \begingroup
20821 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
20822 \parfillskip -\@pnumwidth
20823 \leavevmode \bfseries
20824 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
20825 \hskip -\if@RTL\rightskip\else\leftskip\fi
20826 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
20827 \penalty\@highpenalty
20828 \endgroup}
20829 \else
20830 \renewcommand*\l@chapter{\@regtocline{0}}
20831 \fi
20832 \renewcommand*\left@footnoterule{%
20833 \kern-3\p@
20834 \kern.5\baselineskip
20835 \hrule\@width\unitindent
20836 \kern.4\baselineskip
20837 }
20838 \renewcommand*\right@footnoterule{%
20839 \kern-3\p@
20840 \kern.5\baselineskip
20841 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
20842 \kern.4\baselineskip}
20843 \renewenvironment{thebibliography}[1]
20844 {\chapter*{\bibname}%
20845 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
20846 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLBibitems\@RTLtrue\else\fi\fi
20847 \bidi@thebibliography@font@hook%
20848 \list{\@biblabel{\@arabic\c@enumiv}}%
20849 {\settowidth\labelwidth{\@biblabel{#1}}%
20850 \leftmargin\labelwidth
20851 \advance\leftmargin\labelsep
20852 \@openbib@code
20853 \usecounter{enumiv}%
20854 \let\p@enumiv\@empty
20855 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
20856 \sloppy\clubpenalty4000\widowpenalty4000%
20857 \sfcode\.\@m}
20858 {\def\@noitemerr
20859 {\@latex@warning{Empty `thebibliography' environment}}%
20860 \endlist}
20861 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
20862 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
20863 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
20864 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20865 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
20866 \renewcommand*\theequation{%
20867 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
20868 \renewcommand*\thefigure{%
20869 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
20870 \renewcommand*\thetable{%
20871 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
20872 \if@titlepage
20873 \renewcommand*\TitleFont{\rmfamily}

```



```

20874 \renewcommand*\maketitle{%
20875 \begin{titlepage}%
20876 \let\footnotesize\small
20877 \let\right@footnoterule\relax
20878 \let\left@footnoterule\relax
20879 \let\textwidth@footnoterule\relax
20880 \let \footnote \thanks
20881 \long\def\@makefntext##1{\parindent\z@
20882 \def\labelitemi{\textendash}\@revlabeltrue
20883 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
20884 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20885 \if@compatibility\setcounter{page}{0}\fi
20886 \null\vfil
20887 \vskip 60\p@
20888 \begin{center}%
20889 \TitleFont
20890 {\LARGE \def\{\penalty -\@M}
20891 \if@allcaps
20892 \expandafter\uc@nothanks\@title\thanks\relax
20893 \else
20894 \@title
20895 \fi\par}%
20896 \vskip 3em%
20897 {\large
20898 \lineskip .75em \parindent\z@
20899 \begin{tabular}[t]{c}%
20900 \if@allcaps
20901 \expandafter\uc@authornothanks\@author\and\relax
20902 \else
20903 \@author
20904 \fi
20905 \end{tabular}\par}%
20906 \vskip 1.5em%
20907 {\large
20908 \if@allcaps
20909 \uppercase\expandafter{\@date}%
20910 \else
20911 \@date
20912 \fi\par}%
20913 \end{center}\par
20914 \@thanks
20915 \vfil\null
20916 \end{titlepage}%
20917 \setcounter{footnote}{0}%
20918 \global\let\thanks\relax
20919 \global\let\maketitle\relax
20920 \global\let\@thanks\@empty
20921 \global\let\@author\@empty
20922 \global\let\@title\@empty
20923 \global\let\@date\@empty
20924 \global\let\title\relax
20925 \global\let\author\relax
20926 \global\let\date\relax
20927 \global\let\and\relax

```




```

20928 }
20929 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
20930 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
20931   \futurelet\@tempa\uc@ax}
20932 \def\uc@ax{%
20933   \ifx\@tempa\relax
20934   \else
20935     \ \andname \ \expandafter\uc@authornothanks
20936   \fi}
20937 \def\uc@tx{\ifx\@tempa\relax
20938   \else \expandafter\uc@ty \fi}
20939 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
20940 \else
20941 \renewcommand*\maketitle{\par
20942   \begin{group}
20943     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20944     \def\@makefnmark{\rlap{%
20945       \@textsuperscript{\normalfont\@thefnmark}}}%
20946     \long\def\@makefntext{\@xmakefntext{%
20947       \@textsuperscript{\normalfont\@thefnmark}}}%
20948     \if@twocolumn
20949       \ifnum \col@number=\@ne
20950         \@maketitle
20951       \else
20952         \twocolumn[\@maketitle]%
20953       \fi
20954     \else
20955       \newpage
20956       \global\@topnum\z@
20957       \@maketitle
20958     \fi
20959     \thispagestyle{plain}\@thanks
20960   \end{group}
20961   \setcounter{footnote}{0}%
20962   \global\let\thanks\relax
20963   \global\let\maketitle\relax
20964   \global\let\@maketitle\relax
20965   \global\let\@thanks\@empty
20966   \global\let\@author\@empty
20967   \global\let\@title\@empty
20968   \global\let\@date\@empty
20969   \global\let\title\relax
20970   \global\let\author\relax
20971   \global\let\date\relax
20972   \global\let\and\relax
20973 }
20974 \def\@maketitle{%
20975   \newpage
20976   \null
20977   \vskip 2em%
20978   \begin{center}%
20979     \let \footnote \thanks
20980     {\LARGE \TitleFont \@title \par}%
20981     \vskip 1.5em%

```



```

20982     {\large \TitleFont
20983       \lineskip .5em%
20984       \begin{tabular}[t]{c}%
20985         \@author
20986       \end{tabular}\par}%
20987     \vskip 1em%
20988     {\large \TitleFont \@date}%
20989 \end{center}%
20990 \par
20991 \vskip 1.5em}
20992 \fi

```

137 File rapport3-xetex-bidi.def

```

20993 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class f
20994 \renewenvironment{theindex}{%
20995   \if@twocolumn
20996     \@restonecolfalse
20997   \else
20998     \@restonecoltrue
20999   \fi
21000   \columnseprule \z@
21001   \columnsep 35\p@
21002   \twocolumn[\@makeschapterhead{\indexname}]%
21003   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
21004   \thispagestyle{plain}\parindent\z@
21005   \parskip\z@ \@plus .3\p@\relax
21006   \let\item\@idxitem
21007 }{%
21008   \if@restonecol\onecolumn\else\clearpage\fi}
21009 \if@titlepage
21010 \renewcommand*\TitleFont{\rmfamily}
21011 \renewcommand*\maketitle{%
21012   \begin{titlepage}%
21013     \let\footnotesize\small
21014     \let\right@footnoterule\relax
21015     \let\left@footnoterule\relax
21016     \let\textwidth@footnoterule\relax
21017     \let \footnote \thanks
21018     \let \LTRfootnote \LTRthanks
21019     \let \RTLfootnote \RTLthanks
21020     \long\def\@makefntext##1{\parindent\z@
21021       \def\labelitemi{\textendash}\@revlabeltrue
21022       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
21023     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21024     \if@compatibility\setcounter{page}{0}\fi
21025     \null\vfil
21026     \vskip 60\p@
21027     \begin{center}%
21028       \TitleFont
21029       {\LARGE \def\\{\penalty -\@M}
21030         \if@allcaps
21031           \expandafter\uc@nothanks\@title\thanks\relax
21032         \else

```



```

21033         \@title
21034         \fi\par}%
21035     \vskip 3em%
21036     {\large
21037     \lineskip .75em \parindent\z@
21038     \begin{tabular}[t]{c}%
21039         \if@allcaps
21040         \expandafter\uc@authornothanks\@author\and\relax
21041         \else
21042         \@author
21043         \fi
21044     \end{tabular}\par}%
21045     \vskip 1.5em%
21046     {\large
21047     \if@allcaps
21048     \uppercase\expandafter{\@date}%
21049     \else
21050     \@date
21051     \fi\par}%
21052     \end{center}\par
21053     \@thanks
21054     \vfil\null
21055 \end{titlepage}%
21056 \setcounter{footnote}{0}%
21057 \global\let\thanks\relax
21058 \global\let\LTRthanks\relax
21059 \global\let\RTLthanks\relax
21060 \global\let\maketitle\relax
21061 \global\let\@thanks\@empty
21062 \global\let\@author\@empty
21063 \global\let\@title\@empty
21064 \global\let\@date\@empty
21065 \global\let\title\relax
21066 \global\let\author\relax
21067 \global\let\date\relax
21068 \global\let\and\relax
21069 }
21070 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
21071 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
21072     \futurelet\@tempa\uc@ax}
21073 \def\uc@ax{%
21074     \ifx\@tempa\relax
21075     \else
21076     \ \andname \ \ \expandafter\uc@authornothanks
21077     \fi}
21078 \def\uc@tx{\ifx\@tempa\relax
21079     \else \expandafter\uc@ty \fi}
21080 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
21081 \else
21082 \renewcommand*\maketitle{\par
21083     \begingroup
21084     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21085     \def\@makefnmark{\rlap{%
21086         \textsuperscript{\normalfont\@thefnmark}}}%

```



```

21087 \long\def\@makefntext{\@xmakefntext{%
21088 \@textsuperscript{\normalfont\@thefnmark}}}%
21089 \if@twocolumn
21090 \ifnum \col@number=\@ne
21091 \@maketitle
21092 \else
21093 \twocolumn[\@maketitle]%
21094 \fi
21095 \else
21096 \newpage
21097 \global\@topnum\z@
21098 \@maketitle
21099 \fi
21100 \thispagestyle{plain}\@thanks
21101 \endgroup
21102 \setcounter{footnote}{0}%
21103 \global\let\thanks\relax
21104 \global\let\LTRthanks\relax
21105 \global\let\RTLthanks\relax
21106 \global\let\maketitle\relax
21107 \global\let\@maketitle\relax
21108 \global\let\@thanks\@empty
21109 \global\let\@author\@empty
21110 \global\let\@title\@empty
21111 \global\let\@date\@empty
21112 \global\let\title\relax
21113 \global\let\author\relax
21114 \global\let\date\relax
21115 \global\let\and\relax
21116 }
21117 \def\@maketitle{%
21118 \newpage
21119 \null
21120 \vskip 2em%
21121 \if@titlecentered
21122 \begin{center}%
21123 \let \footnote \thanks
21124 \let \LTRfootnote \LTRthanks
21125 \let \RTLfootnote \RTLthanks
21126 {\LARGE \TitleFont \@title \par}%
21127 \vskip 1.5em%
21128 {\large \TitleFont
21129 \lineskip .5em%
21130 \begin{tabular}[t]{c}%
21131 \@author
21132 \end{tabular}\par}%
21133 \vskip 1em%
21134 {\large \TitleFont \@date}%
21135 \end{center}%
21136 \else
21137 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
21138 {\large \TitleFont \lineskip .5em \tabcolsep\z@
21139 \def\and{%% \begin{tabular} has already started
21140 \end{tabular}\hskip 1em plus .17fil

```



```

21141             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabu
21142             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\
21143     \vskip 1em {\large \TitleFont \@date}
21144 \fi
21145 \par
21146 \vskip 1.5em}
21147 \fi
21148 \renewcommand*\@regtocoline[3]{%
21149 \ifnum #1>\c@tocdepth
21150 \else
21151     \vskip\z@\@plus.2\p@
21152     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
21153     \if@RTL\righskip\else\leftskip\fi\unitindent
21154     \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
21155     \parfillskip\z@
21156     \@tempdima\unitindent
21157     \parindent\z@
21158     \leavevmode
21159     \hbox{} \hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
21160     \hskip 1em \nobreak{\slshape #3}\par
21161     }%
21162 \fi}
21163 \if@oldtoc
21164 \renewcommand*\l@part[2]{%
21165 \ifnum \c@tocdepth >-2\relax
21166     \addpenalty{-\@highpenalty}%
21167     \addvspace{2.25em \@plus\p@}%
21168     \begingroup
21169     \setlength\@tempdima{3em}%
21170     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
21171     \parfillskip -\@pnumwidth
21172     {\leavevmode
21173     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21174     \nobreak
21175     \global\@nobreaktrue
21176     \everypar{\global\@nobreakfalse\everypar{}}%
21177     \endgroup
21178 \fi}
21179 \else
21180 \renewcommand*\l@part{%
21181 \ifnum \c@tocdepth >-2\relax
21182     \addpenalty{-\@highpenalty}%
21183     \addvspace{2.25em \@plus \p@}%
21184     \@regtocoline{0}%
21185 \fi}
21186 \fi
21187 \if@oldtoc
21188 \renewcommand*\l@chapter[2]{%
21189 \addpenalty{-\@highpenalty}%
21190 \vskip 1.0em \@plus\p@
21191 \setlength\@tempdima{1.5em}%
21192 \begingroup
21193 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
21194 \parfillskip -\@pnumwidth

```



```

21195 \leavevmode \bfseries
21196 \advance\if@RTL\rightskip\else\leftskip\fi@tempdima
21197 \hskip -\if@RTL\rightskip\else\leftskip\fi
21198 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21199 \penalty\@highpenalty
21200 \endgroup}
21201 \else
21202 \renewcommand*\l@chapter{\@regtocline{0}}
21203 \fi
21204 \renewcommand*\head@style{%
21205 \interlinepenalty \@M
21206 \hyphenpenalty=\@M \exhyphenpenalty=\@M
21207 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
21208 \if@titlepage
21209 \renewenvironment{abstract}{%
21210 \titlepage
21211 \null\vfil
21212 \section*{\SectFont\abstractname}%
21213 \noindent\ignorespaces}
21214 {\par\vfil\null\endtitlepage}
21215 \else
21216 \renewenvironment{abstract}{%
21217 \if@twocolumn
21218 \section*{\abstractname}%
21219 \else
21220 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
21221 \section*{\small\SectFont\abstractname}%
21222 \noindent\ignorespaces
21223 \fi}
21224 {\if@twocolumn\else\par\egroup\fi}
21225 \fi
21226 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
21227 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
21228 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
21229 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
21230 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
21231 \renewcommand*\thefigure{%
21232 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
21233 \renewcommand*\thetable{%
21234 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
21235 \renewcommand*\theequation{%
21236 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
21237 \renewenvironment{thebibliography}[1]
21238 {\chapter*{\bibname}%
21239 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
21240 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21241 \bidi@thebibliography@font@hook%
21242 \list{\@biblabel{\@arabic\c@enumiv}}%
21243 {\settowidth\labelwidth{\@biblabel{#1}}%
21244 \leftmargin\labelwidth
21245 \advance\leftmargin\labelsep
21246 \@openbib@code
21247 \usecounter{enumiv}}%
21248 \let\p@enumiv\@empty

```



```

21249         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
21250         \sloppy\clubpenalty4000\widowpenalty4000%
21251         \sfcode`\.\@m}
21252     {\def\@noitemerr
21253         {\@latex@warning{Empty `thebibliography' environment}}}%
21254     \endlist}
21255 \renewcommand*\left@footnoterule{%
21256     \kern-3\p@
21257     \kern.5\baselineskip
21258     \hrule\@width\unitindent
21259     \kern.4\baselineskip
21260 }
21261 \renewcommand*\right@footnoterule{%
21262     \kern-3\p@
21263     \kern.5\baselineskip
21264     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
21265     \kern.4\baselineskip}
21266 \renewcommand*\head@style{%
21267     \interlinepenalty \@M
21268     \hyphenpenalty=\@M \exhyphenpenalty=\@M
21269     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

138 File refrep-xetex-bidi.def

```

21270 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for X
21271 \if@titlepage
21272 \renewcommand\maketitle{\begin{titlepage}%
21273 \let\footnotesize\small
21274 \let\right@footnoterule\relax
21275 \let\left@footnoterule\relax
21276 \let\textwidth@footnoterule\relax
21277 \let\footnote\thanks
21278 \let\LTRfootnote\LTRthanks
21279 \let\RTLfootnote\RTLthanks
21280 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21281 \def\@makefnmark%
21282     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21283 \long\def\@makefntext##1{%
21284     \setpar{\@par
21285         \@tempdima = \hsize
21286         \advance\@tempdima -1em
21287         \parshape \@ne 1em \@tempdima}%
21288     \par\parindent 1em \noindent
21289     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
21290 \null\vfil
21291 \vskip 60\p@
21292 \begin{center}%
21293     {\LARGE \@title \par}%
21294     \vskip 3em%
21295     {\large
21296         \lineskip .75em%
21297         \begin{tabular}[t]{c}%
21298             \@author
21299         \end{tabular}\par}%

```



```

21300     \vskip 1.5em%
21301     {\large \@date \par}%           % Set date in \large size.
21302 \end{center}\par
21303 \@thanks
21304 \vfil\null
21305 \end{titlepage}%
21306 \setcounter{footnote}{0}%
21307 \global\let\thanks\relax
21308 \global\let\LTRthanks\relax
21309 \global\let\RTLthanks\relax
21310 \global\let\maketitle\relax
21311 \global\let\@thanks\@empty
21312 \global\let\@author\@empty
21313 \global\let\@date\@empty
21314 \global\let\@title\@empty
21315 \global\let\title\relax
21316 \global\let\author\relax
21317 \global\let\date\relax
21318 \global\let\and\relax
21319 }
21320 \else
21321 \renewcommand\maketitle{\par
21322   \begingroup
21323     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21324     \def\@makefnmark%
21325       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21326     \long\def\@makefntext##1{%
21327       \@setpar{\@par
21328         \@tempdima = \hsize
21329         \advance\@tempdima -1em
21330         \parshape \@ne 1em \@tempdima}%
21331       \par\parindent 1em \noindent
21332       \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,\}##1}
21333     \if@twocolumn
21334       \ifnum \col@number=\@ne
21335         \@maketitle
21336       \else
21337         \twocolumn[\@maketitle]%
21338       \fi
21339     \else
21340       \newpage
21341       \global\@topnum\z@ % Prevents figures from going at top of page.
21342       \@maketitle
21343     \fi
21344     \thispagestyle{empty}\@thanks
21345   \endgroup
21346   \setcounter{footnote}{0}%
21347   \global\let\thanks\relax
21348   \global\let\LTRthanks\relax
21349   \global\let\RTLthanks\relax
21350   \global\let\maketitle\relax
21351   \global\let\@maketitle\relax
21352   \global\let\@thanks\@empty
21353   \global\let\@author\@empty

```




```

21354 \global\let\@date\@empty
21355 \global\let\@title\@empty
21356 \global\let\title\relax
21357 \global\let\author\relax
21358 \global\let\date\relax
21359 \global\let\and\relax
21360 }
21361 \def\@maketitle{%
21362   \newpage
21363   \null
21364   \longthickrule\vskip1.5em%
21365   \let \footnote \thanks
21366   \let \LTRfootnote \LTRthanks
21367   \let \RTLfootnote \RTLthanks
21368   {\secshape \parskip\z@ \parindent\z@
21369   \Large\bfseries \@title \par}%
21370   \vskip1.5em\longthickrule\vskip1.5em%
21371   {\normalsize
21372   \lineskip .5em%
21373   \begin{flushright}%
21374     {\slshape\@author\par}
21375     \vskip 1em%
21376     {\@date}%
21377   \end{flushright}\par}%
21378   \vskip 1.5em}
21379 \fi
21380 \renewcommand*\l@part[2]{%
21381   \ifnum \c@tocdepth >-2\relax
21382     \addpenalty{-\@highpenalty}%
21383     \addvspace{2.25em \@plus\p@}%
21384     \begingroup
21385       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21386       \parfillskip -\@pnumwidth
21387       {\leavevmode
21388       \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
21389       \nobreak
21390       \global\@nobreaktrue
21391       \everypar{\global\@nobreakfalse\everypar{}}%
21392     \endgroup
21393   \fi}
21394 \renewcommand*\l@chapter[2]{%
21395   \ifnum \c@tocdepth >\m@ne
21396     \addpenalty{-\@highpenalty}%
21397     \vskip 1.0em \@plus\p@
21398     \setlength\@tempdima{1.5em}%
21399     \begingroup
21400       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21401       \parfillskip -\@pnumwidth
21402       \leavevmode \bfseries
21403       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21404       \hskip -\if@RTL\rightskip\else\leftskip\fi
21405       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21406       \penalty\@highpenalty
21407     \endgroup

```



```

21408 \fi}
21409 \renewcommand\secshape{\ifRTL\righskip\else\leftskip\fi=-\leftmarginwidth%
21410 \ifRTL\leftskip\else\righskip\fi=\@flushglue%
21411 \hyphenpenalty=2000}
21412 \renewcommand\left@footnoterule{%
21413 \kern-3\p@
21414 \hrule\@width.4\columnwidth
21415 \kern 2.6\p@}
21416 \renewcommand\right@footnoterule{%
21417 \kern-3\p@
21418 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21419 \kern2.6\p@}
21420 \renewcommand\theequation
21421 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21422 \renewcommand\thefigure
21423 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21424 \renewcommand\thetable%
21425 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21426 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
21427 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
21428 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
21429 \renewcommand\theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
21430 \renewcommand\thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
21431 \renewenvironment{thebibliography}[1]
21432 {\chapter*{\bibname
21433 \mkboth{\bibname}{\bibname}}%
21434 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLBibitems\@RTLtrue\else\fi\fi
21435 \bidi@thebibliography@font@hook%
21436 \list{\@biblabel{\@arabic\c@enumiv}}%
21437 {\settowidth\labelwidth{\@biblabel{#1}}%
21438 \leftmargin\labelwidth
21439 \advance\leftmargin\labelsep
21440 \openbib@code
21441 \usecounter{enumiv}}%
21442 \let\p@enumiv\@empty
21443 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21444 \sloppy
21445 \clubpenalty4000
21446 \@clubpenalty \clubpenalty
21447 \widowpenalty4000%
21448 \sfcode`\.=\@m}
21449 {\def\@noitemerr
21450 {\@latex@warning{Empty `thebibliography' environment}}}%
21451 \endlist}

```

139 File report-xetex-bidi.def

```

21452 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report cl
21453 \renewenvironment{theindex}
21454 {\if@twocolumn
21455 \@restonecolfalse
21456 \else
21457 \@restonecoltrue
21458 \fi

```



```

21459         \columnseprule \z@
21460         \columnsep 35\p@
21461         \twocolumn[\@makeschapterhead{\indexname}]%
21462         \@mkboth{\MakeUppercase\indexname}%
21463             {\MakeUppercase\indexname}%
21464         \thispagestyle{plain}\parindent\z@
21465         \parskip\z@ \@plus .3\p@\relax
21466         \let\item\@idxitem}
21467     {\if@restonecol\onecolumn\else\clearpage\fi}
21468 \if@titlepage
21469 \renewcommand\maketitle{\begin{titlepage}%
21470 \let\footnotesize\small
21471 \let\right@footnoterule\relax
21472 \let\left@footnoterule\relax
21473 \let\textwidth@footnoterule\relax
21474 \let \footnote \thanks
21475 \let \LTRfootnote \LTRthanks
21476 \let \RTLfootnote \RTLthanks
21477 \null\vfil
21478 \vskip 60\p@
21479 \begin{center}%
21480     {\LARGE \@title \par}%
21481     \vskip 3em%
21482     {\large
21483       \lineskip .75em%
21484       \begin{tabular}[t]{c}%
21485         \@author
21486       \end{tabular}\par}%
21487     \vskip 1.5em%
21488     {\large \@date \par}%           % Set date in \large size.
21489 \end{center}\par
21490 \@thanks
21491 \vfil\null
21492 \end{titlepage}%
21493 \setcounter{footnote}{0}%
21494 \global\let\thanks\relax
21495 \global\let\LTRthanks\relax
21496 \global\let\RTLthanks\relax
21497 \global\let\maketitle\relax
21498 \global\let\@thanks\@empty
21499 \global\let\@author\@empty
21500 \global\let\@date\@empty
21501 \global\let\@title\@empty
21502 \global\let\title\relax
21503 \global\let\author\relax
21504 \global\let\date\relax
21505 \global\let\and\relax
21506 }
21507 \else
21508 \renewcommand\maketitle{\par
21509 \begingroup
21510   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
21511   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
21512   \long\def\@makefntext##1{\parindent 1em\noindent

```



```

21513         \hb@xt@1.8em{%
21514             \hss\@textsuperscript{\normalfont\@thefnmark}##1}%
21515     \if@twocolumn
21516         \ifnum \col@number=\@ne
21517             \@maketitle
21518         \else
21519             \twocolumn[\@maketitle]%
21520         \fi
21521     \else
21522         \newpage
21523         \global\@topnum\z@ % Prevents figures from going at top of page.
21524         \@maketitle
21525     \fi
21526     \thispagestyle{plain}\@thanks
21527 \endgroup
21528 \setcounter{footnote}{0}%
21529 \global\let\thanks\relax
21530 \global\let\LTRthanks\relax
21531 \global\let\RTLthanks\relax
21532 \global\let\maketitle\relax
21533 \global\let\@maketitle\relax
21534 \global\let\@thanks\@empty
21535 \global\let\@author\@empty
21536 \global\let\@date\@empty
21537 \global\let\@title\@empty
21538 \global\let\title\relax
21539 \global\let\author\relax
21540 \global\let\date\relax
21541 \global\let\and\relax
21542 }
21543 \def\@maketitle{%
21544     \newpage
21545     \null
21546     \vskip 2em%
21547     \begin{center}%
21548         \let \footnote \thanks
21549         \let \LTRfootnote \LTRthanks
21550         \let \RTLfootnote \RTLthanks
21551         {\LARGE \@title \par}%
21552         \vskip 1.5em%
21553         {\large
21554             \lineskip .5em%
21555             \begin{tabular}[t]{c}%
21556                 \@author
21557             \end{tabular}\par}%
21558         \vskip 1em%
21559         {\large \@date}%
21560     \end{center}%
21561     \par
21562     \vskip 1.5em}
21563 \fi
21564 \renewcommand*\l@part[2]{%
21565     \ifnum \c@tocdepth >-2\relax
21566         \addpenalty{-\@highpenalty}%

```



```

21567 \addvspace{2.25em \@plus\p@}%
21568 \setlength\@tempdima{3em}%
21569 \begingroup
21570 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21571 \parfillskip -\@pnumwidth
21572 {\leavevmode
21573 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
21574 \nobreak
21575 \global\@nobreaktrue
21576 \everypar{\global\@nobreakfalse\everypar{}}}%
21577 \endgroup
21578 \fi}
21579 \renewcommand*\l@chapter[2]{%
21580 \ifnum \c@tocdepth >\m@ne
21581 \addpenalty{-\@highpenalty}%
21582 \vskip 1.0em \@plus\p@
21583 \setlength\@tempdima{1.5em}%
21584 \begingroup
21585 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
21586 \parfillskip -\@pnumwidth
21587 \leavevmode \bfseries
21588 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
21589 \hskip -\if@RTL\rightskip\else\leftskip\fi
21590 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
21591 \penalty\@highpenalty
21592 \endgroup
21593 \fi}
21594 \renewcommand\left@footnoterule{%
21595 \kern-3\p@
21596 \hrule\@width.4\columnwidth
21597 \kern2.6\p@}
21598 \renewcommand\right@footnoterule{%
21599 \kern-3\p@
21600 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
21601 \kern2.6\p@}
21602 \renewcommand\theequation
21603 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
21604 \renewcommand \thefigure
21605 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
21606 \renewcommand \thetable
21607 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
21608 \renewcommand \thechapter {\@arabic\c@chapter}
21609 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
21610 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
21611 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
21612 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
21613 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
21614 \def\@makechapterhead#1{%
21615 \vspace*{50\p@}%
21616 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
21617 \ifnum \c@secnumdepth >\m@ne
21618 \huge\bfseries \@chapapp\space \thechapter
21619 \par\nobreak
21620 \vskip 20\p@

```



```

21621 \fi
21622 \interlinepenalty\@M
21623 \Huge \bfseries #1\par\nobreak
21624 \vskip 40\p@
21625 }}
21626 \def\@makeschapterhead#1{%
21627 \vspace*{50\p@}%
21628 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
21629 \normalfont
21630 \interlinepenalty\@M
21631 \Huge \bfseries #1\par\nobreak
21632 \vskip 40\p@
21633 }}
21634 \renewenvironment{thebibliography}[1]
21635 {\chapter*{\bibname}%
21636 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
21637 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21638 \bidi@thebibliography@font@hook%
21639 \list{\@biblabel{\@arabic\c@enumiv}}%
21640 {\settowidth\labelwidth{\@biblabel{#1}}%
21641 \leftmargin\labelwidth
21642 \advance\leftmargin\labelsep
21643 \@openbib@code
21644 \usecounter{enumiv}%
21645 \let\p@enumiv\@empty
21646 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
21647 \sloppy
21648 \clubpenalty4000
21649 \@clubpenalty \clubpenalty
21650 \widowpenalty4000%
21651 \sfcode`..\@m}
21652 {\def\@noitemerr
21653 {\@latex@warning{Empty `thebibliography' environment}}}%
21654 \endlist}

```

140 File rotating-xetex-bidi.def

```

21655 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
21656 \def\end@rotfloat{%
21657 \end{minipage}\end{lrbox}%
21658 \stepcounter{r@tfl@t}%
21659 \rot@label{RF\ther@tfl@t}%
21660 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21661 \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
21662 \rot@mess@toks\expandafter{\@tempa}
21663 \wd\rot@float@box\z@
21664 \ht\rot@float@box\z@
21665 \dp\rot@float@box\z@
21666 \vboxL to \textheight{%
21667 \setkeys{Grot}{units=360}%
21668 \if@rot@twoside
21669 \else
21670 \let\R@@page\rot@LR
21671 \fi

```



```

21672 \ifthenelse{\isodd{\R@@page}}{%
21673 \if@rot@twoside
21674 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
21675 \fi
21676 \vfill
21677 \@@line{%
21678 \hskip\rotFPtop
21679 \rotatebox{90}{\box\rot@float@box}%
21680 \hskip\rotFPbot
21681 }%
21682 }{%
21683 \if@rot@twoside
21684 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
21685 \fi
21686 \@@line{%
21687 \hskip\rotFPbot
21688 \rotatebox{-90}{\box\rot@float@box}%
21689 \hskip\rotFPtop
21690 }%
21691 \vfill
21692 }%
21693 \rot@message{\the\rot@mess@toks}
21694 }%
21695 \end@float
21696 }
21697 \let\endsidewaysfigure\end@rotfloat
21698 \let\endsidewaysstable\end@rotfloat
21699 \def\end@rotdblfloat{%
21700 \end{minipage}\end{lrbox}%
21701 \stepcounter{r@tfl@t}%
21702 \rot@label{RF\ther@tfl@t}%
21703 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
21704 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
21705 \rot@mess@toks\expandafter{\@tempa}
21706 \@tempdima\ht\rot@float@box
21707 \advance\@tempdima by \dp\rot@float@box
21708 \wd\rot@float@box\z@
21709 \ht\rot@float@box\z@
21710 \dp\rot@float@box\z@
21711 \vboxL to \textheight{%
21712 \setkeys{Grot}{units=360}%
21713 \if@rot@twoside
21714 \else
21715 \let\R@@page\rot@LR
21716 \fi
21717 \ifthenelse{\isodd{\R@@page}}{%
21718 \ifrot@messages
21719 \if@rot@twoside
21720 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
21721 \fi
21722 \fi
21723 \vfill
21724 \@@line{%
21725 \hskip\rotFPtop

```



```

21726         \rotatebox{90}{\box\rot@float@box}%
21727         \hskip\rotFPbot
21728     }%
21729 }{%
21730     \ifrot@messages
21731     \if@rot@twoside
21732 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
21733 \fi
21734     \fi%
21735     \@@line{%
21736         \hskip\rotFPbot
21737         \rotatebox{-90}{\box\rot@float@box}%
21738         \hskip\rotFPtop
21739     }%
21740     \vfill
21741 }%
21742 \rot@message{\the\rot@mess@toks}%
21743 }%
21744 \end@dblfloat
21745 }
21746 \def\turn#1{%
21747 \Grot@setangle{#1}%
21748 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21749 \def\endturn{%
21750 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21751 \unskip\color@endbox
21752 \Grot@x\z@
21753 \Grot@y\z@
21754 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21755 }
21756 \def\rotate#1{%
21757 \Grot@setangle{#1}%
21758 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21759 \def\endrotate{%
21760 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21761 \unskip\color@endbox
21762 \Grot@x\z@
21763 \Grot@y\z@
21764 \wd0\z@\dp0\z@\ht0\z@
21765 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21766 }
21767 \def\turnbox#1#2{%
21768 \Grot@setangle{#1}%
21769 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
21770 \Grot@x\z@\Grot@y\z@
21771 \wd0\z@\dp0\z@\ht0\z@
21772 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21773 }
21774 \def\sideways{%
21775 \Grot@setangle{90}%
21776 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
21777 \def\endsideways{%
21778 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
21779 \unskip\color@endbox

```




```

21780 \Grot@x\z@
21781 \Grot@y\z@
21782 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
21783 }

```

141 File `scrartcl-xetex-bidi.def`

```

21784 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class f
21785 \newcommand{\scr@saved@LTRfootnotetext}{}
21786 \newcommand{\scr@saved@RTLfootnotetext}{}
21787 \let\scr@saved@footnotetext\@footnotetext
21788 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
21789 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
21790 \renewcommand{\@footnotetext}[1]{%
21791   \scr@saved@footnotetext{#1}%
21792   \csname FN@mfb@prepare\endcsname
21793 }
21794 \renewcommand{\@LTRfootnotetext}[1]{%
21795   \scr@saved@LTRfootnotetext{#1}%
21796   \csname FN@mfb@prepare\endcsname
21797 }
21798 \renewcommand{\@RTLfootnotetext}[1]{%
21799   \scr@saved@RTLfootnotetext{#1}%
21800   \csname FN@mfb@prepare\endcsname
21801 }
21802 \renewcommand\deffootnote[4] [] [%
21803   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
21804     \long\def\@makefnmark##1{%
21805       \ExecuteDoHook{footnote/text/begin}%
21806       \raggedfootnote
21807       \if@RTL
21808         \rightskip
21809       \else
21810         \leftskip
21811       \fi
21812       #2
21813       \l@addto@macro\@trivlist{%
21814         \ifnum\@listdepth=\@ne
21815           \if@RTL
21816             \advance\rightmargin #2\relax
21817           \else
21818             \advance\leftmargin #2\relax
21819           \fi
21820         \fi
21821       }%
21822       \parindent #3\noindent
21823       \IfArgIsEmpty{#1}{}{%
21824         \hskip \dimexpr #1-#2\relax
21825       }%
21826       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21827       \ExecuteDoHook{footnote/text/end}%
21828     }%
21829   \else
21830     \ClassInfo{\KOMAClassName}{%

```



```

21831     Using old \string\@makefnmark\space due to compatibility
21832     level\MessageBreak
21833     less than 3.22}%
21834 \long\def\@makefnmark##1{%
21835   \setlength{\@tempdimc}{#3}%
21836   \def\@tempa{#1}\ifx\@tempa\@empty
21837     \setpar{\@par
21838       \@tempdima = \hsize
21839       \addtolength{\@tempdima}{-#2}%
21840       \if@RTL
21841         \parshape \@ne \z@ \@tempdima
21842       \else
21843         \parshape \@ne #2 \@tempdima
21844       \fi}%
21845   \else
21846     \addtolength{\@tempdimc}{#2}%
21847     \addtolength{\@tempdimc}{-#1}%
21848     \setpar{\@par
21849       \@tempdima = \hsize
21850       \addtolength{\@tempdima}{-#1}%
21851       \@tempdimb = \hsize
21852       \addtolength{\@tempdimb}{-#2}%
21853       \if@RTL
21854         \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
21855       \else
21856         \parshape \tw@ #1 \@tempdima #2 \@tempdimb
21857       \fi
21858     }%
21859   \fi
21860   \par
21861   \parindent\@tempdimc\noindent
21862   \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
21863 }%
21864 \fi
21865 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
21866 }
21867 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
21868 \renewcommand*\left@footnoterule{%
21869   \normalsize\ftn@rule@test@values
21870   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21871   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21872   {\usekomafont{footnoterule}{%
21873     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
21874   \kern 2.6\p@}
21875 \renewcommand*\right@footnoterule{%
21876   \normalsize\ftn@rule@test@values
21877   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
21878   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
21879   {\usekomafont{footnoterule}{%
21880     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
21881     \kern 2.6\p@}
21882 \renewcommand*\maketitle[1][1]{%
21883   \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
21884   \else

```



```

21885   \def\and{%
21886     \end{tabular}%
21887     \hskip 1em \@plus.17fil%
21888     \begin{tabular}[t]{c}%
21889   }%
21890 \fi
21891 \if@titlepage
21892   \begin{titlepage}
21893     \setcounter{page}{%
21894       #1%
21895     }%
21896   \if@titlepageiscoverpage
21897     \edef\tITLEPAGE@restore{%
21898       \noexpand\endgroup
21899       \noexpand\global\noexpand\@colht\the\@colht
21900       \noexpand\global\noexpand\@colroom\the\@colroom
21901       \noexpand\global\vsizethe\vsizethe
21902       \noexpand\global\noexpand\@titlepageiscoverpagefalse
21903       \noexpand\let\noexpand\tITLEPAGE@restore\noexpand\relax
21904     }%
21905     \begin{group}
21906       \topmargin=\dimexpr \coverpagetopmargin-1in\relax
21907       \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
21908       \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
21909       \textwidth=\dimexpr
21910       \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
21911       \textheight=\dimexpr
21912       \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
21913       \headheight=0pt
21914       \headsep=0pt
21915       \footskip=\baselineskip
21916       \@colht=\textheight
21917       \@colroom=\textheight
21918       \vsizethe=\textheight
21919       \columnwidth=\textwidth
21920       \hsizethe=\columnwidth
21921       \linewidth=\hsizethe
21922     \else
21923       \let\tITLEPAGE@restore\relax
21924     \fi
21925     \let\footnotesize\small
21926     \let\right@footnoterule\relax
21927     \let\left@footnoterule\relax
21928     \let\textwidth@footnoterule\relax
21929     \let\footnote\thanks
21930     \let\LTRfootnote\LTRthanks
21931     \let\RTLfootnote\RTLthanks
21932     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
21933     \let\@oldmakefnmark\@makefnmark
21934     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
21935     \ifx\@extratitle\@empty
21936       \ifx\@frontispiece\@empty
21937       \else
21938         \if@twoside\mbox{}\next@tpage\fi

```



```

21939         \noindent\@frontispiece\next@tdpage
21940     \fi
21941 \else
21942     \noindent\@extratitle
21943     \ifx\@frontispiece\@empty
21944     \else
21945         \next@tpage
21946         \noindent\@frontispiece
21947     \fi
21948     \next@tdpage
21949 \fi
21950 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
21951 \ifx\@titlehead\@empty \else
21952     \begin{minipage}[t]{\textwidth}%
21953         \usekomafont{titlehead}{\@titlehead\par}%
21954     \end{minipage}\par
21955 \fi
21956 \null\vfill
21957 \begin{center}
21958     \ifx\@subject\@empty \else
21959         {\usekomafont{subject}{\@subject\par}}%
21960         \vskip 3em
21961     \fi
21962     {\usekomafont{title}{\huge \@title\par}}%
21963     \vskip 1em
21964     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
21965     \vskip 2em
21966     {%
21967         \usekomafont{author}{%
21968             \lineskip 0.75em
21969             \begin{tabular}[t]{c}
21970                 \@author
21971             \end{tabular}\par
21972         }%
21973     }%
21974     \vskip 1.5em
21975     {\usekomafont{date}{\@date \par}}%
21976     \vskip \z@ \@plus3fill
21977     {\usekomafont{publishers}{\@publishers \par}}%
21978     \vskip 3em
21979 \end{center}\par
21980 \@thanks\global\let\@thanks\@empty
21981 \vfill\null
21982 \if@twoside
21983     \@tempswatruue
21984     \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
21985     \else
21986         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
21987             \@tempswafalse
21988         \fi\fi
21989     \fi
21990 \if@tempswa
21991     \next@tpage
21992     \begin{minipage}[t]{\textwidth}

```



```

21993         \@uppertitleback
21994     \end{minipage}\par
21995     \vfill
21996     \begin{minipage}[b]{\textwidth}
21997         \@lowertitleback
21998     \end{minipage}\par
21999     \@thanks\global\let\@thanks\@empty
22000 \fi
22001 \else
22002     \ifx\@uppertitleback\@empty\else
22003         \ClassWarning{\KOMAClassName}{%
22004             non empty \string\uppertitleback\space ignored
22005             by \string\maketitle\MessageBreak
22006             in `twoside=false' mode%
22007         }%
22008     \fi
22009     \ifx\@lowertitleback\@empty\else
22010         \ClassWarning{\KOMAClassName}{%
22011             non empty \string\lowertitleback\space ignored
22012             by \string\maketitle\MessageBreak
22013             in `twoside=false' mode%
22014         }%
22015     \fi
22016 \fi
22017 \ifx\@dedication\@empty
22018 \else
22019     \next@tdpage\null\vfill
22020     {\centering\usekomafont{dedication}{\@dedication \par}}%
22021     \vskip \z@ \@plus3fill
22022     \@thanks\global\let\@thanks\@empty
22023     \cleardoubleemptypage
22024 \fi
22025 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
22026 \end{titlepage}
22027 \else
22028     \par
22029     \@tempcnta=%
22030     #1%
22031     \relax\ifnum\@tempcnta=1\else
22032         \ClassWarning{\KOMAClassName}{%
22033             Optional argument of \string\maketitle\space ignored\MessageBreak
22034             in `titlepage=false' mode%
22035         }%
22036     \fi
22037     \ifx\@uppertitleback\@empty\else
22038         \ClassWarning{\KOMAClassName}{%
22039             non empty \string\uppertitleback\space ignored
22040             by \string\maketitle\MessageBreak
22041             in `titlepage=false' mode%
22042         }%
22043     \fi
22044     \ifx\@lowertitleback\@empty\else
22045         \ClassWarning{\KOMAClassName}{%
22046             non empty \string\lowertitleback\space ignored

```



```

22047     by \string\maketitle\MessageBreak
22048     in `titlepage=false' mode%
22049   }%
22050 \fi
22051 \begingroup
22052   \let\titlepage@restore\relax
22053   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22054   \let\@oldmakefnmark\@makefnmark
22055   \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
22056   \next@tdpage
22057 \if@twocolumn
22058   \ifnum \col@number=\@ne
22059     \ifx\@extratitle\@empty
22060       \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22061     \else
22062       \@makeextratitle
22063     \fi
22064     \ifx\@frontispiece\@empty
22065       \ifx\@extratitle\@empty\else\next@tdpage\fi
22066     \else
22067       \next@tpage
22068       \@makefrontispiece
22069       \next@tdpage
22070     \fi
22071     \@maketitle
22072   \else
22073     \ifx\@extratitle\@empty
22074       \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22075     \else
22076       \twocolumn[\@makeextratitle]%
22077     \fi
22078     \ifx\@frontispiece\@empty
22079       \ifx\@extratitle\@empty\else\next@tdpage\fi
22080     \else
22081       \next@tpage
22082       \twocolumn[\@makefrontispiece]%
22083     \next@tdpage
22084   \fi
22085   \twocolumn[\@maketitle]%
22086 \fi
22087 \else
22088   \ifx\@extratitle\@empty
22089     \ifx\@frontispiece\@empty\else \mbox{}\fi
22090   \else
22091     \@makeextratitle
22092   \fi
22093   \ifx\@frontispiece\@empty
22094     \ifx\@extratitle\@empty\else\next@tdpage\fi
22095   \else
22096     \next@tpage
22097     \@makefrontispiece
22098     \next@tdpage
22099   \fi
22100   \@maketitle

```



```

22101     \fi
22102     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22103     \@thanks\global\let\@thanks\@empty
22104   \endgroup
22105 \fi
22106 \setcounter{footnote}{0}%
22107 \expandafter\ifnum \cscname scr@v3.12\endcscname>\scr@compatibility\relax
22108   \let\thanks\relax
22109   \let\LTRthanks\relax
22110   \let\RTLthanks\relax
22111   \let\maketitle\relax
22112   \let\@maketitle\relax
22113   \global\let\@thanks\@empty
22114   \global\let\@author\@empty
22115   \global\let\@date\@empty
22116   \global\let\@title\@empty
22117   \global\let\@subtitle\@empty
22118   \global\let\@extratitle\@empty
22119   \global\let\@frontispiece\@empty
22120   \global\let\@titlehead\@empty
22121   \global\let\@subject\@empty
22122   \global\let\@publishers\@empty
22123   \global\let\@uppertitleback\@empty
22124   \global\let\@lowertitleback\@empty
22125   \global\let\@dedication\@empty
22126   \global\let\author\relax
22127   \global\let\title\relax
22128   \global\let\extratitle\relax
22129   \global\let\titlehead\relax
22130   \global\let\subject\relax
22131   \global\let\publishers\relax
22132   \global\let\uppertitleback\relax
22133   \global\let\lowertitleback\relax
22134   \global\let\dedication\relax
22135   \global\let\date\relax
22136 \fi
22137 \global\let\and\relax
22138 }%
22139 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
22140 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
22141 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
22142 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
22143 \renewcommand*{\thesubsubsection}{%
22144   \thesubsection\@SepMark\@arabic\c@subsubsection
22145 }
22146 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
22147 \renewcommand*{\thesubparagraph}{%
22148   \theparagraph\@SepMark\@arabic\c@subparagraph
22149 }
22150 \renewenvironment{thebibliography}[1]{%
22151   \if@bib@break@
22152     \bib@beginhook
22153   \else
22154     \bib@heading

```



```

22155 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
22156 \noindent\bibpreamble\par\nobreak
22157 \fi\fi
22158 \bib@beginhook
22159 \bib@before@hook
22160 \fi
22161 \renewcommand{\BreakBibliography}[1]{%
22162 \@bib@break
22163 \end{thebibliography}%
22164 \begingroup ##1\endgroup
22165 \begin{thebibliography}{#1}
22166 }%
22167 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
22168 \bidi@thebibliography@font@hook%
22169 \list{%
22170 \@biblabel{\@arabic\c@enumiv}%
22171 }{%
22172 \settowidth\labelwidth{\@biblabel{#1}}%
22173 \leftmargin\labelwidth
22174 \advance\leftmargin\labelsep
22175 \@openbib@code
22176 \if@bib@break@
22177 \edef\@tempa{%
22178 \noexpand\usecounter{enumiv}%
22179 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
22180 }\@tempa
22181 \no@bib@break
22182 \else
22183 \usecounter{enumiv}%
22184 \fi
22185 \let\p@enumiv\@empty
22186 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
22187 }%
22188 \sloppy\clubpenalty4000 \widowpenalty4000
22189 \sfcode`.=\@m
22190 }{%
22191 \if@bib@break@
22192 \def\@noitemerr{%
22193 \@latex@warning{%
22194 \string\BreakBibliography\space at begin of `thebibliography'
22195 environment\MessageBreak
22196 or following \string\BreakBibliography}%
22197 }%
22198 \else
22199 \def\@noitemerr{%
22200 \@latex@warning{%
22201 Empty `thebibliography' environment or
22202 \string\BreakBibliography\MessageBreak
22203 before end of `thebibliography' environment}%
22204 }%
22205 \fi
22206 \endlist
22207 \if@bib@break@
22208 \else

```




```

22209 \bib@after@hook
22210 \let\bib@before@hook\@empty
22211 \let\bib@after@hook\@empty
22212 \fi
22213 \bib@endhook
22214 }
22215 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
22216 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
22217 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
22218 \renewcommand\marginline[1]{%
22219 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
22220 }
22221 \renewcommand{\@makecaption}[3]{%
22222 \cap@margin
22223 \begingroup
22224 \ifonelinecaptions
22225 \def\stepcounter##1{\advance\value{##1}\@one}%
22226 \let\refstepcounter\stepcounter
22227 \let\label\@gobble
22228 \let\@footnotetext=\@gobble
22229 \let\@LTRfootnotetext=\@gobble
22230 \let\@RTLfootnotetext=\@gobble
22231 \let\hypertarget\@gobbletwo
22232 \edef\@xnewline{%
22233 \unexpanded{\ClassInfo{\KOMAClassName}{%
22234 Workaround for not recommended usage of \string\ or\MessageBreak
22235 \string\newline in caption text
22236 }%
22237 \hspace*{\linewidth}\hspace{1sp}%
22238 }%
22239 \unexpanded\expandafter{\@xnewline}%
22240 }%
22241 \edef\@xcentercr{%
22242 \unexpanded{\ClassInfo{\KOMAClassName}{%
22243 Workaround for not recommended usage of \string\ or\MessageBreak
22244 \string\newline in caption text
22245 }%
22246 \hspace*{\linewidth}\hspace{1sp}%
22247 }%
22248 \unexpanded\expandafter{\@xcentercr}%
22249 }%
22250 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
22251 \ifdim\@tempdima>\cap@width
22252 \aftergroup\scr@makemultilinecaption
22253 \else
22254 \aftergroup\scr@makesinglelinecaption
22255 \fi
22256 \else
22257 \aftergroup\scr@makemultilinecaption
22258 \fi
22259 \endgroup
22260 {#1}{#2}{#3}%
22261 }
22262 \renewcommand{\scr@makesinglelinecaption}[3]{%

```



```

22263  {%
22264    \usefontofkomafont{caption}{%
22265      \hb@xt@\hsize{%
22266        \cap@left
22267        \if@RTL
22268          \beginR
22269          \fi
22270        \scr@makesinglelinecaption{#1}{#2}{#3}%
22271        \if@RTL
22272          \endR
22273        \fi
22274        \cap@right
22275      }\par\kern\dp\strutbox%
22276    }%
22277  }\kern-\dp\strutbox
22278 }
22279 \renewcommand{\@makecaption}[2]{%
22280   \if@captionabove
22281     \vskip\belowcaptionskip
22282   \else
22283     \vskip\abovecaptionskip
22284   \fi
22285   \@makecaption\@firstofone{#1}{#2}%
22286   \if@captionabove
22287     \vskip\abovecaptionskip
22288   \else
22289     \vskip\belowcaptionskip
22290   \fi
22291 }
22292
22293 \renewcommand{\scr@makesinglelinecaption}[3]{%
22294   {\usekomafont{caption}{\strut\ignorespaces
22295     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
22296     \ignorespaces #3\unskip}}%
22297 }
22298
22299 \renewcommand{\scr@makemultilinecaption}[3]{%
2300   {%
2301     \usefontofkomafont{caption}{%
2302       \hb@xt@\hsize{%
2303         \cap@left
2304         \vbox{\hsize\cap@width\linewidth\hsize
2305           \scr@ifundefinedorrelax{@capytype}{%
2306             \ClassWarning{\KOMAClassName}{%
2307               `string\caption' outside float.\MessageBreak
2308               Seems you are using `string\caption' outside a
2309               float.\MessageBreak
2310               Maybe you are using a package that uses
2311               `string\@makecaption'\MessageBreak
2312               without setting `string\@capytype' before.\MessageBreak
2313               Because I cannot detect the caption type, I'm using\MessageBreak
2314               the empty one.%
2315             }%
2316             \let@capytype\@empty

```



```

22317    }{}%
22318    \scr@ifundefinedorrelax{ragged\@captive caption}{\raggedcaption}{%
22319      \@nameuse{ragged\@captive caption}%
22320    }%
22321    \ifdofullc@p
22322      \@hangfrom{%
22323        \strut
22324        \scr@smashdp{%
22325          #1{%
22326            \usekomafont{caption}{%
22327              \usekomafont{captionlabel}{#2\captionformat}%
22328            }%
22329          }%
22330        }%
22331      }%
22332      {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22333    \else
22334      \ifdim\cap@indent<\z@
22335        \strut
22336        #1{%
22337          {\usekomafont{caption}{%
22338            \usekomafont{captionlabel}{#2\captionformat}%
22339          }%
22340        }\par}%
22341        \noindent{\usekomafont{caption}{%
22342          \hspace*{-\cap@indent}#3\scr@endstrut
22343        }}\par}%
22344      \else
22345        \if@capbreak
22346          \strut
22347          #1{%
22348            {\usekomafont{caption}{%
22349              \usekomafont{captionlabel}{#2\captionformat}%
22350            }%
22351          }\par}%
22352          \noindent\@hangfrom{\hspace*{\cap@indent}}%
22353          {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22354        \else
22355          \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
22356          {%
22357            \hspace*{-\cap@indent}%
22358            \scr@smashdp{%
22359              #1{\usekomafont{caption}{%
22360                \usekomafont{captionlabel}{#2\captionformat}%
22361              }%
22362            }%
22363          }%
22364          {\usekomafont{caption}{#3\scr@endstrut}}\par}%
22365        }%
22366      \fi
22367    \fi
22368  \fi
22369 }%
22370 \cap@right

```



```

22371     }\par\kern\dp\strutbox
22372     }%
22373   }\kern-\dp\strutbox
22374 }
22375
22376 \bidi@AfterFile{longtable-xetex-bidi.def}{%
22377   \if@komalongtable
22378     \renewcommand{\LT@makecaption}[3]{%
22379       \noalign{%
22380         \if@captionabove
22381           \vskip\belowcaptionskip
22382         \else
22383           \vskip\abovecaptionskip
22384         \fi
22385       }%
22386     \LT@mc@col\LT@cols c{%
22387       \hbox to\z@{\hss\parbox[t]{\linewidth{%
22388         \def\@c@p@t@y@e{table}%
22389         \@@makecaption{#1}{#2}{#3}%
22390         \endgraf
22391         \if@captionabove
22392           \vskip\abovecaptionskip
22393         \else
22394           \vskip\belowcaptionskip
22395         \fi
22396       }%
22397       \hss
22398     }%
22399   }%
22400 }%
22401 \renewcommand*{\scr@LT@array}{}%
22402 \let\scr@LT@array=\LT@array
22403 \renewcommand*{\LT@array}{%
22404   \let\scr@caption=\LT@caption
22405   \def\captionabove{\noalign{\global\@captionabovetrue}%
22406     \scr@caption}%
22407   \def\captionbelow{\noalign{\global\@captionabovefalse}%
22408     \scr@caption}%
22409   \if@tablecaptionabove
22410     \let\LT@caption=\captionabove
22411   \else
22412     \let\LT@caption=\captionbelow
22413   \fi
22414   \scr@LT@array
22415 }%
22416 \ClassInfo{\KOMAClassName}{%
22417   longtable captions redefined%
22418 }%
22419 \fi
22420 }
22421
22422 \CloneTOCEntryStyle{tocline}{part}
22423 \TOCEntryStyleStartInitCode{part}{%
22424   \expandafter\renewcommand%

```



```

22425 \csname scr@tso@#1@linefill\endcsname{\hfill}%
22426 \expandafter\renewcommand%
22427 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
22428 \expandafter\renewcommand%
22429 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22430   {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}}%
22431 \expandafter\renewcommand\expandafter*%
22432 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
22433 }
22434
22435 \CloneTOCEntryStyle{tocline}{section}
22436 \TOCEntryStyleStartInitCode{section}{%
22437   \expandafter\renewcommand%
22438   \csname scr@tso@#1@linefill\endcsname{%
22439     \if@sectionentrywithdots
22440       {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
22441     \else
22442       \hfill
22443     \fi
22444   }%
22445   \expandafter\renewcommand%
22446   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
22447   \expandafter\renewcommand%
22448   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{
22449     \expandafter\renewcommand\expandafter*%
22450     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
22451   }
22452
22453 \CloneTOCEntryStyle{tocline}{subsection}
22454 \TOCEntryStyleStartInitCode{subsection}{%
22455   \expandafter\renewcommand%
22456   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
22457   \expandafter\renewcommand%
22458   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22459     {\normalfont\normalcolor ##1}}%
22460 }
22461
22462 \CloneTOCEntryStyle{subsection}{default}
22463
22464 \DeclareSectionCommand[%
22465   style=section,%
22466   level=1,%
22467   indent=\z@,%
22468   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
22469   afterskip=2.3ex \@plus.2ex,%
22470   tocstyle=section,%
22471   tocindent=0pt,%
22472   tocnumwidth=1.5em%
22473 ]{section}
22474 \DeclareSectionCommand[%
22475   style=part,%
22476   level=\z@,%
22477   tocstyle=part,%
22478   toplevel=\m@ne,%

```



```

22479 tocindent=\z@,%
22480 tocnumwidth=2em%
22481 ]{part}
22482 \DeclareSectionCommand[%
22483 style=section,%
22484 level=2,%
22485 indent=\z@,%
22486 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
22487 afterskip=1.5ex \@plus .2ex,%
22488 tocstyle=subsection,%
22489 tocindent=1.5em,%
22490 tocnumwidth=2.3em%
22491 ]{subsection}
22492 \DeclareSectionCommand[%
22493 style=section,%
22494 level=3,%
22495 indent=\z@,%
22496 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
22497 afterskip=1.5ex \@plus .2ex,%
22498 tocstyle=subsection,%
22499 tocindent=3.8em,%
22500 tocnumwidth=3.2em%
22501 ]{subsubsection}
22502 \DeclareSectionCommand[%
22503 style=section,%
22504 level=4,%
22505 indent=\z@,%
22506 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
22507 afterskip=-1em,%
22508 tocstyle=subsection,%
22509 tocindentfollows=subsubsection,%
22510 tocindent=7.0em,%
22511 tocnumwidth=4.1em%
22512 ]{paragraph}
22513 \DeclareSectionCommand[%
22514 style=section,%
22515 level=5,%
22516 indent=\scr@parindent,%
22517 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
22518 afterskip=-1em,%
22519 tocstyle=subsection,%
22520 tocindent=10em,%
22521 tocnumwidth=5em%
22522 ]{subparagraph}

```

142 File `scrbook-xetex-bidi.def`

```

22523 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class for
22524 \newcommand{\scr@saved@LTRfootnotetext}{}
22525 \newcommand{\scr@saved@RTLfootnotetext}{}
22526 \let\scr@saved@footnotetext\@footnotetext
22527 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
22528 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
22529 \renewcommand{\@footnotetext}[1]{%

```



```

22530 \scr@saved@footnotetext{#1}%
22531 \csname FN@mf@prepare\endcsname
22532 }
22533 \renewcommand{\@LTRfootnotetext}[1]{%
22534 \scr@saved@LTRfootnotetext{#1}%
22535 \csname FN@mf@prepare\endcsname
22536 }
22537 \renewcommand{\@RTLfootnotetext}[1]{%
22538 \scr@saved@RTLfootnotetext{#1}%
22539 \csname FN@mf@prepare\endcsname
22540 }
22541 \renewcommand\deffootnote[4][1]{%
22542 \expandafter\ifnum\scr@v@is@ge{3.22}\relax
22543 \long\def\@makefntext##1{%
22544 \ExecuteDoHook{footnote/text/begin}%
22545 \raggedfootnote
22546 \if@RTL
22547 \rightskip
22548 \else
22549 \leftskip
22550 \fi
22551 #2
22552 \l@addto@macro\@trivlist{%
22553 \ifnum\@listdepth=\@ne\advance
22554 \if@RTL
22555 \rightmargin #2\relax
22556 \else
22557 \leftmargin #2\relax
22558 \fi
22559 \fi
22560 }%
22561 \parindent #3\noindent
22562 \IfArgIsEmpty{#1}{-}{%
22563 \hskip \dimexpr #1-#2\relax
22564 }%
22565 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22566 \ExecuteDoHook{footnote/text/end}%
22567 }%
22568 \else
22569 \ClassInfo{\KOMAClassName}{%
22570 Using old \string\@makefntext\space due to compatibility
22571 level\MessageBreak
22572 less than 3.22}%
22573 \long\def\@makefntext##1{%
22574 \setlength{\@tempdimc}{#3}%
22575 \def\@tempa{#1}\ifx\@tempa\@empty
22576 \setpar{\@par
22577 \@tempdima = \hspace
22578 \addtolength{\@tempdima}{-#2}%
22579 \if@RTL
22580 \parshape \@ne \z@ \@tempdima
22581 \else
22582 \parshape \@ne #2 \@tempdima
22583 \fi

```



```

22584     }%
22585     \else
22586         \addtolength{\@tempdimc}{#2}%
22587         \addtolength{\@tempdimc}{-#1}%
22588         \@setpar{\@@par
22589             \@tempdima = \hspace
22590             \addtolength{\@tempdima}{-#1}%
22591             \@tempdimb = \hspace
22592             \addtolength{\@tempdimb}{-#2}%
22593             \if@RTL
22594                 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
22595             \else
22596                 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
22597             \fi
22598         }%
22599     \fi
22600     \par
22601     \parindent\@tempdimc\noindent
22602     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
22603 }%
22604 \fi
22605 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
22606 }
22607 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
22608 \renewcommand*\left@footnoterule{%
22609     \normalsize\ftn@rule@test@values
22610     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22611     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22612     {\usekomafont{footnoterule}{%
22613         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
22614     \kern 2.6\p@}
22615 \renewcommand*\right@footnoterule{%
22616     \normalsize\ftn@rule@test@values
22617     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
22618     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
22619     {\usekomafont{footnoterule}{%
22620         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
22621         \kern 2.6\p@}
22622 \renewcommand*\maketitle[1][1]{%
22623     \expandafter\ifnum \c@name scr@v3.12\endcsname>\scr@compatibility\relax
22624     \else
22625         \def\and{%
22626             \end{tabular}%
22627             \hskip 1em \@plus.17fil%
22628             \begin{tabular}[t]{c}%
22629         }%
22630     \fi
22631     \if@titlepage
22632         \begin{titlepage}
22633             \setcounter{page}{%
22634                 #1%
22635             }%
22636             \if@titlepageiscoverpage
22637                 \edef\titlepage@restore{%

```




```

22638     \noexpand\endgroup
22639     \noexpand\global\noexpand\@colht\the\@colht
22640     \noexpand\global\noexpand\@colroom\the\@colroom
22641     \noexpand\global\vsizethe\vsizethe
22642     \noexpand\global\noexpand\@titlepageiscoverpagefalse
22643     \noexpand\let\noexpand\titlepage@restore\noexpand\relax
22644   }%
22645   \begingroup
22646   \topmargin=\dimexpr \coverpagetopmargin-1in\relax
22647   \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
22648   \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
22649   \textwidth=\dimexpr
22650   \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
22651   \textheight=\dimexpr
22652   \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
22653   \headheight=0pt
22654   \headsep=0pt
22655   \footskip=\baselineskip
22656   \@colht=\textheight
22657   \@colroom=\textheight
22658   \vsizethe=\textheight
22659   \columnwidth=\textwidth
22660   \hsizethe=\columnwidth
22661   \linewidth=\hsizethe
22662   \else
22663     \let\titlepage@restore\relax
22664   \fi
22665   \let\footnotesize\small
22666   \let\right@footnoterule\relax
22667   \let\left@footnoterule\relax
22668   \let\textwidth@footnoterule\relax
22669   \let\footnote\thanks
22670   \let\LTRfootnote\LTRthanks
22671   \let\RTLfootnote\RTLthanks
22672   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22673   \let\@oldmakefnmark\@makefnmark
22674   \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
22675   \ifx\@extratitle\@empty
22676     \ifx\@frontispiece\@empty
22677     \else
22678       \if@twoside\mbox{}\next@tpage\fi
22679       \noindent\@frontispiece\next@tdpage
22680     \fi
22681   \else
22682     \noindent\@extratitle
22683     \ifx\@frontispiece\@empty
22684     \else
22685       \next@tpage
22686       \noindent\@frontispiece
22687     \fi
22688     \next@tdpage
22689   \fi
22690   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
22691   \ifx\@titlehead\@empty \else

```



```

22692     \begin{minipage}[t]{\textwidth}%
22693         \usekomafont{titlehead}{\@titlehead\par}%
22694     \end{minipage}\par
22695     \fi
22696     \null\vfill
22697     \begin{center}
22698         \ifx\@subject\@empty \else
22699             {\usekomafont{subject}{\@subject\par}}%
22700             \vskip 3em
22701         \fi
22702         {\usekomafont{title}{\huge \@title\par}}%
22703         \vskip 1em
22704         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
22705         \vskip 2em
22706         {%
22707             \usekomafont{author}{%
22708                 \lineskip 0.75em
22709                 \begin{tabular}[t]{c}
22710                     \@author
22711                 \end{tabular}\par
22712             }%
22713         }%
22714         \vskip 1.5em
22715         {\usekomafont{date}{\@date \par}}%
22716         \vskip \z@ \@plus3fill
22717         {\usekomafont{publishers}{\@publishers \par}}%
22718         \vskip 3em
22719     \end{center}\par
22720     \@thanks\global\let\@thanks\@empty
22721     \vfill\null
22722     \if@twoside
22723         \@tempwattrue
22724         \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
22725     \else
22726         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
22727             \@tempwafalse
22728         \fi\fi
22729     \fi
22730     \if@tempswa
22731         \next@tpage
22732         \begin{minipage}[t]{\textwidth}
22733             \@uppertitleback
22734         \end{minipage}\par
22735         \vfill
22736         \begin{minipage}[b]{\textwidth}
22737             \@lowertitleback
22738         \end{minipage}\par
22739         \@thanks\global\let\@thanks\@empty
22740     \fi
22741 \else
22742     \ifx\@uppertitleback\@empty\else
22743         \ClassWarning{KOMAClassName}{%
22744             non empty \string\uppertitleback\space ignored
22745             by \string\maketitle\MessageBreak

```



```

22746         in `twoside=false' mode%
22747     }%
22748 \fi
22749 \ifx\@lowertitleback\@empty\else
22750     \ClassWarning{\KOMAClassName}{%
22751         non empty \string\lowertitleback\space ignored
22752         by \string\maketitle\MessageBreak
22753         in `twoside=false' mode%
22754     }%
22755 \fi
22756 \fi
22757 \ifx\@dedication\@empty
22758 \else
22759     \next@tdpage\null\vfill
22760     {\centering\usekomafont{dedication}{\@dedication \par}}%
22761     \vskip \z@ \@plus3fill
22762     \@thanks\global\let\@thanks\@empty
22763     \cleardoubleemptypage
22764 \fi
22765 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
22766 \end{titlepage}
22767 \else
22768 \par
22769 \@tempcnta=%
22770 #1%
22771 \relax\ifnum\@tempcnta=1\else
22772     \ClassWarning{\KOMAClassName}{%
22773         Optional argument of \string\maketitle\space ignored\MessageBreak
22774         in `titlepage=false' mode%
22775     }%
22776 \fi
22777 \ifx\@uppertitleback\@empty\else
22778     \ClassWarning{\KOMAClassName}{%
22779         non empty \string\uppertitleback\space ignored
22780         by \string\maketitle\MessageBreak
22781         in `titlepage=false' mode%
22782     }%
22783 \fi
22784 \ifx\@lowertitleback\@empty\else
22785     \ClassWarning{\KOMAClassName}{%
22786         non empty \string\lowertitleback\space ignored
22787         by \string\maketitle\MessageBreak
22788         in `titlepage=false' mode%
22789     }%
22790 \fi
22791 \begingroup
22792     \let\titlepage@restore\relax
22793     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
22794     \let\@oldmakefnmark\@makefnmark
22795     \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
22796     \next@tdpage
22797     \if@twocolumn
22798         \ifnum \col@number=\@ne
22799             \ifx\@extratitle\@empty

```



```

22800         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22801     \else
22802         \@makeextratitle
22803     \fi
22804     \ifx\@frontispiece\@empty
22805         \ifx\@extratitle\@empty\else\next@tdpage\fi
22806     \else
22807         \next@tpage
22808         \@makefrontispiece
22809         \next@tdpage
22810     \fi
22811     \@maketitle
22812 \else
22813     \ifx\@extratitle\@empty
22814         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
22815     \else
22816         \twocolumn[\@makeextratitle]%
22817     \fi
22818     \ifx\@frontispiece\@empty
22819         \ifx\@extratitle\@empty\else\next@tdpage\fi
22820     \else
22821         \next@tpage
22822         \twocolumn[\@makefrontispiece]%
22823     \next@tdpage
22824     \fi
22825     \twocolumn[\@maketitle]%
22826 \fi
22827 \else
22828     \ifx\@extratitle\@empty
22829         \ifx\@frontispiece\@empty\else \mbox{}\fi
22830     \else
22831         \@makeextratitle
22832     \fi
22833     \ifx\@frontispiece\@empty
22834         \ifx\@extratitle\@empty\else\next@tdpage\fi
22835     \else
22836         \next@tpage
22837         \@makefrontispiece
22838         \next@tdpage
22839     \fi
22840     \@maketitle
22841 \fi
22842     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
22843     \@thanks\global\let\@thanks\@empty
22844 \endgroup
22845 \fi
22846 \setcounter{footnote}{0}%
22847 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
22848     \let\thanks\relax
22849     \let\LTRthanks\relax
22850     \let\RTLthanks\relax
22851     \let\maketitle\relax
22852     \let\@maketitle\relax
22853     \global\let\@thanks\@empty

```



```

22854 \global\let\@author\@empty
22855 \global\let\@date\@empty
22856 \global\let\@title\@empty
22857 \global\let\@subtitle\@empty
22858 \global\let\@extratitle\@empty
22859 \global\let\@frontispiece\@empty
22860 \global\let\@titlehead\@empty
22861 \global\let\@subject\@empty
22862 \global\let\@publishers\@empty
22863 \global\let\@uppertitleback\@empty
22864 \global\let\@lowertitleback\@empty
22865 \global\let\@dedication\@empty
22866 \global\let\author\relax
22867 \global\let\title\relax
22868 \global\let\extratitle\relax
22869 \global\let\titlehead\relax
22870 \global\let\subject\relax
22871 \global\let\publishers\relax
22872 \global\let\uppertitleback\relax
22873 \global\let\lowertitleback\relax
22874 \global\let\dedication\relax
22875 \global\let\date\relax
22876 \fi
22877 \global\let\and\relax
22878 }%
22879 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
22880 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
22881 \renewcommand*\thesection{%
22882 \expandafter\ifnum\scr@v@is>{2.97d}%
22883 \if@mainmatter\thechapter\@SepMark\fi
22884 \else
22885 \thechapter\@SepMark%
22886 \fi
22887 \@arabic\c@section
22888 }
22889 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
22890 \renewcommand*\thesubsubsection{%
22891 \thesubsection\@SepMark\@arabic\c@subsubsection
22892 }
22893 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
22894 \renewcommand*\thesubparagraph{%
22895 \theparagraph\@SepMark\@arabic\c@subparagraph
22896 }
22897 \expandafter\ifnum\scr@v@is@le{2.97d}%
22898 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
22899 \fi
22900 \expandafter\ifnum\scr@v@is@le{2.97d}%
22901 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
22902 \fi
22903 \renewcommand*\theequation{%
22904 \expandafter\ifnum\scr@v@is>{2.97d}%
22905 \if@mainmatter\thechapter\@SepMark\fi
22906 \else
22907 \thechapter\@SepMark%

```



```

22908 \fi
22909 \@arabic\c@equation
22910 }
22911 \renewenvironment{thebibliography}[1]{%
22912 \if@bib@break@
22913 \bib@beginhook
22914 \else
22915 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
22916 \setchapterpreamble{\bibpreamble}%
22917 \fi\fi
22918 \bib@heading
22919 \bib@beginhook
22920 \bib@before@hook
22921 \fi
22922 \renewcommand{\BreakBibliography}[1]{%
22923 \@bib@break
22924 \end{thebibliography}%
22925 \begingroup ##1\endgroup
22926 \begin{thebibliography}{#1}
22927 }%
22928 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
22929 \bidi@thebibliography@font@hook%
22930 \list{
22931 \@biblabel{\@arabic\c@enumiv}%
22932 }{%
22933 \settowidth\labelwidth{\@biblabel{#1}}%
22934 \leftmargin\labelwidth
22935 \advance\leftmargin\labelsep
22936 \@openbib@code
22937 \if@bib@break@
22938 \edef\@tempa{%
22939 \noexpand\usecounter{enumiv}%
22940 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
22941 }\@tempa
22942 \no@bib@break
22943 \else
22944 \usecounter{enumiv}%
22945 \fi
22946 \let\p@enumiv\@empty
22947 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
22948 }%
22949 \sloppy\clubpenalty4000 \widowpenalty4000
22950 \sfcode`.=\@m
22951 }{%
22952 \if@bib@break@
22953 \def\@noitemerr{%
22954 \@latex@warning{%
22955 \string\BreakBibliography\space at begin of `thebibliography'
22956 environment\MessageBreak
22957 or following \string\BreakBibliography}%
22958 }%
22959 \else
22960 \def\@noitemerr{%
22961 \@latex@warning{%

```



```

22962     Empty `thebibliography' environment or
22963     \string\BreakBibliography\MessageBreak
22964     before end of `thebibliography' environment}%
22965   }%
22966 \fi
22967 \endlist
22968 \if@bib@break@
22969 \else
22970   \bib@after@hook
22971   \let\bib@before@hook\@empty
22972   \let\bib@after@hook\@empty
22973 \fi
22974 \bib@endhook
22975 }
22976 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
22977 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
22978 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
22979 \renewcommand\marginline[1]{%
22980   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
22981 }
22982 \renewcommand{\@@makecaption}[3]{%
22983   \cap@margin
22984   \begingroup
22985     \ifonelinecaptions
22986       \def\stepcounter##1{\advance\value{##1}\@ne}%
22987       \let\refstepcounter\stepcounter
22988       \let\label\@gobble
22989       \let\@footnotetext=\@gobble
22990       \let\@LTRfootnotetext=\@gobble
22991       \let\@RTLfootnotetext=\@gobble
22992       \let\hypertarget\@gobbletwo
22993       \edef\@xnewline{%
22994         \unexpanded{\ClassInfo{\KOMAClassName}}{%
22995           Workaround for not recommended usage of \string\\ or\MessageBreak
22996           \string\newline in caption text
22997         }%
22998         \hspace*{\linewidth}\hspace{1sp}%
22999       }%
23000       \unexpanded\expandafter{\@xnewline}%
23001     }%
23002     \edef\@xcentercr{%
23003       \unexpanded{\ClassInfo{\KOMAClassName}}{%
23004         Workaround for not recommended usage of \string\\ or\MessageBreak
23005         \string\newline in caption text
23006       }%
23007       \hspace*{\linewidth}\hspace{1sp}%
23008     }%
23009     \unexpanded\expandafter{\@xcentercr}%
23010   }%
23011   \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
23012   \ifdim\@tempdima>\cap@width
23013     \aftergroup\scr@makemultilinecaption
23014   \else
23015     \aftergroup\scr@makesinglelinecaption

```



```

23016     \fi
23017     \else
23018         \aftergroup\scr@makemultilinecaption
23019     \fi
23020 \endgroup
23021 {#1}{#2}{#3}%
23022 }
23023 \renewcommand{\scr@makesinglelinecaption}[3]{%
23024     {%
23025         \usefontofkomafont{caption}{%
23026             \hb@xt@\hsize{%
23027                 \cap@left
23028                 \if@RTL
23029                 \beginR
23030                 \fi
23031                 \scr@makesinglelinecaption{#1}{#2}{#3}%
23032                 \if@RTL
23033                 \endR
23034                 \fi
23035                 \cap@right
23036             }\par\kern\dp\strutbox%
23037         }%
23038     }\kern-\dp\strutbox
23039 }
23040 \renewcommand{@makecaption}[2]{%
23041     \if@captionabove
23042         \vskip\belowcaptionskip
23043     \else
23044         \vskip\abovecaptionskip
23045     \fi
23046     \@makecaption@ofirstofone{#1}{#2}%
23047     \if@captionabove
23048         \vskip\abovecaptionskip
23049     \else
23050         \vskip\belowcaptionskip
23051     \fi
23052 }
23053
23054 \renewcommand{\scr@makesinglelinecaption}[3]{%
23055     {\usekomafont{caption}{\strut\ignorespaces
23056         #1{\usekomafont{captionlabel}{#2\captionformat}}}%
23057     \ignorespaces #3\unskip}}%
23058 }
23059
23060 \renewcommand{\scr@makemultilinecaption}[3]{%
23061     {%
23062         \usefontofkomafont{caption}{%
23063             \hb@xt@\hsize{%
23064                 \cap@left
23065                 \vbox{\hsize\cap@width\linewidth\hsize
23066                     \scr@ifundefinedorrelax{@capytype}{%
23067                         \ClassWarning{\KOMAClassName}{%
23068                             `string\caption' outside float.\MessageBreak
23069                             Seems you are using `string\caption' outside a

```




```

23070         float.\MessageBreak
23071         Maybe you are using a package that uses
23072         \string\@makecaption'\MessageBreak
23073         without setting \string\@captype' before.\MessageBreak
23074         Because I cannot detect the caption type, I'm using\MessageBreak
23075         the empty one.%
23076     }%
23077     \let\@captype\@empty
23078 }{}%
23079 \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
23080     \@nameuse{ragged\@captype caption}}%
23081 }%
23082 \ifdofullc@p
23083     \@hangfrom{%
23084         \strut
23085         \scr@smashdp{%
23086             #1{%
23087                 \usekomafont{caption}{%
23088                     \usekomafont{captionlabel}{#2\captionformat}}%
23089             }%
23090         }%
23091     }%
23092 }%
23093 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23094 \else
23095     \ifdim\cap@indent<\z@
23096         \strut
23097         #1{%
23098             {\usekomafont{caption}{%
23099                 \usekomafont{captionlabel}{#2\captionformat}}%
23100             }%
23101         }\par}%
23102     \noindent{{\usekomafont{caption}{%
23103         \hspace*{-\cap@indent}#3\scr@endstrut
23104     }}\par}%
23105 \else
23106     \if@capbreak
23107         \strut
23108         #1{%
23109             {\usekomafont{caption}{%
23110                 \usekomafont{captionlabel}{#2\captionformat}}%
23111             }
23112         }\par}%
23113     \noindent\@hangfrom{\hspace*{\cap@indent}}%
23114     {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23115 \else
23116     \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
23117     {%
23118         \hspace{-\cap@indent}%
23119         \scr@smashdp{%
23120             #1{\usekomafont{caption}{%
23121                 \usekomafont{captionlabel}{#2\captionformat}}%
23122             }%
23123         }%

```



```

23124         }%
23125         {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23126     }%
23127         \fi
23128     \fi
23129     \fi
23130 }%
23131 \cap@right
23132 }\par\kern\dp\strutbox
23133 }%
23134 }\kern-\dp\strutbox
23135 }
23136
23137
23138 \bidi@AfterFile{longtable-xetex-bidi.def}{%
23139 \if@komalongtable
23140 \renewcommand{\LT@makecaption}[3]{%
23141 \noalign{%
23142 \if@captionabove
23143 \vskip\belowcaptionskip
23144 \else
23145 \vskip\abovecaptionskip
23146 \fi
23147 }%
23148 \LT@mcol\LT@cols c{%
23149 \hbox to\z@{\hss\parbox[t]\linewidth{%
23150 \def\@capytype{table}%
23151 \@makecaption{#1}{#2}{#3}%
23152 \endgraf
23153 \if@captionabove
23154 \vskip\abovecaptionskip
23155 \else
23156 \vskip\belowcaptionskip
23157 \fi
23158 }%
23159 \hss
23160 }%
23161 }%
23162 }%
23163 \renewcommand*{\scr@LT@array}{}%
23164 \let\scr@LT@array=\LT@array
23165 \renewcommand*{\LT@array}{%
23166 \let\scr@caption=\LT@caption
23167 \def\captionabove{\noalign{\global\@captionabovetrue}%
23168 \scr@caption}%
23169 \def\captionbelow{\noalign{\global\@captionabovefalse}%
23170 \scr@caption}%
23171 \if@tablecaptionabove
23172 \let\LT@caption=\captionabove
23173 \else
23174 \let\LT@caption=\captionbelow
23175 \fi
23176 \scr@LT@array
23177 }%

```



```

23178 \ClassInfo{\KOMAClassName}{%
23179     longtable captions redefined%
23180 }%
23181 \fi
23182 }
23183
23184 \CloneTOCEntryStyle{tocline}{part}
23185 \TOCEntryStyleStartInitCode{part}{%
23186     \expandafter\renewcommand%
23187     \csname scr@tso@#1@linefill\endcsname{\hfill}%
23188     \expandafter\renewcommand%
23189     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23190     \expandafter\renewcommand%
23191     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23192         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}}%
23193     \expandafter\renewcommand\expandafter*%
23194     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
23195 }
23196
23197 \CloneTOCEntryStyle{tocline}{chapter}
23198 \TOCEntryStyleStartInitCode{chapter}{%
23199     \expandafter\renewcommand%
23200     \csname scr@tso@#1@linefill\endcsname{%
23201         \if@chapterentrywithdots
23202             {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23203         \else
23204             \hfill
23205         \fi
23206     }%
23207     \expandafter\renewcommand%
23208     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
23209     \expandafter\renewcommand%
23210     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23211         {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}}%
23212     \expandafter\renewcommand\expandafter*%
23213     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
23214 }
23215
23216 \CloneTOCEntryStyle{tocline}{section}
23217 \TOCEntryStyleStartInitCode{section}{%
23218     \expandafter\renewcommand%
23219     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
23220     \expandafter\renewcommand%
23221     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23222         {\normalfont\normalcolor ##1}}%
23223 }
23224
23225 \CloneTOCEntryStyle{section}{default}
23226
23227 \DeclareSectionCommand[%
23228     style=chapter,%
23229     level=\z@,%
23230     pagestyle=plain,%
23231     tocstyle=chapter,%

```



```

23232 tocindent=\z@,%
23233 tocnumwidth=1.5em%
23234 ]{chapter}
23235 \DeclareSectionCommand[%
23236 style=section,%
23237 level=1,%
23238 indent=\z@,%
23239 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
23240 afterskip=2.3ex \@plus .2ex,%
23241 tocstyle=section,%
23242 tocindentfollows=chapter,%
23243 tocindent=1.5em,%
23244 tocnumwidth=2.3em%
23245 ]{section}
23246 \DeclareSectionCommand[%
23247 style=part,%
23248 level=\m@ne,%
23249 pagestyle=plain,%
23250 tocstyle=part,%
23251 toplevel=\m@ne,%
23252 tocindent=\z@,%
23253 tocnumwidth=2em%
23254 ]{part}
23255 \DeclareSectionCommand[%
23256 style=section,%
23257 level=2,%
23258 indent=\z@,%
23259 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
23260 afterskip=1.5ex \@plus .2ex,%
23261 tocstyle=section,%
23262 tocindent=3.8em,%
23263 tocnumwidth=3.2em%
23264 ]{subsection}
23265 \DeclareSectionCommand[%
23266 style=section,%
23267 level=3,%
23268 indent=\z@,%
23269 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
23270 afterskip=1.5ex \@plus .2ex,%
23271 tocstyle=section,%
23272 tocindent=7.0em,%
23273 tocnumwidth=4.1em%
23274 ]{subsubsection}
23275 \DeclareSectionCommand[%
23276 style=section,%
23277 level=4,%
23278 indent=\z@,%
23279 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
23280 afterskip=-1em,%
23281 tocindentfollows=subsubsection,%
23282 tocstyle=section,%
23283 tocindent=10em,%
23284 tocnumwidth=5em%
23285 ]{paragraph}

```



```

23286 \DeclareSectionCommand[%
23287   style=section,%
23288   level=5,%
23289   indent=\scr@parindent,%
23290   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
23291   afterskip=-1em,%
23292   tocstyle=section,%
23293   tocindent=12em,%
23294   tocnumwidth=6em%
23295 ]{subparagraph}

```

143 File `scrreprt-xetex-bidi.def`

```

23296 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class f
23297 \newcommand{\scr@saved@LTRfootnotetext}{}
23298 \newcommand{\scr@saved@RTLfootnotetext}{}
23299 \let\scr@saved@footnotetext\@footnotetext
23300 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
23301 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
23302 \renewcommand{\@footnotetext}[1]{%
23303   \scr@saved@footnotetext{#1}%
23304   \csname FN@mfb@prepare\endcsname
23305 }
23306 \renewcommand{\@LTRfootnotetext}[1]{%
23307   \scr@saved@LTRfootnotetext{#1}%
23308   \csname FN@mfb@prepare\endcsname
23309 }
23310 \renewcommand{\@RTLfootnotetext}[1]{%
23311   \scr@saved@RTLfootnotetext{#1}%
23312   \csname FN@mfb@prepare\endcsname
23313 }
23314 \renewcommand\deffootnote[4][1]{%
23315   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
23316     \long\def\@makefntext##1{%
23317       \ExecuteDoHook{footnote/text/begin}%
23318       \raggedfootnote
23319       \if@RTL
23320         \rightskip
23321       \else
23322         \leftskip
23323       \fi
23324       #2
23325       \l@addto@macro\@trivlist{%
23326         \ifnum\@listdepth=\@ne
23327           \if@RTL
23328             \advance\rightmargin #2\relax
23329           \else
23330             \advance\leftmargin #2\relax
23331           \fi
23332         \fi
23333       }%
23334       \parindent #3\noindent
23335       \IfArgIsEmpty{#1}{-}{%
23336         \hskip \dimexpr #1-#2\relax

```



```

23337 }%
23338 \ftn@font\hbox to \z@\hss\@makefnmark}##1%
23339 \ExecuteDoHook{footnote/text/end}%
23340 }%
23341 \else
23342 \ClassInfo{\KOMAClassName}{%
23343 Using old \string\@makefnmark\space due to compatibility
23344 level\MessageBreak
23345 less than 3.22}%
23346 \long\def\@makefnmark##1{%
23347 \setlength{\@tempdimc}{#3}%
23348 \def\@tempa{#1}\ifx\@tempa\@empty
23349 \setpar{\@par
23350 \@tempdima = \hspace
23351 \addtolength{\@tempdima}{-#2}%
23352 \if@RTL
23353 \parshape \@ne \z@ \@tempdima
23354 \else
23355 \parshape \@ne #2 \@tempdima
23356 \fi
23357 }%
23358 \else
23359 \addtolength{\@tempdimc}{#2}%
23360 \addtolength{\@tempdimc}{-#1}%
23361 \setpar{\@par
23362 \@tempdima = \hspace
23363 \addtolength{\@tempdima}{-#1}%
23364 \@tempdimb = \hspace
23365 \addtolength{\@tempdimb}{-#2}%
23366 \if@RTL
23367 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
23368 \else
23369 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
23370 \fi
23371 }%
23372 \fi
23373 \par
23374 \parindent\@tempdimc\noindent
23375 \ftn@font\hbox to \z@\hss\@makefnmark}##1%
23376 }%
23377 \fi
23378 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
23379 }
23380 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
23381 \renewcommand*\left@footnoterule{%
23382 \normalsize\ftn@rule@test@values
23383 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
23384 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23385 {\usekomafont{footnoterule}{%
23386 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
23387 \kern 2.6\p@}
23388 \renewcommand*\right@footnoterule{%
23389 \normalsize\ftn@rule@test@values
23390 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax

```



```

23391 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
23392 {\usekomafont{footnoterule}{%
23393   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
23394   \kern 2.6\p@}}
23395 \renewcommand*\maketitle[1][1]{%
23396   \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
23397   \else
23398     \def\and{%
23399       \end{tabular}%
23400       \hskip 1em \@plus.17fil%
23401       \begin{tabular}[t]{c}%
23402     }%
23403   \fi
23404   \if@titlepage
23405     \begin{titlepage}
23406       \setcounter{page}{%
23407         #1%
23408       }%
23409     \if@titlepageiscoverpage
23410       \edef\titlename@restore{%
23411         \noexpand\endgroup
23412         \noexpand\global\noexpand\@colht\the\@colht
23413         \noexpand\global\noexpand\@colroom\the\@colroom
23414         \noexpand\global\vsizethe\vsizethe
23415         \noexpand\global\noexpand\@titlepageiscoverpagefalse
23416         \noexpand\let\noexpand\titlename@restore\noexpand\relax
23417       }%
23418     \begin{group}
23419       \topmargin=\dimexpr \coverpagetopmargin-1in\relax
23420       \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
23421       \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
23422       \textwidth=\dimexpr
23423       \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
23424       \textheight=\dimexpr
23425       \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
23426       \headheight=0pt
23427       \headsep=0pt
23428       \footskip=\baselineskip
23429       \@colht=\textheight
23430       \@colroom=\textheight
23431       \vsizethe\textheight
23432       \columnwidth=\textwidth
23433       \hsizethe\columnwidth
23434       \linewidth=\hsizethe
23435     \else
23436       \let\titlename@restore\relax
23437     \fi
23438     \let\footnotesize\small
23439     \let\right@footnoterule\relax
23440     \let\left@footnoterule\relax
23441     \let\textwidth@footnoterule\relax
23442     \let\footnote\thanks
23443     \let\LTRfootnote\LTRthanks
23444     \let\RTLfootnote\RTLthanks

```



```

23445 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23446 \let\@oldmakefnmark\@makefnmark
23447 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
23448 \ifx\@extratitle\@empty
23449 \ifx\@frontispiece\@empty
23450 \else
23451 \if@twoside\mbox{}\next@tpage\fi
23452 \noindent\@frontispiece\next@tdpage
23453 \fi
23454 \else
23455 \noindent\@extratitle
23456 \ifx\@frontispiece\@empty
23457 \else
23458 \next@tpage
23459 \noindent\@frontispiece
23460 \fi
23461 \next@tdpage
23462 \fi
23463 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
23464 \ifx\@titlehead\@empty \else
23465 \begin{minipage}[t]{\textwidth}%
23466 \usekomafont{titlehead}{\@titlehead\par}%
23467 \end{minipage}\par
23468 \fi
23469 \null\vfill
23470 \begin{center}
23471 \ifx\@subject\@empty \else
23472 {\usekomafont{subject}{\@subject\par}}%
23473 \vskip 3em
23474 \fi
23475 {\usekomafont{title}{\huge \@title\par}}%
23476 \vskip 1em
23477 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
23478 \vskip 2em
23479 {%
23480 \usekomafont{author}{%
23481 \lineskip 0.75em
23482 \begin{tabular}[t]{c}
23483 \@author
23484 \end{tabular}\par
23485 }%
23486 }%
23487 \vskip 1.5em
23488 {\usekomafont{date}{\@date \par}}%
23489 \vskip \z@ \@plus3fill
23490 {\usekomafont{publishers}{\@publishers \par}}%
23491 \vskip 3em
23492 \end{center}\par
23493 \@thanks\global\let\@thanks\@empty
23494 \vfill\null
23495 \if@twoside
23496 \@tempwatruer
23497 \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
23498 \else

```




```

23499         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
23500             \@tempswafalse
23501         \fi\fi
23502     \fi
23503     \if@tempswa
23504         \next@tpage
23505         \begin{minipage}[t]{\textwidth}
23506             \@uppertitleback
23507         \end{minipage}\par
23508         \vfill
23509         \begin{minipage}[b]{\textwidth}
23510             \@lowertitleback
23511         \end{minipage}\par
23512         \@thanks\global\let\@thanks\@empty
23513     \fi
23514 \else
23515     \ifx\@uppertitleback\@empty\else
23516         \ClassWarning{\KOMAClassName}{%
23517             non empty \string\uppertitleback\space ignored
23518             by \string\maketitle\MessageBreak
23519             in `twoside=false' mode%
23520         }%
23521     \fi
23522     \ifx\@lowertitleback\@empty\else
23523         \ClassWarning{\KOMAClassName}{%
23524             non empty \string\lowertitleback\space ignored
23525             by \string\maketitle\MessageBreak
23526             in `twoside=false' mode%
23527         }%
23528     \fi
23529 \fi
23530 \ifx\@dedication\@empty
23531 \else
23532     \next@tdpage\null\vfill
23533     {\centering\usekomafont{dedication}{\@dedication \par}}%
23534     \vskip \z@ \@plus3fill
23535     \@thanks\global\let\@thanks\@empty
23536     \cleardoubleemptypage
23537 \fi
23538 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
23539 \end{titlepage}
23540 \else
23541     \par
23542     \@tempcnta=%
23543     #1%
23544     \relax\ifnum\@tempcnta=1\else
23545         \ClassWarning{\KOMAClassName}{%
23546             Optional argument of \string\maketitle\space ignored\MessageBreak
23547             in `titlepage=false' mode%
23548         }%
23549     \fi
23550     \ifx\@uppertitleback\@empty\else
23551         \ClassWarning{\KOMAClassName}{%
23552             non empty \string\uppertitleback\space ignored

```



```

23553     by \string\maketitle\MessageBreak
23554     in `titlepage=false' mode%
23555   }%
23556 \fi
23557 \ifx\@lowertitleback\@empty\else
23558   \ClassWarning{\KOMAClassName}{%
23559     non empty \string\lowertitleback\space ignored
23560     by \string\maketitle\MessageBreak
23561     in `titlepage=false' mode%
23562   }%
23563 \fi
23564 \beginngroup
23565   \let\titlepage@restore\relax
23566   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
23567   \let\@oldmakefnmark\@makefnmark
23568   \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
23569   \next@tdpage
23570 \if@twocolumn
23571   \ifnum \col@number=\@ne
23572     \ifx\@extratitle\@empty
23573       \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23574     \else
23575       \@makeextratitle
23576     \fi
23577     \ifx\@frontispiece\@empty
23578       \ifx\@extratitle\@empty\else\next@tdpage\fi
23579     \else
23580       \next@tpage
23581       \@makefrontispiece
23582       \next@tdpage
23583     \fi
23584     \@maketitle
23585   \else
23586     \ifx\@extratitle\@empty
23587       \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
23588     \else
23589       \twocolumn[\@makeextratitle]%
23590     \fi
23591     \ifx\@frontispiece\@empty
23592       \ifx\@extratitle\@empty\else\next@tdpage\fi
23593     \else
23594       \next@tpage
23595       \twocolumn[\@makefrontispiece]%
23596       \next@tdpage
23597     \fi
23598     \twocolumn[\@maketitle]%
23599   \fi
23600 \else
23601   \ifx\@extratitle\@empty
23602     \ifx\@frontispiece\@empty\else \mbox{}\fi
23603   \else
23604     \@makeextratitle
23605   \fi
23606   \ifx\@frontispiece\@empty

```



```

23607         \ifx\@extratitle\@empty\else\next@tdpage\fi
23608     \else
23609         \next@tpage
23610         \@makefrontispiece
23611         \next@tdpage
23612     \fi
23613     \@maketitle
23614 \fi
23615     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
23616     \@thanks\global\let\@thanks\@empty
23617 \endgroup
23618 \fi
23619 \setcounter{footnote}{0}%
23620 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
23621     \let\thanks\relax
23622     \let\LTRthanks\relax
23623     \let\RTLthanks\relax
23624     \let\maketitle\relax
23625     \let\@maketitle\relax
23626     \global\let\@thanks\@empty
23627     \global\let\@author\@empty
23628     \global\let\@date\@empty
23629     \global\let\@title\@empty
23630     \global\let\@subtitle\@empty
23631     \global\let\@extratitle\@empty
23632     \global\let\@frontispiece\@empty
23633     \global\let\@titlehead\@empty
23634     \global\let\@subject\@empty
23635     \global\let\@publishers\@empty
23636     \global\let\@uppertitleback\@empty
23637     \global\let\@lowertitleback\@empty
23638     \global\let\@dedication\@empty
23639     \global\let\author\relax
23640     \global\let\title\relax
23641     \global\let\extratitle\relax
23642     \global\let\titlehead\relax
23643     \global\let\subject\relax
23644     \global\let\publishers\relax
23645     \global\let\uppertitleback\relax
23646     \global\let\lowertitleback\relax
23647     \global\let\dedication\relax
23648     \global\let\date\relax
23649 \fi
23650 \global\let\and\relax
23651 }%
23652 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
23653 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
23654 \renewcommand*\thesection{%
23655     \thechapter\@SepMark%
23656     \@arabic\c@section
23657 }
23658 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
23659 \renewcommand*{\thesubsubsection}{%
23660     \thesubsection\@SepMark\@arabic\c@subsubsection

```



```

23661 }
23662 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
23663 \renewcommand*{\thesubparagraph}{\thechapter\@SepMark\@arabic\c@subparagraph}
23664 \theparagraph\@SepMark\@arabic\c@subparagraph
23665 }
23666 \expandafter\ifnum\scr@v@is@le{2.97d}%
23667 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
23668 \fi
23669 \expandafter\ifnum\scr@v@is@le{2.97d}%
23670 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
23671 \fi
23672 \renewcommand*\theequation{\thechapter\@SepMark\@arabic\c@equation}
23673 \thechapter\@SepMark%
23674 \@arabic\c@equation
23675 }
23676 \renewenvironment{thebibliography}[1]{%
23677 \if@bib@break@
23678 \bib@beginhook
23679 \else
23680 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
23681 \setchapterpreamble{\bibpreamble}%
23682 \fi\fi
23683 \bib@heading
23684 \bib@beginhook
23685 \bib@before@hook
23686 \fi
23687 \renewcommand{\BreakBibliography}[1]{%
23688 \@bib@break
23689 \end{thebibliography}%
23690 \begingroup ##1\endgroup
23691 \begin{thebibliography}{#1}
23692 }%
23693 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
23694 \bidi@thebibliography@font@hook%
23695 \list{
23696 \@biblabel{\@arabic\c@enumiv}%
23697 }{%
23698 \settowidth\labelwidth{\@biblabel{#1}}%
23699 \leftmargin\labelwidth
23700 \advance\leftmargin\labelsep
23701 \@openbib@code
23702 \if@bib@break@
23703 \edef\@tempa{%
23704 \noexpand\usecounter{enumiv}%
23705 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
23706 }\@tempa
23707 \no@bib@break
23708 \else
23709 \usecounter{enumiv}%
23710 \fi
23711 \let\p@enumiv\@empty
23712 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
23713 }%
23714 \sloppy\clubpenalty4000 \widowpenalty4000

```



```

23715 \sfcodes\.\=@m
23716 }{%
23717 \if@bib@break@
23718   \def\@noitemerr{%
23719     \@latex@warning{%
23720       \string\BreakBibliography\space at begin of `thebibliography'
23721       environment\MessageBreak
23722       or following \string\BreakBibliography}%
23723     }%
23724 \else
23725   \def\@noitemerr{%
23726     \@latex@warning{%
23727       Empty `thebibliography' environment or
23728       \string\BreakBibliography\MessageBreak
23729       before end of `thebibliography' environment}%
23730     }%
23731 \fi
23732 \endlist
23733 \if@bib@break@
23734 \else
23735   \bib@after@hook
23736   \let\bib@before@hook\@empty
23737   \let\bib@after@hook\@empty
23738 \fi
23739 \bib@endhook
23740 }
23741 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
23742 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
23743 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
23744 \renewcommand\marginline[1]{%
23745   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
23746 }
23747 \renewcommand{\@makecaption}[3]{%
23748   \cap@margin
23749   \begingroup
23750     \ifonelinecaptions
23751       \def\stepcounter##1{\advance\value{##1}\@one}%
23752       \let\refstepcounter\stepcounter
23753       \let\label\@gobble
23754       \let\@footnotetext=\@gobble
23755       \let\@LTRfootnotetext=\@gobble
23756       \let\@RTLfootnotetext=\@gobble
23757       \let\hypertarget\@gobbletwo
23758       \edef\@xnewline{%
23759         \unexpanded{\ClassInfo{\KOMAClassName}}{%
23760           Workaround for not recommended usage of \string\ or\MessageBreak
23761           \string\newline in caption text
23762         }%
23763         \hspace*{\linewidth}\hspace{1sp}%
23764       }%
23765       \unexpanded\expandafter{\@xnewline}%
23766     }%
23767     \edef\@xcentercr{%
23768       \unexpanded{\ClassInfo{\KOMAClassName}}{%

```



```

23769         Workaround for not recommended usage of \string\\ or\MessageBreak
23770         \string\newline in caption text
23771     }%
23772     \hspace*{\linewidth}\hspace{1sp}%
23773 }%
23774 \unexpanded\expandafter{\@xcentercr}%
23775 }%
23776 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
23777 \ifdim\@tempdima>\cap@width
23778     \aftergroup\scr@makemultilinecaption
23779 \else
23780     \aftergroup\scr@makesinglelinecaption
23781 \fi
23782 \else
23783     \aftergroup\scr@makemultilinecaption
23784 \fi
23785 \endgroup
23786 {#1}{#2}{#3}%
23787 }
23788 \renewcommand{\scr@makesinglelinecaption}[3]{%
23789 {%
23790     \usefontofkomafont{caption}{%
23791     \hb@xt@\hsize{%
23792     \cap@left
23793     \if@RTL
23794     \beginR
23795     \fi
23796     \scr@makesinglelinecaption{#1}{#2}{#3}%
23797     \if@RTL
23798     \endR
23799     \fi
23800     \cap@right
23801     }\par\kern\dp\strutbox%
23802     }%
23803     }\kern-\dp\strutbox
23804 }
23805 \renewcommand{\@makecaption}[2]{%
23806 \if@captionabove
23807     \vskip\belowcaptionskip
23808 \else
23809     \vskip\abovecaptionskip
23810 \fi
23811 \@makecaption\@firstofone{#1}{#2}%
23812 \if@captionabove
23813     \vskip\abovecaptionskip
23814 \else
23815     \vskip\belowcaptionskip
23816 \fi
23817 }
23818
23819 \renewcommand{\scr@makesinglelinecaption}[3]{%
23820 {%
23821     \usekomafont{caption}{\strut\ignorespaces
23822     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
23823     \ignorespaces #3\unskip}}%

```



```

23823 }
23824
23825 \renewcommand{\scr@makemultilinecaption}[3]{%
23826   {%
23827     \usefontofkomafont{caption}{%
23828       \hb@xt@\hsize{%
23829         \cap@left
23830         \vbox{\hsize\cap@width\linewidth\hsize
23831           \scr@ifundefinedorrelax{@capttype}{%
23832             \ClassWarning{\KOMAClassName}{%
23833               `string\caption' outside float.\MessageBreak
23834               Seems you are using `string\caption' outside a
23835               float.\MessageBreak
23836               Maybe you are using a package that uses
23837               `string\@makecaption'\MessageBreak
23838               without setting `string\@capttype' before.\MessageBreak
23839               Because I cannot detect the caption type, I'm using\MessageBreak
23840               the empty one.%
23841             }%
23842             \let\@capttype\@empty
23843           }%
23844           \scr@ifundefinedorrelax{ragged\@capttype caption}{\raggedcaption}{%
23845             \@nameuse{ragged\@capttype caption}%
23846           }%
23847           \ifdofullc@p
23848             \@hangfrom{%
23849               \strut
23850               \scr@smashdp{%
23851                 #1{%
23852                   \usekomafont{caption}{%
23853                     \usekomafont{captionlabel}{#2\captionformat}%
23854                   }%
23855                 }%
23856               }%
23857             }%
23858             {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
23859           \else
23860             \ifdim\cap@indent<\z@
23861               \strut
23862               #1{%
23863                 {\usekomafont{caption}{%
23864                   \usekomafont{captionlabel}{#2\captionformat}%
23865                 }%
23866               }\par}%
23867             \noindent{{\usekomafont{caption}{%
23868               \hspace*{-\cap@indent}#3\scr@endstrut
23869             }}\par}%
23870           \else
23871             \if@capbreak
23872               \strut
23873               #1{%
23874                 {\usekomafont{caption}{%
23875                   \usekomafont{captionlabel}{#2\captionformat}%
23876                 }%

```



```

23877         }\par}%
23878         \noindent\@hangfrom{\hspace*{\cap@indent}}%
23879         {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23880     \else
23881     \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
23882     {%
23883         \hspace{-\cap@indent}%
23884         \scr@smashdp{%
23885             #1{\usekomafont{caption}{%
23886                 \usekomafont{captionlabel}{#2\captionformat}}%
23887             }%
23888         }%
23889     }%
23890     {\usekomafont{caption}{#3\scr@endstrut}}\par}%
23891 }%
23892     \fi
23893     \fi
23894     \fi
23895 }%
23896     \cap@right
23897 }\par\kern\dp\strutbox
23898 }%
23899 }\kern-\dp\strutbox
23900 }
23901
23902
23903 \bidi@AfterFile{longtable-xetex-bidi.def}{%
23904     \if@komalongtable
23905         \renewcommand{\LT@makecaption}[3]{%
23906             \noalign{%
23907                 \if@captionabove
23908                     \vskip\belowcaptionskip
23909                 \else
23910                     \vskip\abovecaptionskip
23911                 \fi
23912             }%
23913             \LT@mc1\LT@cols c{%
23914                 \hbox to\z@{\hss\parbox[t]{\linewidth}{%
23915                     \def\@capttype{table}%
23916                     \@makecaption{#1}{#2}{#3}%
23917                     \endgraf
23918                     \if@captionabove
23919                         \vskip\abovecaptionskip
23920                     \else
23921                         \vskip\belowcaptionskip
23922                     \fi
23923                 }%
23924                 \hss
23925             }%
23926         }%
23927     }%
23928     \renewcommand*{\scr@LT@array}{}%
23929     \let\scr@LT@array=\LT@array
23930     \renewcommand*{\LT@array}{%

```




```

23931 \let\scr@caption=\LT@caption
23932 \def\captionabove{\noalign{\global\@captionabovetrue}%
23933 \scr@caption}%
23934 \def\captionbelow{\noalign{\global\@captionabovefalse}%
23935 \scr@caption}%
23936 \if@tablecaptionabove
23937 \let\LT@caption=\captionabove
23938 \else
23939 \let\LT@caption=\captionbelow
23940 \fi
23941 \scr@LT@array
23942 }%
23943 \ClassInfo{\KOMAClassName}{%
23944 longtable captions redefined%
23945 }%
23946 \fi
23947 }
23948
23949 \CloneTOCEntryStyle{tocline}{part}
23950 \TOCEntryStyleStartInitCode{part}{%
23951 \expandafter\renewcommand%
23952 \csname scr@tso@#1@linefill\endcsname{\hfill}%
23953 \expandafter\renewcommand%
23954 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
23955 \expandafter\renewcommand%
23956 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23957 {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
23958 \expandafter\renewcommand\expandafter*%
23959 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
23960 }
23961
23962 \CloneTOCEntryStyle{tocline}{chapter}
23963 \TOCEntryStyleStartInitCode{chapter}{%
23964 \expandafter\renewcommand%
23965 \csname scr@tso@#1@linefill\endcsname{%
23966 \if@chapterentrywithdots
23967 {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
23968 \else
23969 \hfill
23970 \fi
23971 }%
23972 \expandafter\renewcommand%
23973 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
23974 \expandafter\renewcommand%
23975 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23976 {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
23977 \expandafter\renewcommand\expandafter*%
23978 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
23979 }
23980
23981 \CloneTOCEntryStyle{tocline}{section}
23982 \TOCEntryStyleStartInitCode{section}{%
23983 \expandafter\renewcommand%
23984 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%

```



```

23985     \expandafter\renewcommand%
23986     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
23987         {\normalfont\normalcolor ##1}}%
23988 }
23989
23990 \CloneTOCEntryStyle{section}{default}
23991
23992 \DeclareSectionCommand[%
23993     style=chapter,%
23994     level=\z@,%
23995     pagestyle=plain,%
23996     tocstyle=chapter,%
23997     tocindent=\z@,%
23998     tocnumwidth=1.5em%
23999 ]{chapter}
24000 \DeclareSectionCommand[%
24001     style=section,%
24002     level=1,%
24003     indent=\z@,%
24004     beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
24005     afterskip=2.3ex \@plus .2ex,%
24006     tocstyle=section,%
24007     tocindentfollows=chapter,%
24008     tocindent=1.5em,%
24009     tocnumwidth=2.3em%
24010 ]{section}
24011 \DeclareSectionCommand[%
24012     style=part,%
24013     level=\m@ne,%
24014     pagestyle=plain,%
24015     tocstyle=part,%
24016     toplevel=\m@ne,%
24017     tocindent=\z@,%
24018     tocnumwidth=2em%
24019 ]{part}
24020 \DeclareSectionCommand[%
24021     style=section,%
24022     level=2,%
24023     indent=\z@,%
24024     beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
24025     afterskip=1.5ex \@plus .2ex,%
24026     tocstyle=section,%
24027     tocindent=3.8em,%
24028     tocnumwidth=3.2em%
24029 ]{subsection}
24030 \DeclareSectionCommand[%
24031     style=section,%
24032     level=3,%
24033     indent=\z@,%
24034     beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
24035     afterskip=1.5ex \@plus .2ex,%
24036     tocstyle=section,%
24037     tocindent=7.0em,%
24038     tocnumwidth=4.1em%

```



```

24039 ]{subsubsection}
24040 \DeclareSectionCommand[%
24041   style=section,%
24042   level=4,%
24043   indent=\z@,%
24044   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
24045   afterskip=-1em,%
24046   tocindentfollows=subsubsection,%
24047   tocstyle=section,%
24048   tocindent=10em,%
24049   tocnwidth=5em%
24050 ]{paragraph}
24051 \DeclareSectionCommand[%
24052   style=section,%
24053   level=5,%
24054   indent=\scr@parindent,%
24055   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
24056   afterskip=-1em,%
24057   tocstyle=section,%
24058   tocindent=12em,%
24059   tocnwidth=6em%
24060 ]{subparagraph}

```

144 File `sidecap-xetex-bidi.def`

```

24061 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package f
24062 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
24063   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {#2}\hspace{\sidecaptionsep}{#1}\else%
24064   \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {#1}\hspace{\sidecaptionsep}{#2}\fi}
24065 \renewcommand*\SC@justify@caption{\if@RTL%
24066   \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
24067   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

145 File `soul-xetex-bidi.def`

```

24068 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeT
24069 \long\def\SOUL@start#1{%
24070   \let\bidi@RTL@everypar\@empty
24071   \let\<\SOUL@lowerthan
24072   \let\>\empty
24073   \def\soulomit{\noexpand\soulomit}%
24074   \gdef\SOUL@eventuallyexhyphen##1{%
24075     \let\SOUL@soeventuallyskip\relax
24076     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
24077       \@minus\fontdimen4\font
24078     \SOUL@ignorespacesfalse
24079     \leavevmode
24080     \SOUL@preamble
24081     \SOUL@lasttoken={}%
24082     \SOUL@word={}%
24083     \SOUL@minus\z@
24084     \SOUL@comma\z@
24085     \SOUL@apo\z@
24086     \SOUL@grave\z@

```



```

24087 \SOUL@do{#1}%
24088 \SOUL@postamble
24089 }}
24090 \def\SOUL@ulunderline#1{#{%
24091 \setbox\z@\hbox{#1}%
24092 \dimen@=\wd\z@
24093 \dimen@i=\SOUL@uloverlap
24094 \advance\dimen@2\dimen@i
24095 \if@RTL
24096 \unhcopy\z@
24097 \llap{%
24098 \null
24099 \kern-\dimen@i
24100 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
24101 }%
24102 \else
24103 \rlap{%
24104 \null
24105 \kern-\dimen@i
24106 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
24107 }%
24108 \unhcopy\z@
24109 \fi
24110 }}
24111 \def\bidi@SOUL@ulleaders{%
24112 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule@depth\SOUL@uldp@height\SOUL@ulht}\hss}\n
24113 }
24114 \def\SOUL@uleveryspace#1{%
24115 \if@RTL
24116 #1%
24117 \bidi@SOUL@ulleaders
24118 \hskip\spaceskip
24119 \else
24120 \SOUL@ulcolor{%
24121 #1%
24122 \SOUL@ulleaders
24123 \hskip\spaceskip
24124 }%
24125 \fi
24126 \null
24127 }

```

146 File stabular-xetex-bidi.def

```

24128 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
24129 \def\@stabular{%
24130 \leavevmode \bgroup \if@RTLtab\beginR \fi
24131 \let\@acol\@tabacol
24132 \let\@classz\@tabclassz
24133 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
24134 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
24135 \egroup \if@RTLtab\endR\fi\egroup}
24136 \expandafter \let \csname endstabular*\endcsname = \endstabular
24137 \def\@sarray[#1]#2{%

```



```

24138 \bgroup
24139 \setbox\@arstrutbox\hbox{%
24140   \vrule \@height\arraystretch\ht\strutbox
24141           \@depth\arraystretch \dp\strutbox
24142           \@width\z}%
24143 \@mkpream{#2}%
24144 \edef\@preamble{%
24145   \ialign \noexpand\@halignto
24146     \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
24147 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
24148 \let\tabularnewline\%
24149   \let\@sharp##%
24150   \set@typeset@protect
24151   \lineskip\z@skip\baselineskip\z@skip
24152 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
24153   \@preamble}

```

147 File subfigure-xetex-bidi.def

```

24154 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure packa
24155 \AtBeginDocument{%
24156 \let\p@subfigure=\thefigure
24157 \let\p@subtable=\thetable%
24158 }

```

148 File tabs-xetex-bidi.def

```

24159 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for X
24160 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
24161
24162 \expandafter\let\csname endtabular*\endcsname=\endtabular
24163
24164 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
24165   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
24166   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
24167
24168 \def\@array[#1]#2{% remember global variables to allow recursion:
24169   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
24170     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
24171   \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
24172   \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
24173   \else \let\@tarlinesep\tablinesepp \fi
24174   \divide\@tarlinesep\tw@ % half sep is applied to height & depth
24175   \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
24176   \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
24177   \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
24178     \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@@size
24179     \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
24180   \fi \setbox\@arstrutbox\hbox{% set up smaller strut
24181     \vrule \@height\@tempdima \@depth\@tempdimb \@width\z}%
24182   \let\protect\noexpand
24183   \edef\@preamble{\ialign \noexpand\@halignto \bgroup
24184     \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
24185   \let\@startpbox\@startpbox \let\@endpbox\@endpbox

```



```

24186 \if#1\vtop \else \if#1b\vbox \else \vcenter \fi\fi
24187 \bgroup \let\par\@empty
24188 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
24189 \advance\extrarulesep.5\arrayrulewidth
24190 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
24191 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1\vtop \else \vbox \fi\bgroup\fi
24192 \@preamble}

```

149 File tabularx-xetex-bidi.def

```

24193 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
24194 \def\TX@endtabularx{%
24195   \expandafter\expandafter\expandafter
24196     \TX@find@endtabularxa\csname end\TX@\endcsname
24197     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
24198   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
24199   \let\verb\TX@verb
24200   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
24201   \edef\TX@ckpt{\cl@ckpt}%
24202   \let\@elt\relax
24203   \TX@old@table\maxdimen
24204   \TX@col@width\TX@target
24205   \global\TX@cols\@ne
24206   \TX@typeout@
24207     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
24208   \TX@trial{\def\NC@rewriteX{%
24209     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
24210   \loop
24211     \TX@arith
24212     \ifTX@
24213     \TX@trial{%
24214   \repeat
24215     {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
24216     \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
24217     \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
24218     \csname tabular*\expandafter\endcsname\expandafter\TX@target
24219     \the\toks@
24220     \csname endtabular*\endcsname}%
24221   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
24222   \ifnum0=`\fi}%
24223   \expandafter\expandafter\expandafter
24224     \TX@find@endtabularxbb
24225     \expandafter\end\expandafter{\TX@}%
24226   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
24227 }
24228
24229 \def\TX@trial#1{%
24230   \setbox\@tempboxa\hbox{%
24231     #1\relax
24232   \let\@footnotetext\TX@trial@ftn
24233   \let\@LTRfootnotetext\TX@trial@ftn
24234   \let\@RTLfootnotetext\TX@trial@ftn
24235   \let\TX@vwarn\@empty
24236   \expandafter\let\expandafter\tabularx\csname tabular*\endcsname

```



```

24237 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
24238 \def\write{\begingroup
24239   \def\let{\afterassignment\endgroup\toks@}%
24240   \afterassignment\let\count@}%
24241   \hbadness\M
24242   \hfuzz\maxdimen
24243   \let\hbadness\@tempcnta
24244   \let\hfuzz\@tempdima
24245   \expandafter\tabular\the\toks@
24246   \endtabular}%
24247 \TX@ckpt
24248 \TX@typeout@{\@spaces
24249   \expandafter\TX@align
24250   \the\wd\@tempboxa\space\space\space\space\space\@
24251   \expandafter\TX@align
24252   \the\TX@col@width\space\space\space\space\space\@
24253   \@spaces\the\TX@cols}}
24254
24255 \long\def\TX@LTRftntext#1{%
24256   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
24257     [\the\csname c@\@mpfn\endcsname]}%
24258   \global\TX@ftn\expandafter{\@tempa{#1}}}%
24259 \long\def\TX@xLTRftntext[#1]#2{%
24260   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
24261
24262 \long\def\TX@RTLftntext#1{%
24263   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
24264     [\the\csname c@\@mpfn\endcsname]}%
24265   \global\TX@ftn\expandafter{\@tempa{#1}}}%
24266 \long\def\TX@xRTLftntext[#1]#2{%
24267   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

150 File tabulary-xetex-bidi.def

```

24268 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
24269 \def\@testpach{\@chclass
24270   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
24271   \ifnum \@lastchclass=7 5 \else
24272   \ifnum \@lastchclass=8 \tw@ \else
24273   \ifnum \@lastchclass=9 \thr@@
24274   \else \z@
24275   \ifnum \@lastchclass = 10 \else
24276   \edef\@nextchar{\expandafter\string\@nextchar}%
24277   \@chnum
24278   \if \@nextchar c\z@ \else
24279   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
24280   \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
24281   \if \@nextchar C7 \else
24282   \if \@nextchar L8 \else
24283   \if \@nextchar R9 \else
24284   \if \@nextchar J10 \else
24285   \z@ \@chclass
24286   \if\@nextchar |\@ne \else
24287   \if \@nextchar !6 \else

```



```

24288     \if \@nextchar @7 \else
24289     \if \@nextchar <8 \else
24290     \if \@nextchar >9 \else
24291     10
24292     \@chnum
24293     \if \@nextchar m\thr@@\else
24294     \if \@nextchar p4 \else
24295     \if \@nextchar b5 \else
24296     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi
24297     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

151 File tc-xetex-bidi.def

```

24298 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for Xe
24299 \def\@cliptoboxdim#1{%
24300     \setbox#1=\hbox{%
24301         \Gin@defaultbp\WIDTH{\wd#1}%
24302         \Gin@defaultbp\DEPTH{\dp#1}%
24303         \@tempdima\ht#1%
24304         \advance\@tempdima\dp#1%
24305         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
24306         \beginL\special{pdf:bcontent }%
24307         \special{%
24308             pdf:literal direct
24309             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
24310         }%
24311         \special{pdf:literal direct W }%
24312         \special{pdf:literal direct n }%
24313         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
24314         \special{pdf:econtent }\endL%
24315     }%
24316 }

```

152 File tcolorbox-xetex-bidi.def

```

24317 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packa
24318 \let\endtcblrbox=\endminipage
24319 \let\endtcbsavebox=\endtcblrbox
24320
24321 \bidi@patchcmd{\tcb@vbox}{%
24322     \let\@footnotetext\@mpfootnotetext%
24323 }{%
24324     \let\@footnotetext\@mpfootnotetext%
24325     \let\@LTRfootnotetext\@mpLTRfootnotetext%
24326     \let\@RTLfootnotetext\@mpRTLfootnotetext%
24327 }{}{}
24328
24329 \bidi@patchcmd{\endtcbsavebox}{%
24330     \footnoterule%
24331 }{%
24332     \bidi@mpfootnoterule%
24333 }{}{}
24334 \bidi@apptocmd\tcb@icolorbox{%
24335     \@bidi@list@minipage@parboxfalse

```



24336 }{}{}

153 File titlesec-xetex-bidi.def

```
24337 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
24338 \renewcommand\filright{%
24339   \gdef\ttl@filleft##1{\hskip##1}%
24340   \gdef\ttl@filright##1{\hfill}%
24341   \let\\\@centercr
24342   \advance\rightskip\z@ \@plus 1fil
24343   \parfillskip\z@}
24344 \def\ttlhang#1#2#3#4#5#6#7#8{%
24345   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
24346   \setlength\leftskip{#6}%
24347   \setlength\rightskip{#7}%
24348   \interlinepenalty\@M
24349   \ttl@changecentercr
24350   \ttl@beginlongest
24351   #1{\ifhmode\ttl@hmode@error\fi
24352     \ttl@glcmds
24353     \parindent\z@
24354     \leavevmode
24355     \begingroup
24356     \ifttl@label
24357       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
24358       \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
24359       \llap{\box\z@}%
24360     \fi
24361     #4{#8}%
24362     \kern\z@\strut\@par
24363     \endgroup
24364     \nobreak\ttl@midlongest#5\@par}%
24365   \ttl@endlongest}
```

154 File titletoc-xetex-bidi.def

```
24366 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
24367 \renewcommand\filright{%
24368   \gdef\ttl@filleft##1{\hskip##1}%
24369   \gdef\ttl@filright##1{\hfill}%
24370   \let\\\@centercr
24371   \advance\rightskip\z@ \@plus 1fil
24372   \parfillskip\z@}
24373 \renewcommand\contentspush[1]{%
24374   \sbox\z@{#1}%
24375   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
24376   \aftergroup\ttl@b
24377   \leavevmode\llap{\box\z@}}
24378 \def\ttl@outnoblock#1#2#3{%
24379   \begingroup
24380   \ifnum\ttl@b>\ttl@a
24381     \nobreak
24382   \else\ifnum\ttl@b<\ttl@a
24383     \addpenalty{\@secpenalty}%

```



```

24384 \else
24385   \addpenalty{\z@}%
24386 \fi\fi
24387 \ttl@contentsstretch
24388 \nobreak
24389 \ifcase#1\relax\else\interlinepenalty\@M\fi
24390 \parindent\z@
24391 \ifx\@nil#2%
24392   \PackageError{titletoc}{Unimplemented}%
24393   {The optional argument is currently mandatory}%
24394 \else
24395   \if@RTL\setlength\rightskip{#2}\else
24396   \setlength\leftskip{#2}\fi%
24397 \fi
24398 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
24399 \let\contentsmargin\ttl@margin
24400 \def\ttl@makeline##1{##1}%
24401 #3%
24402 \addtolength{\parfillskip}{-\ttl@corr}%
24403 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
24404 \let\ttl@leaders\leaders}
24405 \renewcommand\ttl@margin[2][\z@]{%
24406 \def\ttl@corr{#1}%
24407 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
24408 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
24409 \def\@pnumwidth{#2}}
24410 \let\ttl@savel@part\l@part
24411 \def\l@part{\ttl@lselect{part}}
24412
24413 \let\ttl@savel@chapter\l@chapter
24414 \def\l@chapter{\ttl@lselect{chapter}}

```

155 File tocbibind-xetex-bidi.def

```

24415 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind packa
24416 \if@dotocbib
24417 \@ifpackageloaded{natbib}{}{% natbib not loaded
24418   \renewcommand{\bibsection}{\tcb@bchapsec}
24419   \renewenvironment{thebibliography}[1]{%
24420     \bibsection
24421     \begin{thebibitemlist}{#1}{\end{thebibitemlist}}}
24422 \renewenvironment{thebibitemlist}[1]{
24423   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
24424   \bidi@thebibliography@font@hook%
24425   \list{\@biblabel{\@arabic\c@enumiv}}%
24426     {\settowidth\labelwidth{\@biblabel{#1}}%
24427     \leftmargin\labelwidth
24428     \advance\leftmargin\labelsep
24429     \@openbib@code
24430     \usecounter{enumiv}%
24431     \let\p@enumiv\@empty
24432     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
24433   \sloppy
24434   \clubpenalty4000

```



```

24435 \@clubpenalty \clubpenalty
24436 \widowpenalty4000%
24437 \sfcode`.\.\@m}
24438 {\def\@noitemerr
24439 {\@latex@warning{Empty `thebibliography' environment}}}%
24440 \endlist}
24441
24442 \@ifpackagewith{chapterbib}{sectionbib}%
24443 {\renewcommand{\sectionbib}[2]{}}%
24444 {}
24445
24446 \fi
24447 \if@inltxdoc\else
24448 \renewenvironment{theindex}%
24449 {\if@twocolumn
24450 \@restonecolfalse
24451 \else
24452 \@restonecoltrue
24453 \fi
24454 \if@bibchapter
24455 \if@donumindex
24456 \refstepcounter{chapter}
24457 \twocolumn[\vspace*{2\topskip}%
24458 \makechapterhead{\indexname}}%
24459 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
24460 \chaptermark{\indexname}
24461 \else
24462 \if@dotocind
24463 \twocolumn[\vspace*{2\topskip}%
24464 \makechapterhead{\indexname}}%
24465 \prw@mkboth{\indexname}
24466 \addcontentsline{toc}{chapter}{\indexname}
24467 \else
24468 \twocolumn[\vspace*{2\topskip}%
24469 \makechapterhead{\indexname}}%
24470 \prw@mkboth{\indexname}
24471 \fi
24472 \fi
24473 \else
24474 \if@donumindex
24475 \twocolumn[\vspace*{-1.5\topskip}%
24476 \nameuse{\@tocextra}{\indexname}}%
24477 \csname \@tocextra mark\endcsname{\indexname}
24478 \else
24479 \if@dotocind
24480 \twocolumn[\vspace*{-1.5\topskip}%
24481 \toc@headstar{\@tocextra}{\indexname}}%
24482 \prw@mkboth{\indexname}
24483 \addcontentsline{toc}{\@tocextra}{\indexname}
24484 \else
24485 \twocolumn[\vspace*{-1.5\topskip}%
24486 \toc@headstar{\@tocextra}{\indexname}}%
24487 \prw@mkboth{\indexname}
24488 \fi

```



```

24489     \fi
24490   \fi
24491   \thispagestyle{plain}\parindent\z@
24492   \parskip\z@ \@plus .3\p@\relax
24493   \let\item\@idxitem}
24494   {\if@restonecol\onecolumn\else\clearpage\fi}
24495 \fi

```

156 File tocloft-xetex-bidi.def

```

24496 \ProvidesFile{tocloft-xetex-bidi.def}[2023/08/02 v0.3 bidi adaptations for tocloft package f
24497 \renewcommand{\cftpnumalign}{\if@RTL l\else r\fi}
24498 \let\cftdot\@SepMark
24499 \if@cfthaspart
24500 \renewcommand*{\l@part}[2]{
24501   \@cftdopartfalse
24502   \ifnum \c@tocdepth >-2\relax
24503     \if@cfthaschapter
24504       \@cftdoparttrue
24505     \fi
24506     \ifnum \c@tocdepth >\m@ne
24507       \if@cfthaschapter\else
24508         \@cftdoparttrue
24509       \fi
24510     \fi
24511   \fi
24512 \if@cftdopart
24513   \if@cfthaschapter
24514     \addpenalty{-\@highpenalty}
24515   \else
24516     \addpenalty\@secpenalty
24517   \fi
24518   \addvspace{\cftbeforepartskip}
24519   \begingroup
24520   {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
24521   \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24522   \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24523   \parindent \cftpartindent\relax\@afterindenttrue
24524   \interlinepenalty\@M
24525   \leavevmode
24526   \@tempdima \cftpartnumwidth\relax
24527   \let\@cftbsnum \cftpartpresnum
24528   \let\@cftasnum \cftpartaftersnum
24529   \let\@cftasnumb \cftpartaftersnumb
24530   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
24531   {\cftpartfont \cftpartpresnum #1}
24532   \cftpartfillnum{#2}}
24533   \nobreak
24534   \if@cfthaschapter
24535     \global\@nobreaktrue
24536     \everypar{\global\@nobreakfalse\everypar{}}
24537   \else
24538     \if@compatibility
24539       \global\@nobreaktrue

```



```

24540         \everypar{\global\@nobeakfalse\everypar{}}
24541         \fi
24542     \fi
24543 \endgroup
24544 \fi}
24545 \fi
24546 \if@cfthaschapter
24547 \renewcommand*{\l@chapter}[2]{
24548   \ifnum \c@tocdepth >\m@ne
24549     \addpenalty{-\@highpenalty}
24550     \vskip \cftbeforechapskip
24551     {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
24552     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24553     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24554     \parindent \cftchapindent\relax\@afterindenttrue
24555     \interlinepenalty\@M
24556     \leavevmode
24557     \@tempdima \cftchapnumwidth\relax
24558     \let\@cftbsnum \cftchappresnum
24559     \let\@cftasnum \cftchapaftersnum
24560     \let\@cftasnumb \cftchapaftersnumb
24561     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24562     {\cftchapfont #1}\nobreak
24563     \cftchapfillnum{#2}}
24564 \fi}
24565 \fi
24566 \renewcommand*{\l@section}[2]{%
24567   \ifnum \c@tocdepth >\z@
24568     \if@cfthaschapter
24569       \vskip \cftbeforeseccskip
24570     \else
24571       \addpenalty\@secpenalty
24572       \addvspace{\cftbeforeseccskip}
24573     \fi
24574     {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
24575     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24576     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24577     \parindent \cftsecindent\relax\@afterindenttrue
24578     \interlinepenalty\@M
24579     \leavevmode
24580     \@tempdima \cftsecnumwidth\relax
24581     \let\@cftbsnum \cftsecpresnum
24582     \let\@cftasnum \cftsecaftersnum
24583     \let\@cftasnumb \cftsecaftersnumb
24584     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24585     {\cftsecfont #1}\nobreak
24586     \cftsecfillnum{#2}}
24587 \fi}
24588 \renewcommand*{\l@subsection}[2]{%
24589   \ifnum \c@tocdepth >\@ne
24590     \vskip \cftbeforesubsecskip
24591     {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
24592     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24593     \parfillskip -\if@RTL\leftskip\else\rightskip\fi

```



```

24594 \parindent \cftsubsecindent\relax\@afterindenttrue
24595 \interlinepenalty\@M
24596 \leavevmode
24597 \@tempdima \cftsubsecnumwidth\relax
24598 \let\@cftbsnum \cftsubsecpresnum
24599 \let\@cftasnum \cftsubsecaftersnum
24600 \let\@cftasnumb \cftsubsecaftersnumb
24601 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24602 {\cftsubsecfont #1}\nobreak
24603 \cftsubsecfillnum{#2}}
24604 \fi}
24605 \renewcommand*\l@subsection}[2]{%
24606 \ifnum \c@tocdepth >\tw@
24607 \vskip \cftbeforesubsectionskip
24608 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
24609 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24610 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24611 \parindent \cftsubsubsecindent\relax\@afterindenttrue
24612 \interlinepenalty\@M
24613 \leavevmode
24614 \@tempdima \cftsubsubsecnumwidth\relax
24615 \let\@cftbsnum \cftsubsubsecpresnum
24616 \let\@cftasnum \cftsubsubsecaftersnum
24617 \let\@cftasnumb \cftsubsubsecaftersnumb
24618 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24619 {\cftsubsubsecfont #1}\nobreak
24620 \cftsubsubsecfillnum{#2}}
24621 \fi}
24622 \renewcommand*\l@paragraph}[2]{%
24623 \ifnum \c@tocdepth >3\relax
24624 \vskip \cftbeforeparaskip
24625 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
24626 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24627 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24628 \parindent \cftparaindent\relax\@afterindenttrue
24629 \interlinepenalty\@M
24630 \leavevmode
24631 \@tempdima \cftparanumwidth\relax
24632 \let\@cftbsnum \cftparapresnum
24633 \let\@cftasnum \cftparaaftersnum
24634 \let\@cftasnumb \cftparaaftersnumb
24635 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24636 {\cftparafont #1}\nobreak
24637 \cftparafillnum{#2}}
24638 \fi}
24639 \renewcommand*\l@subparagraph}[2]{%
24640 \ifnum \c@tocdepth >4\relax
24641 \vskip \cftbeforesubparaskip
24642 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
24643 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24644 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24645 \parindent \cftsubparaindent\relax\@afterindenttrue
24646 \interlinepenalty\@M
24647 \leavevmode

```



```

24648 \@tempdima \cftsubparanumwidth\relax
24649 \let\@cftbsnum \cftsubparapresnum
24650 \let\@cftasnum \cftsubparaaftersnum
24651 \let\@cftasnumb \cftsubparaaftersnumb
24652 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24653 {\cftsubparafont #1}\nobreak
24654 \cftsubparafillnum{#2}}
24655 \fi}
24656 \renewcommand*\l@figure}[2]{%
24657 \ifnum \c@lofdepth >\z@
24658 \vskip \cftbeforefigskip
24659 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
24660 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24661 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24662 \parindent \cftfigindent\relax\@afterindenttrue
24663 \interlinepenalty\@M
24664 \leavevmode
24665 \@tempdima \cftfignumwidth\relax
24666 \let\@cftbsnum \cftfigpresnum
24667 \let\@cftasnum \cftfigaftersnum
24668 \let\@cftasnumb \cftfigaftersnumb
24669 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24670 {\cftfigfont #1}\nobreak
24671 \cftfigfillnum{#2}}
24672 \fi
24673 }
24674 \renewcommand*\l@table}[2]{%
24675 \ifnum \c@lotdepth >\z@
24676 \vskip \cftbeforetabskip
24677 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
24678 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24679 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24680 \parindent \cfttabindent\relax\@afterindenttrue
24681 \interlinepenalty\@M
24682 \leavevmode
24683 \@tempdima \cfttabnumwidth\relax
24684 \let\@cftbsnum \cfttabpresnum
24685 \let\@cftasnum \cfttabaftersnum
24686 \let\@cftasnumb \cfttabaftersnumb
24687 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24688 {\cfttabfont #1}\nobreak
24689 \cfttabfillnum{#2}}
24690 \fi
24691 }
24692 \renewcommand{\@cftl@subfig}{
24693 \renewcommand*\l@subfigure}[2]{%
24694 \ifnum \c@lofdepth > \toclevel@subfigure
24695 \vskip \cftbeforesubfigskip
24696 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
24697 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24698 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24699 \parindent \cftsubfigindent\relax\@afterindenttrue
24700 \interlinepenalty\@M
24701 \leavevmode

```



```

24702 \@tempdima \cftsubfignumwidth\relax
24703 \let\@cftbsnum \cftsubfigpresnum
24704 \let\@cftasnum \cftsubfigaftersnum
24705 \let\@cftasnumb \cftsubfigaftersnumb
24706 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24707 {\cftsubfigfont ##1}\nobreak
24708 \cftsubfigfillnum{##2}}
24709 \fi
24710 }
24711 }
24712 \renewcommand{\@cftl@subtab}{
24713 \renewcommand*\@l@subtable}[2]{%
24714 \ifnum \c@lotdepth > \toclevel@subtable
24715 \vskip \cftbeforesubtabskip
24716 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
24717 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24718 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24719 \parindent \cftsubtabindent\relax\@afterindenttrue
24720 \interlinepenalty\@M
24721 \leavevmode
24722 \@tempdima \cftsubtabnumwidth\relax
24723 \let\@cftbsnum \cftsubtabpresnum
24724 \let\@cftasnum \cftsubtabaftersnum
24725 \let\@cftasnumb \cftsubtabaftersnumb
24726 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
24727 {\cftsubtabfont ##1}\nobreak
24728 \cftsubtabfillnum{##2}}
24729 \fi
24730 }
24731 }
24732 \renewcommand{\newlistentry}[4][\@empty]{%
24733 \@ifundefined{c@#2}{% check & set the counter
24734 \ifx \@empty#1\relax
24735 \newcounter{#2}
24736 \else
24737 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
24738 {#1 has no counter for use as a `within'}
24739 \newcounter{#2}}%
24740 {\newcounter{#2}[#1]}
24741 \expandafter\edef\csname the#2\endcsname{%
24742 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
24743 \fi
24744 \setcounter{#2}{0}
24745 }
24746 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
24747
24748 \@namedef{l@#2}##1##2{%
24749 \ifnum \@nameuse{c@#3depth} > #4\relax
24750 \vskip \@nameuse{cftbefore#2skip}
24751 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
24752 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
24753 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
24754 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
24755 \interlinepenalty\@M

```




```

24756 \leavevmode
24757 \tempdima \@nameuse{cft#2numwidth}\relax
24758 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
24759 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
24760 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
24761 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\right
24762 {\@nameuse{cft#2font}##1}\nobreak
24763 \@nameuse{cft#2fillnum}{##2}}
24764 \fi
24765 } % end of \l@#2
24766
24767 \expandafter\newlength\csname cftbefore#2skip\endcsname
24768 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
24769 \expandafter\newlength\csname cft#2indent\endcsname
24770 \expandafter\newlength\csname cft#2numwidth\endcsname
24771 \ifcase #4\relax % 0
24772 \setlength{\@nameuse{cft#2indent}}{0em}
24773 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
24774 \or % 1
24775 \setlength{\@nameuse{cft#2indent}}{1.5em}
24776 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
24777 \or % 2
24778 \setlength{\@nameuse{cft#2indent}}{3.8em}
24779 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
24780 \or % 3
24781 \setlength{\@nameuse{cft#2indent}}{7.0em}
24782 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
24783 \else % anything else
24784 \setlength{\@nameuse{cft#2indent}}{10.0em}
24785 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
24786 \fi
24787 \@namedef{cft#2font}{\normalfont}
24788 \@namedef{cft#2presnum}{}
24789 \@namedef{cft#2aftersnum}{}
24790 \@namedef{cft#2aftersnumb}{}
24791 \@namedef{cft#2dotsep}{\cftdotsep}
24792 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
24793 \@namedef{cft#2pagefont}{\normalfont}
24794 \@namedef{cft#2afterpnum}{}
24795 \@namedef{toclevel@#2}{#4}
24796 \@namedef{cft#2fillnum}##1{%
24797 {\@nameuse{cft#2leader}}\nobreak
24798 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
24799 } % end \newlistentry
24800 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
24801 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
24802 \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
24803 \if@RTL\leftskip\else\rightskip\fi \@tocmarg\relax
24804 \textit{#1}\protect\par}}}

```

157 File tocbasic-xetex-bidi.def

```

24805 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/06/15 v0.5 bidi adaptations for tocbasic package]
24806 \bidi\undef\scr@dte@def@l@undottedtocline

```



```

24807 \bidi@undef\scr@dte@undottedtocline@init
24808 \DeclareTOCEntryStyle{undottedtocline}[{%
24809   \DefineTOCEntryLengthOption{indent}%
24810   {scr@tso@}{@indent}{entry indent}%
24811   \DefineTOCEntryLengthOption{numwidth}%
24812   {scr@tso@}{@numwidth}{entry number width}%
24813   \@ifundefined{#1tocdepth}{%
24814     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24815       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24816         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24817           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24818             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24819               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24820                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24821                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24822                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24823                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
24824                         \csname #1numdepth\endcsname
24825                     }%
24826                   }%
24827                 }%
24828               }%
24829             }%
24830           }%
24831         }%
24832       }%
24833     }%
24834   }{%
24835   \@ifundefined{scr@tso@#1@indent}{%
24836     \@ifundefined{scr@#1@tocindent}{%
24837       \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24838         \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24839         \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24840         \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
24841           \scr@ifundefinedorrelax{1@chapter}{%
24842             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
24843               \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24844                 \Ifstr{#1}{subsubsection}{%
24845                   \@namedef{scr@tso@#1@indent}{3.8em}}%
24846               }{%
24847                 \Ifstr{#1}{paragraph}{%
24848                   \@namedef{scr@tso@#1@indent}{7em}}%
24849               }{%
24850                 \Ifstr{#1}{subparagraph}{%
24851                   \@namedef{scr@tso@#1@indent}{10em}}%
24852                 }{%
24853                 }%
24854               }%
24855             }%
24856           }%
24857         }%
24858       }{%
24859         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24860         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%

```



```

24861         \Ifstr{#1}{subsubsection}{%
24862             \@namedef{scr@tso@#1@indent}{7.0em}%
24863         }{%
24864             \Ifstr{#1}{paragraph}{%
24865                 \@namedef{scr@tso@#1@indent}{10em}%
24866             }{%
24867                 \Ifstr{#1}{subparagraph}{%
24868                     \@namedef{scr@tso@#1@indent}{12em}%
24869                 }{%
24870                     }%
24871                 }%
24872             }%
24873         }%
24874     }%
24875 }%
24876 }%
24877 }%
24878 }%
24879 }%
24880 }{%
24881     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
24882 }%
24883 }{%
24884 \@ifundefined{scr@tso@#1@numwidth}{%
24885     \@ifundefined{scr@#1@tocnumwidth}{%
24886         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24887             \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24888                 \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24889                     \scr@ifundefinedorrelax{chapter}{%
24890                         \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
24891                             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24892                                 \Ifstr{#1}{subsubsection}{%
24893                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
24894                                 }{%
24895                                     \Ifstr{#1}{paragraph}{%
24896                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
24897                                     }{%
24898                                         \Ifstr{#1}{subparagraph}{%
24899                                             \@namedef{scr@tso@#1@numwidth}{5m}%
24900                                         }{%
24901                                             }%
24902                                         }%
24903                                     }%
24904                                 }%
24905                             }%
24906                         }{%
24907                             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
24908                                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
24909                                     \Ifstr{#1}{subsubsection}{%
24910                                         \@namedef{scr@tso@#1@numwidth}{3.1em}%
24911                                     }{%
24912                                         \Ifstr{#1}{paragraph}{%
24913                                             \@namedef{scr@tso@#1@numwidth}{5em}%
24914                                         }{%

```



```

24915         \Ifstr{#1}{subparagraph}{%
24916             \@namedef{scr@tso@#1@numwidth}{6em}%
24917         }{%
24918             }%
24919         }%
24920     }%
24921 }%
24922 }%
24923 }%
24924 }%
24925 }%
24926 }%
24927 }{%
24928     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
24929 }%
24930 }{}%
24931 }]}%
24932 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
24933     \ifnum \@nameuse{#1tocdepth}<\@ne
24934         \scr@ifundefinedorrelax{chapter}{%
24935             \addpenalty\@secpenalty
24936             \addvspace{1.0em \@plus\p@}%
24937         }{%
24938             \addpenalty{-\@highpenalty}%
24939             \vskip 1.0em \@plus\p@
24940         }%
24941     \else
24942         \addpenalty\@secpenalty
24943         \addvspace{1.0em \@plus\p@}%
24944     \fi
24945     \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
24946     \begingroup
24947         \parindent \z@ \bidi@rightskip \@pnumwidth
24948         \parfillskip -\@pnumwidth
24949         \leavevmode
24950         \bfseries
24951         \advance\bidi@leftskip\@tempdima
24952         \Iftocfeature{\@current}{noindent}{%
24953             \hskip -\bidi@leftskip
24954         }{%
24955             \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}}%
24956             \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
24957         }%
24958     ##1%
24959     \nobreak
24960     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
24961     \par
24962     \penalty\@highpenalty
24963     \endgroup
24964 \fi
24965 }
24966
24967 \bidi@undef\scr@dte@def@1@targetocline
24968 \bidi@undef\scr@dte@1@targetocline@init

```



```

24969 \DeclareTOCEntryStyle{targetocline}[{%
24970   \DefineTOCEntryLengthOption{indent}%
24971   {scr@tso@}{@indent}{entry indent}%
24972   \@ifundefined{#1tocdepth}{%
24973     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
24974       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
24975         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
24976           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
24977             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
24978               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
24979                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
24980                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
24981                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
24982                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
24983                         \csname #1numdepth\endcsname
24984                       }%
24985                     }%
24986                   }%
24987                 }%
24988               }%
24989             }%
24990           }%
24991         }%
24992       }%
24993     }{%
24994     \@ifundefined{scr@tso@#1@indent}{%
24995       \@ifundefined{scr@#1@tocindent}{%
24996         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24997           \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
24998             \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
24999               \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
25000                 \scr@ifundefinedorrelax{1chapter}{%
25001                   \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
25002                     \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25003                       \Ifstr{#1}{subsubsection}{%
25004                         \@namedef{scr@tso@#1@indent}{3.8em}}%
25005                       }{%
25006                         \Ifstr{#1}{paragraph}{%
25007                           \@namedef{scr@tso@#1@indent}{7em}}%
25008                         }{%
25009                           \Ifstr{#1}{subparagraph}{%
25010                             \@namedef{scr@tso@#1@indent}{10em}}%
25011                           }{%
25012                             }%
25013                           }%
25014                         }%
25015                       }%
25016                     }%
25017                   }{%
25018                     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25019                       \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
25020                         \Ifstr{#1}{subsubsection}{%
25021                           \@namedef{scr@tso@#1@indent}{7.0em}}%
25022                         }{%

```



```

25023         \Ifstr{#1}{paragraph}{%
25024             \@namedef{scr@tso@#1@indent}{10em}%
25025         }{%
25026             \Ifstr{#1}{subparagraph}{%
25027                 \@namedef{scr@tso@#1@indent}{12em}%
25028             }{%
25029                 }%
25030             }%
25031         }%
25032     }%
25033 }%
25034 }%
25035 }%
25036 }%
25037 }%
25038 }%
25039 }{%
25040     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
25041 }%
25042 }{%
25043 }]{%
25044 \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth} - \@ne \relax
25045     \ifnum \@nameuse{#1tocdepth} < \@ne
25046         \scr@ifundefinedorrelax{chapter}{%
25047             \addpenalty\@secpenalty
25048             \addvspace{2.25em \@plus\p@}%
25049         }{%
25050             \addpenalty{-\@highpenalty}%
25051             \addvspace{2.25em \@plus\p@}%
25052         }%
25053     \else
25054         \addpenalty\@secpenalty
25055         \addvspace{2.25em \@plus\p@}%
25056     \fi
25057     \setlength\@tempdima{3em}%
25058     \begingroup
25059         \parindent \z@ \bidi@rightskip \@pnumwidth
25060         \parfillskip -\@pnumwidth
25061         \leavevmode
25062         \large
25063         \bfseries
25064         \Iftocfeature{\@currentt}{noindent}{%
25065             }{%
25066                 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
25067             }%
25068             ##1%
25069             \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
25070         \par
25071         \nobreak
25072         \ifnum 0=
25073             \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
25074             \global\@nobreaktrue
25075             \everypar{\global\@nobreakfalse\everypar{}}%
25076         \fi

```



```

25077 \endgroup
25078 \fi
25079 }
25080
25081 \renewcommand*{\scr@dte@tocline}[3]{%
25082 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
25083 \else
25084 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
25085 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
25086 \@nameuse{Ifscr@tso@#1@dynindent}{%
25087 \expandafter\ifx\c@name scr@tso@#1@indentfollows\endcsname\@empty
25088 \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
25089 \else
25090 \edef\reserved@a{\@nameuse{scr@tso@#1@indentfollows}}%
25091 \@for \reserved@a:=\reserved@a\do {%
25092 \scr@trim@spaces\reserved@a
25093 \ifx\reserved@a\@empty\else
25094 \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
25095 }{%
25096 \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%
25097 \@tempdima\@nameuse{scr@tso@\reserved@a @indent}\relax
25098 \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
25099 \scr@ifundefinedorrelax
25100 {scr@dte@\reserved@a @lastmaxnumwidth}{%
25101 \advance\@tempdima
25102 \@nameuse{scr@tso@\reserved@a @numwidth}\relax
25103 }{%
25104 \advance\@tempdima
25105 \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
25106 }%
25107 }{%
25108 \advance\@tempdima
25109 \@nameuse{scr@tso@\reserved@a @numwidth}\relax
25110 }%
25111 \ifdim \@tempdima>\@nameuse{scr@tso@#1@indent}\relax
25112 \expandafter\edef\c@name scr@tso@#1@indent\endcsname
25113 {\the\@tempdima}%
25114 \fi
25115 \fi
25116 }%
25117 \fi
25118 }%
25119 \fi
25120 }{}%
25121 {%
25122 \Iftocfeature{\@currentx}{noindent}{%
25123 \bidi@leftskip \z@
25124 }{%
25125 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
25126 }%
25127 \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
25128 \parfillskip -\bidi@rightskip
25129 \@nameuse{Ifscr@tso@#1@raggedpage}{%
25130 \addtolength{\parfillskip}{\z@ \@plus 1fil}%

```



```

25131 }{}%
25132 \iftocfeature{\@currentt}{noindent}{%
25133   \parindent \z@
25134 }{}%
25135   \parindent \@nameuse{scr@tso@#1@indent}\relax
25136 }%
25137 \@afterindenttrue
25138 \interlinepenalty\M
25139 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
25140   \addtolength\bidirightskip\@flushglue
25141 \else
25142   \def\reserved@a{\raggedright}%
25143   \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
25144     \addtolength\bidirightskip\@flushglue
25145   \else
25146     \renewcommand\reserved@a{\raggedright}%
25147     \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
25148       \addtolength\bidirightskip\@flushglue
25149     \fi
25150   \fi
25151 \fi
25152 \leavevmode
25153 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
25154 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
25155   \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{-%
25156     \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
25157       \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
25158     \fi
25159   }%
25160 }{}%
25161 \advance\bidileftskip \@tempdima
25162 \null\nobreak\hskip -\bidileftskip
25163 {%
25164   \usetocbasicnumberline
25165   \let\scr@dte@numberline@box\numberline@box
25166   \def\numberline@box##1{%
25167     \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
25168     \global\scr@dte@tocline@numberwidth
25169     \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
25170     \relax
25171     \ifdim \scr@dte@tocline@numberwidth
25172       >\@nameuse{scr@dte@#1@maxnumwidth}\relax
25173     \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
25174     \fi
25175     \@nameuse{Ifscr@tso@#1@dynnumwidth}{-%
25176       \ifdim \scr@dte@tocline@numberwidth
25177         >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
25178         +\@nameuse{scr@tso@#1@numsep}\relax\relax
25179       \PackageWarning{tocbasic}{%
25180         number width of #1 toc entries should be
25181         increased!\MessageBreak
25182         Currently used number width =
25183         \the\wd\scr@dte@tocline@numbox,\MessageBreak
25184         Wanted number separation

```




```

25185         \space\space\space =
25186         \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
25187         Reserved number width \space\space\space\space\space\space =
25188         \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
25189     }%
25190     \fi
25191 }%
25192 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
25193 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
25194     {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
25195 }{}%
25196 }%
25197 {\@nameuse{scr@tso@#1@entryformat}{%
25198     #2%
25199     \nobreak
25200     {%
25201         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
25202         \nobreak
25203         \expandafter\let\expandafter\scr@dte@pagenumberwidth
25204         \csname scr@tso@#1@pagenumberwidth\endcsname
25205         \@nameuse{scr@tso@#1@pagenumberbox}{%
25206             \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
25207         }%
25208     }%
25209 }}\@par
25210 }%
25211 }%
25212 \tocbasic@SetPenaltyByTOCLevel{#1}%
25213 \fi
25214 }
25215
25216
25217 \bidi@undef\scr@dte@def@1@tocline
25218 \bidi@undef\scr@dte@tocline@init
25219 \DeclareTOCEntryStyle{tocline}[{%
25220     \DefineTOCEntryLengthOption{beforeskip}%
25221     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
25222     \DefineTOCEntryIfOption{breakafternumber}%
25223     {scr@tso@}{@breakafternumber}{line break after number flag}%
25224     \DefineTOCEntryIfOption{dynnumwidth}%
25225     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
25226     \DefineTOCEntryListOption{indentfollows}%
25227     {scr@tso@}{@indentfollows}{list of levels that define the indent}%
25228     \DefineTOCEntryIfOption{dynindent}%
25229     {scr@tso@}{@dynindent}{dynamic indent width flag}%
25230     \DefineTOCEntryCommandOption{entryformat}%
25231     {scr@tso@}{@entryformat}[1]{entry format}%
25232     \DefineTOCEntryCommandOption{entrynumberformat}%
25233     {scr@tso@}{@numberformat}[1]{entry number format}%
25234     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
25235     {scr@tso@}{@linefill}{filling between text and page number}%
25236     \DefineTOCEntryLengthOption{numsep}%
25237     {scr@tso@}{@numsep}{entry number separation}%
25238     \DefineTOCEntryCommandOption{onstarthigherlevel}%

```



```

25239 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
25240 \DefineTOCEntryCommandOption{onstartlowerlevel}%
25241 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
25242 \DefineTOCEntryCommandOption{onstartsamelevel}%
25243 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
25244 \DefineTOCEntryCommandOption{pagenumberbox}%
25245 {scr@tso@}{@pagenumberbox}[1]{page number box}%
25246 \DefineTOCEntryCommandOption{pagenumberformat}%
25247 {scr@tso@}{@pagenumberformat}[1]{page number format}%
25248 \DefineTOCEntryLengthOption{pagenumberwidth}%
25249 {scr@tso@}{@pagenumberwidth}{width of page number box}%
25250 \DefineTOCEntryLengthOption{rightindent}%
25251 {scr@tso@}{@rightindent}{entry's text right indent}%
25252 \DefineTOCEntryOption{raggedentrytext}[true]{%
25253 \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
25254 \ifx\FamilyKeyState\FamilyKeyStateProcessed
25255 \if@tempswa
25256 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25257 \raggedright
25258 \else
25259 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
25260 \relax
25261 \fi
25262 \fi
25263 }%
25264 \DefineTOCEntryIfOption{raggedpagenumber}%
25265 {scr@tso@}{@raggedpage}{page number ragged flag}%
25266 \DefineTOCEntryLengthOption{indent}%
25267 {scr@tso@}{@indent}{entry indent}%
25268 \DefineTOCEntryLengthOption{numwidth}%
25269 {scr@tso@}{@numwidth}{entry number width}%
25270 \scr@ifundefinedorrelax{#1tocdepth}{%
25271 \Ifstrstart{#1}{sub}{%
25272 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
25273 \expandafter\edef\csname #1tocdepth\endcsname{%
25274 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
25275 }%
25276 }%
25277 }{}%
25278 }{}%
25279 \@ifundefined{#1tocdepth}{%
25280 \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
25281 \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
25282 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
25283 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
25284 \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
25285 \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
25286 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
25287 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
25288 \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
25289 \expandafter\let\csname #1tocdepth\endcsname
25290 \csname #1numdepth\endcsname
25291 }%
25292 }%

```



```

25293         }%
25294     }%
25295 }%
25296     }%
25297 }%
25298     }%
25299 }%
25300 }-%
25301 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
25302     \@ifundefined{scr@#1@tocindent}{%
25303         \Ifstrstart{#1}{sub}{%
25304             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
25305                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-%
25306                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25307                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
25308                     \relax
25309                 }%
25310             }%
25311         }-%
25312         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-%
25313             \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25314                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
25315             \relax
25316         }%
25317     }-%
25318     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
25319         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
25320         +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
25321     \relax
25322     }%
25323 }%
25324     }%
25325 }-%
25326 }-%
25327     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
25328 }%
25329 }-%
25330 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
25331     \Ifstrstart{#1}{sub}{%
25332         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@pagenumberwidth}{-%
25333             \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}}%
25334         }-%
25335         \expandafter\let
25336         \csname scr@tso@#1@pagenumberwidth\endcsname
25337         \csname scr@tso@\scr@dte@nosub{#1}@pagenumberwidth\endcsname
25338     }%
25339 }-%
25340     \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}}%
25341 }%
25342 }-%
25343 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
25344     \Ifstrstart{#1}{sub}{%
25345         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@rightindent}{-%
25346             \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}}%

```



```

25347 }{%
25348   \expandafter\let
25349   \csname scr@tso@#1@rightindent\expandafter\endcsname
25350   \csname scr@tso@\scr@dte@nosub{#1}@rightindent\endcsname
25351 }%
25352 }{%
25353   \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
25354 }%
25355 }-{}%
25356 \@ifundefined{scr@tso@#1@indent}{%
25357   \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25358   \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25359   \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
25360   \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
25361     \scr@ifundefinedorrelax{l@chapter}{%
25362       \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
25363         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25364           \Ifstr{#1}{subsubsection}{%
25365             \@namedef{scr@tso@#1@indent}{3.8em}%
25366           }{%
25367             \Ifstr{#1}{paragraph}{%
25368               \@namedef{scr@tso@#1@indent}{7em}%
25369             }{%
25370               \Ifstr{#1}{subparagraph}{%
25371                 \@namedef{scr@tso@#1@indent}{10em}%
25372               }{%
25373                 }%
25374               }%
25375             }%
25376           }%
25377         }%
25378       }-{}%
25379       \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
25380       \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
25381       \Ifstr{#1}{subsubsection}{%
25382         \@namedef{scr@tso@#1@indent}{7.0em}%
25383       }{%
25384         \Ifstr{#1}{paragraph}{%
25385           \@namedef{scr@tso@#1@indent}{10em}%
25386         }{%
25387           \Ifstr{#1}{subparagraph}{%
25388             \@namedef{scr@tso@#1@indent}{12em}%
25389           }{%
25390             }%
25391           }%
25392         }%
25393       }%
25394     }%
25395   }%
25396 }%
25397 }%
25398 }%
25399 }%
25400 }-{}%

```



```

25401 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
25402   \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
25403     \Ifstrstart{#1}{sub}{%
25404       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
25405         \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
25406           \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
25407             +.9em%
25408         }
25409       }%
25410     }%
25411   }{}%
25412 }{%
25413   \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
25414 }%
25415 }{}%
25416 \@ifundefined{scr@tso@#1@numwidth}{%
25417   \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25418   \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25419   \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25420     \scr@ifundefinedorrelax{chapter}{%
25421       \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
25422         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25423           \Ifstr{#1}{subsubsection}{%
25424             \@namedef{scr@tso@#1@numwidth}{3.2em}%
25425           }{%
25426             \Ifstr{#1}{paragraph}{%
25427               \@namedef{scr@tso@#1@numwidth}{4.1em}%
25428             }{%
25429               \Ifstr{#1}{subparagraph}{%
25430                 \@namedef{scr@tso@#1@numwidth}{5em}%
25431               }{%
25432                 }%
25433               }%
25434             }%
25435           }%
25436         }%
25437       }{}%
25438       \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
25439       \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
25440       \Ifstr{#1}{subsubsection}{%
25441         \@namedef{scr@tso@#1@numwidth}{3.1em}%
25442       }{%
25443         \Ifstr{#1}{paragraph}{%
25444           \@namedef{scr@tso@#1@numwidth}{5em}%
25445         }{%
25446           \Ifstr{#1}{subparagraph}{%
25447             \@namedef{scr@tso@#1@numwidth}{6em}%
25448           }{%
25449             }%
25450           }%
25451         }%
25452       }%
25453     }%
25454   }%

```



```

25455         }%
25456     }%
25457 }%
25458 }{}%
25459 \expandafter\renewcommand%
25460 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
25461 \expandafter\renewcommand%
25462 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
25463 \expandafter\renewcommand%
25464 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
25465 \@ifundefined{scr@tso@#1@beforeskip}{%
25466     \Ifstr{#1}{part}{%
25467         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
25468     }{%
25469         \Ifstr{#1}{chapter}{%
25470             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
25471         }{%
25472             \Ifstr{#1}{section}{%
25473                 \scr@ifundefinedorrelax{1}{chapter}{%
25474                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
25475                 }{}%
25476             }{}%
25477         }%
25478     }%
25479 \expandafter\renewcommand\expandafter*%
25480 \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
25481 }{}%
25482 \@ifundefined{scr@dte@#1@maxnumwidth}{%
25483     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
25484     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
25485 }{}%
25486 \renewcommand*\scr@dte@donumwidth}{%
25487 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
25488 \expandafter\renewcommand\expandafter*%
25489 \csname scr@tso@#1@numsep\endcsname{.4em}%
25490 \expandafter\renewcommand%
25491 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
25492 \Ifstr{#1}{part}{%
25493     \expandafter\providecommand%
25494     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
25495 }{%
25496     \Ifstr{#1}{chapter}{%
25497         \expandafter\providecommand%
25498         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25499     }{%
25500         \scr@ifundefinedorrelax{1}{chapter}{%
25501             \Ifstr{#1}{section}{%
25502                 \expandafter\providecommand%
25503                 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
25504             }{}%
25505         }{}%
25506         \expandafter\providecommand%
25507         \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
25508     }%

```



```

25509 }%
25510 \expandafter\renewcommand
25511 \csname Ifscr@tso@#1@breakafternumber\endcsname [2] {##2}%
25512 \@ifundefined{scr@tso@#1@linefill}{%
25513   \Ifstr{#1}{part}{%
25514     \@namedef{scr@tso@#1@linefill}{\hfill}%
25515   }{%
25516     \Ifstr{#1}{chapter}{%
25517       \@namedef{scr@tso@#1@linefill}{\hfill}%
25518     }{%
25519       \scr@ifundefinedorrelax{1@chapter}{%
25520         \Ifstr{#1}{section}{%
25521           \@namedef{scr@tso@#1@linefill}{\hfill}%
25522         }{}%
25523       }{}%
25524       \expandafter\renewcommand%
25525       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
25526     }%
25527   }%
25528 }{}%
25529 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname [2] {##2}%
25530 \Ifstr{#1}{part}{%
25531   \expandafter\providecommand%
25532   \csname scr@tso@#1@pagenumberformat\endcsname [1] {\large\bfseries ##1}%
25533 }{%
25534   \Ifstr{#1}{chapter}{%
25535     \expandafter\providecommand%
25536     \csname scr@tso@#1@pagenumberformat\endcsname [1] {\bfseries ##1}%
25537   }{%
25538     \scr@ifundefinedorrelax{1@chapter}{%
25539       \Ifstr{#1}{section}{%
25540         \expandafter\providecommand%
25541         \csname scr@tso@#1@pagenumberformat\endcsname [1] {\bfseries ##1}%
25542       }{}%
25543     }{}%
25544     \expandafter\providecommand%
25545     \csname scr@tso@#1@pagenumberformat\endcsname [1] {%
25546       {\normalfont\normalcolor ##1}}%
25547   }%
25548 }%
25549 \expandafter\renewcommand%
25550 \csname scr@tso@#1@pagenumberbox\endcsname [1] {%
25551   \hb@xt@\@nameuse{scr@dte@pagenumberwidth}{\hfil ##1}}%
25552 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname [2] {##2}%
25553 \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname [2] {##2}%
25554 \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
25555   \Ifstrstart{#1}{sub}{%
25556     \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
25557       \scr@dte@nosub{#1}}%
25558   }%
25559 }{}%
25560 \expandafter\let\csname scr@tso@#1@indentfollows\endcsname\@empty
25561 }%
25562 }{}%

```



```

25563 }]{%
25564 \scr@dte@tocline{#1}{##1}{##2}%
25565 }
25566
25567 \if@bidi@csdef{scr@tso@figure@pagenumberformat}{%
25568 \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
25569 {\normalfont\normalcolor #1}%
25570 }%
25571 }{}
25572
25573 \if@bidi@csdef{scr@tso@table@pagenumberformat}{%
25574 \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
25575 {\normalfont\normalcolor #1}%
25576 }%
25577 }{}
25578

```

158 File tocstyle-xetex-bidi.def

```

25579 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
25580 \renewcommand*{\tocstyle@dottedtocline}[5]{%
25581 \let\numberline\tocstyle@numberline
25582 \ifnum #1>\c@tocdepth \else
25583 \if@tocstyle@penalties
25584 \begingroup
25585 \@tempcnta 20010
25586 \advance \@tempcnta by -#1
25587 \ifnum \@tempcnta>\lastpenalty
25588 \aftergroup\penalty\aftergroup\@lowpenalty
25589 \fi
25590 \endgroup
25591 \fi
25592 \edef\tocstyledepth{#1}%
25593 \tocstyle@activate@features
25594 \ifx\tocstyle@feature@entryvskip\relax
25595 \vskip \z@ \@plus.2\p@
25596 \else
25597 \advvspace{\tocstyle@feature@entryvskip}%
25598 \fi
25599 {%
25600 \parskip \z@ \parindent \z@ \if@RTL\righskip\else\leftskip\fi \z@ \if@RTL\leftskip\else
25601 \tocstyle@feature@raggedhook
25602 \@tempdima #3\relax
25603 \@tempdimb #2\relax
25604 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25605 \ifnum #1>\z@\relax
25606 \@tempcnta #1\relax \advance\@tempcnta \m@ne
25607 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25608 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25609 \@tempdimb
25610 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25611 \advance\@tempdimb
25612 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
25613 \fi

```




```

25614     \fi
25615 \fi
25616 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25617 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
25618   \ifdim \@tempdimb>
25619     \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
25620     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25621       @#1\endcsname{\the\@tempdimb}%
25622   \fi
25623 \else
25624   \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
25625     @#1\endcsname{\the\@tempdimb}%
25626 \fi
25627 \iftocstyle@autolength
25628   \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25629     \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
25630     \relax
25631   \fi
25632   \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25633     \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
25634     \relax
25635   \fi
25636   \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25637   \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25638 \else
25639   \@tempdimb #2\relax
25640   \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25641 \fi
25642 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
25643   \ifdim \@tempdima>
25644     \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
25645     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25646       @\endcsname{\the\@tempdima}%
25647   \fi
25648 \else
25649   \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
25650     @\endcsname{\the\@tempdima}%
25651 \fi
25652 \ifcase\tocstyle@indentstyle\relax\else
25653   \@tempdimb \z@
25654   \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25655     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
25656     \relax
25657   \fi
25658   \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
25659   \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
25660 \fi
25661 \advance\parindent \@tempdimb\@afterindenttrue
25662 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
25663 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
25664 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
25665 \ifx\tocstyle@feature@parfillskip\relax\else
25666   \advance\parfillskip \tocstyle@feature@parfillskip\relax
25667 \fi

```



```

25668 \interlinepenalty\@M
25669 \leavevmode
25670 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
25671 \null\nobreak
25672 \iftocstyle@indentnotnumbered\else
25673 \hskip -\if@RTL\rightskip\else\leftskip\fi
25674 \fi
25675 \tocstyle@feature@entryhook
25676 {#4}\nobreak
25677 \ifx\tocstyle@feature@leaders\relax
25678 \leaders\hbox{$\m@th
25679 \mkern \dotsep mu\hbox{\tocstyle@feature@dothook .}%
25680 \mkern \dotsep mu$}\hfill
25681 \else
25682 \tocstyle@feature@leaders
25683 \fi
25684 \nobreak
25685 \ifx\tocstyle@feature@pagenumberbox\relax
25686 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
25687 \else
25688 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
25689 \fi
25690 \par
25691 }%
25692 \iftocstyle@penalties
25693 \bgroup
25694 \@tempcnta 20009
25695 \advance\@tempcnta by -#1
25696 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
25697 \reserved@a
25698 \fi
25699 \fi}
25700 \renewcommand*{\tocstyle@numberline}[1]{%
25701 \begingroup
25702 \ifx\tocstyle@feature@spaceafternumber\relax
25703 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
25704 \else
25705 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
25706 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
25707 \fi
25708 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
25709 \ifdim \@tempdima >
25710 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
25711 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25712 @\tocstyledepth\endcsname{\the\@tempdima}%
25713 \fi
25714 \else
25715 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
25716 @\tocstyledepth\endcsname{\the\@tempdima}%
25717 \fi
25718 \endgroup
25719 \iftocstyle@indentnotnumbered
25720 \hskip -\if@RTL\rightskip\else\leftskip\fi
25721 \fi

```



```

25722 \ifcase \tocstyle@indentstyle
25723   \hb@xt@{\tempdima{\tocstyle@numberline{#1}\hfil}}%
25724 \or
25725   \hb@xt@{\tempdima{\tocstyle@numberline{#1}\hfil}}%
25726 \else
25727   \ifx\tocstyle@feature@spaceafternumber\relax
25728     \hbox{\tocstyle@numberline{#1}\enskip}%
25729   \else
25730     \hbox{\tocstyle@numberline{#1}\hskip
25731       \tocstyle@feature@spaceafternumber\relax}%
25732   \fi
25733 \fi
25734 }
25735 \AtBeginDocument{%
25736   \ifcsname l@part\endcsname
25737     \ifcsname l@chapter\endcsname
25738       \setbox\@tempboxa\vbox{\hsize\maxdimen
25739         \l@part{\tocstyle@l@define{part}{-1}}{}}%
25740     \else
25741       \setbox\@tempboxa\vbox{\hsize\maxdimen
25742         \l@part{\tocstyle@l@define{part}{0}}{}}%
25743     \fi
25744 \fi
25745 \ifcsname l@chapter\endcsname
25746   \setbox\@tempboxa\vbox{\hsize\maxdimen
25747     \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
25748 \fi
25749 \ifcsname l@section\endcsname
25750   \setbox\@tempboxa\vbox{\hsize\maxdimen
25751     \l@section{\tocstyle@l@define{section}{1}}{}}%
25752 \fi
25753 \ifcsname l@subsection\endcsname
25754   \setbox\@tempboxa\vbox{\hsize\maxdimen
25755     \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
25756 \fi
25757 \ifcsname l@subsubsection\endcsname
25758   \setbox\@tempboxa\vbox{\hsize\maxdimen
25759     \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
25760 \fi
25761 \ifcsname l@paragraph\endcsname
25762   \setbox\@tempboxa\vbox{\hsize\maxdimen
25763     \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
25764 \fi
25765 \ifcsname l@subparagraph\endcsname
25766   \setbox\@tempboxa\vbox{\hsize\maxdimen
25767     \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
25768 \fi
25769 \ifcsname l@table\endcsname
25770   \setbox\@tempboxa\vbox{\hsize\maxdimen
25771     \l@table{\tocstyle@l@define{table}{1}}{}}%
25772 \fi
25773 \ifcsname l@figure\endcsname
25774   \setbox\@tempboxa\vbox{\hsize\maxdimen
25775     \l@figure{\tocstyle@l@define{figure}{1}}{}}%

```



```

25776 \fi
25777 \def\@tempa#1#2#3#4#5{%
25778   \ifnum #1>\c@tocdepth \else
25779     \vskip \z@ \@plus.2\p@
25780     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocdepth}
25781     \parindent #2\relax\@afterindenttrue
25782     \interlinepenalty\@M
25783     \leavevmode
25784     \@tempdima #3\relax
25785     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
25786     {#4}\nobreak
25787     \leaders\hbox{$\m@th
25788       \mkern \dotsep mu\hbox{.}\mkern \dotsep
25789       mu$}\hfill
25790     \nobreak
25791     \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
25792     \par}%
25793   \fi}%
25794 \ifx@dottedtocline\@tempa\else
25795   \tocstyle@macrochangewarning@dottedtocline
25796 \fi
25797 \let\tocstyle@saved@dottedtocline@dottedtocline
25798 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
25799 \ifx\numberline\@tempa\else
25800   \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
25801   \ifx\numberline\@tempa\else
25802     \tocstyle@macrochangewarning\numberline
25803   \fi
25804 \fi
25805 \let\tocstyle@saved@numberline\numberline
25806 }
25807 \renewcommand*{\tocstyle@l@define}[2]{%
25808   \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
25809   \edef\@tempa{%
25810     \noexpand\global\noexpand\let
25811     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
25812     \expandafter\noexpand\csname l@#1\endcsname
25813     \noexpand\gdef
25814     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
25815       \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
25816     \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@#1{%
25817       \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
25818       \expandafter\noexpand\csname tocstyle@l@#1\endcsname
25819     }%
25820   }%
25821   \PackageInfo{tocstyle}{prepare \expandafter\string
25822     \csname l@#1\endcsname\space for redefinition}%
25823   \@tempa
25824 }

```

159 File todonotes-xetex-bidi.def

```

25825 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packa
25826 \newif\if@bidi@todonotes@textdirection@RTL

```



```

25827 \newif\if@bidi@todonotes@figposition@right
25828 \newcommand{\@bidi@todonotes@align}{}%
25829 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
25830 \newcommand{\@bidi@todonotes@textdirection}{}%
25831 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
25832 \ifcase\@bidi@todonotes@tempb\relax
25833 \@bidi@todonotes@textdirection@RTLtrue
25834 \let\@bidi@todonotes@textdirection\RLE
25835 \or
25836 \@bidi@todonotes@textdirection@RTLfalse
25837 \let\@bidi@todonotes@textdirection\LRE
25838 \fi}
25839 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
25840 \ifcase\@bidi@todonotes@tempb\relax
25841 \@bidi@todonotes@figposition@righttrue
25842 \or
25843 \@bidi@todonotes@figposition@rightfalse
25844 \fi}
25845 \if@todonotes@disabled%
25846 \else % \if@todonotes@disabled
25847 \renewcommand{\@todonotes@drawInlineNote}{%
25848 \if@todonotes@dviStyle%
25849 {\par\noindent\begin{tikzpicture}[remember picture]%
25850 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25851 \if@todonotes@authorgiven%
25852 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
25853 \else%
25854 {\noindent \@todonotes@sizecommand \@todonotes@text}%
25855 \fi
25856 {\par\noindent\begin{tikzpicture}[remember picture]%
25857 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
25858 \else%
25859 {\par\noindent\begin{tikzpicture}[remember picture]%
25860 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25861 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@a
25862 \if@todonotes@authorgiven%
25863 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text
25864 \else%
25865 {\noindent \@todonotes@sizecommand \@todonotes@text}%
25866 \fi};%
25867 \end{tikzpicture}\par}%
25868 \fi}%
25869 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
25870 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
25871 \node [coordinate] (inText) {};%
25872 \end{tikzpicture}%
25873 \marginpar[{} Draw note in left margin
25874 \@todonotes@drawMarginNote%
25875 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
25876 ]{} Draw note in right margin
25877 \@todonotes@drawMarginNote%
25878 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
25879 }%
25880 }%

```



```

25881 \renewcommand{\@todonotes@drawMarginNote}{%
25882 \if@todonotes@dviStyle%
25883   \begin{tikzpicture}[remember picture]%
25884     \draw node[notestyle] {};%
25885   \end{tikzpicture}\%
25886   \begin{minipage}{\@todonotes@textwidth}%
25887     \if@todonotes@authorgiven%
25888       \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
25889     \else%
25890       \@todonotes@sizecommand \@todonotes@text%
25891     \fi%
25892   \end{minipage}\%
25893   \begin{tikzpicture}[remember picture]%
25894     \draw node[notestyle] (inNote) {};%
25895   \end{tikzpicture}%
25896 \else%
25897   \let\originalHbadness\hbadness%
25898   \hbadness 100000%
25899   \begin{tikzpicture}[remember picture,baseline=(X.base)]%
25900     \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
25901     \node(X){\vphantom{X}};%
25902     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25903     \if@todonotes@authorgiven%
25904       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@sizecommand\@todonotes@author};%
25905     \node(Y)[below=of X]{};%
25906     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25907     \else%
25908       \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
25909     \fi%
25910   \end{tikzpicture}%
25911   \hbadness \originalHbadness%
25912 \fi}%
25913 \end{tikzpicture}%
25914 \hbadness \originalHbadness%
25915 \fi}%
25916 \fi}%
25917 \renewcommand{\missingfigure}[2] []{%
25918 \setkeys{todonotes}{#1}%
25919 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
25920 \par
25921 \noindent
25922 \begin{tikzpicture}
25923 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
25924   (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
25925 \if@bidi@todonotes@figposition@right%
25926 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25927 \fi%
25928 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
25929   (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
25930 \if@bidi@todonotes@figposition@right%
25931 \end{scope}
25932 \begin{scope}[xshift=-3.8cm]
25933 \fi%
25934 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%

```



```

25935 \draw (2, -0.3) node[right, text
25936   width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
25937 \if@bidi@todonotes@figposition@right%
25938 \end{scope}
25939 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
25940 \fi%
25941 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}}
25942 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@textdirection}}
25943 \if@bidi@todonotes@figposition@right%
25944 \end{scope}
25945 \fi%
25946 \end{tikzpicture}}\hfill
25947 }% Ending \missingfigure command
25948 \fi % Ending \@todonotes@ifdisabled
25949 \presetkeys%
25950   {todonotes}%
25951   {align=left,%
25952   textdirection=lefttoright,%
25953   figposition=left}{}%

```

160 File wrapfig-xetex-bidi.def

```

25954 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package]
25955 \let\WF@everypar\@everypar
25956 \def\WF@putfigmaybe{%
25957 \ifinner
25958   \vskip-\parskip \global\WF@floatfalse
25959   \let\pagetotal\maxdimen % kludge flag for "not top of page"
25960 \else % outer page
25961   \@tempdima\pagedepth % save page depth
25962   {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
25963   \penalty\interlinepenalty % update pg. parameters
25964   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
25965   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
25966     \global\WF@floatfalse
25967     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
25968   \else
25969     \ifdim\WF@size>\@tempdimb
25970       \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
25971       \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
25972       \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
25973       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
25974       \advance\dimen@.5\baselineskip
25975       \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch;}%
25976         \global\WF@floatfalse \pagebreak
25977       \fi
25978       \else % \WF@info{Fits in \the\@tempdimb;}%
25979         \global\WF@floatfalse
25980       \fi\fi
25981     \vskip\@tempdima\relax % (return erased page depth)
25982 \fi
25983 \noindent
25984 \ifWF@float
25985   \WF@fltmes

```



```

25986 \else % putting here;
25987 \WF@info{Put \WF@wfname here:}%
25988 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
25989 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
25990 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
25991 \hbox to \z@{% llap or rlap depending on {l} or {r}; calc effective width
25992 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
25993 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
25994 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
25995 \xdef\WF@adjlw{\the\@tempdima}%
25996 \ifnum `l=\WF@place % fig on left
25997 \if@RTL%
25998 \kern\@tempdimb \kern\columnsep
25999 \def\@tempa{\hss}% position to left of the gap
26000 \else%
26001 \hss % figure overlaps space to the left
26002 \def\@tempa{\kern\columnsep}% position to left of the gap
26003 \fi%
26004 \else % fig on right
26005 \if@RTL%
26006 \hss
26007 \@tempdima\z@
26008 \def\@tempa{\kern\columnsep}
26009 \else%
26010 \@tempdima\z@ % no left indentation
26011 \kern\@tempdimb \kern\columnsep
26012 \def\@tempa{\hss}% figure overlaps space to the right
26013 \fi%
26014 \fi
26015 \ifdim\@tempdimb<\hsize
26016 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
26017 \xdef\WF@adjtllm{\the\@tempdima}%
26018 \else
26019 \xdef\WF@wrapil{\z@ \the\hsize}%
26020 \xdef\WF@adjlw{\z@}\xdef\WF@adjtllm{\z@}%
26021 \fi
26022 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
26023 \global\advance\WF@size-\intextsep
26024 \else % \WF@info{Putting \WF@wfname in middle of page}%
26025 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
26026 \fi \dp\WF@box\z@ \box\WF@box \@tempa
26027 }% end \hbox to Opt
26028 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
26029 \fi}

```

161 File xcolor-xetex-bidi.def

```

26030 \ProvidesFile{xcolor-xetex-bidi.def}[2022/06/13 v0.3 bidi adaptations for xcolor package for
26031 \long\def\color@b@x#1#2#3%
26032 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
26033 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
26034 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
26035 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
26036 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}

```




```

26037 \protected\def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup
26038 \DeclareRobustCommand\color
26039 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor]}
26040 \def\@undeclaredcolor[#1]#2%
26041 {\begingroup
26042 \let\@ccls\@empty
26043 \XC@getmodclr12{#1}{#2}{}%
26044 {\ifblendcolors
26045 \ifx\colorblend\@empty\else
26046 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
26047 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
26048 \fi
26049 \fi
26050 \ifconvertcolorsU
26051 \edef\@tmp{\XC@tgt@mod{\@mod}}%
26052 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
26053 \fi
26054 \ifmaskcolors
26055 \convertcolorspec\@mod\@clr\XC@mmod\@clr
26056 \let\@mod\XC@mmod
26057 \XC@inflate\@mod\XC@mclr\@clr\@tmp
26058 \expandafter\XC@mul\@tmp,\@clr
26059 \fi
26060 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
26061 \expandafter\endgroup\@tmp}}
26062 \def\@declaredcolor#1%
26063 {\XC@edef\XC@tmp{#1}\XC@tstfalse
26064 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
26065 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
26066 \ifconvertcolorsU\XC@tsttrue\fi
26067 \fi
26068 \if\XC@tst
26069 \expandafter\XC@declaredcolor\else
26070 \expandafter\XC@declaredc@lor\fi}
26071 \def\XC@undeclaredcolor#1#2%
26072 {\@ifundefinedmodel{#1}%
26073 {\c@lor@error{model `#1'}}%
26074 {\@nameuse{color@#1}\current@color{#2}}%
26075 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
26076 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
26077 \def\XC@declaredc@lor
26078 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}}%
26079 \edef\current@color{\XC@current@color}%
26080 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
26081 \DeclareRobustCommand\bidicolor
26082 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]}
26083 \def\@bidiundeclaredcolor[#1]#2%
26084 {\begingroup
26085 \let\@ccls\@empty
26086 \XC@getmodclr12{#1}{#2}{}%
26087 {\ifblendcolors
26088 \ifx\colorblend\@empty\else
26089 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
26090 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr

```



```

26091     \fi
26092     \fi
26093     \ifconvertcolorsU
26094         \edef\@tmp{\XC@tgt@mod{\@mod}}%
26095         \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
26096     \fi
26097     \ifmaskcolors
26098         \convertcolorspec\@mod\@clr\XC@mmod\@clr
26099         \let\@mod\XC@mmod
26100         \XC@inflate\@mod\XC@mclr\@clr\@tmp
26101         \expandafter\XC@mul\@tmp,\@clr
26102     \fi
26103     \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
26104     \expandafter\endgroup\@tmp}
26105 \def\XC@bidiundeclaredcolor#1#2%
26106 {\@ifundefinedmodel{#1}%
26107  {\color@error{model `#1'}}%
26108  {\@nameuse{color@#1}\current@color{#2}}%
26109  \edef\XC@current@color{\noexpand\xcolor@}{\current@color}{#1}{#2}}%
26110  \XC@display}}
26111 \def\@bidideclaredcolor#1%
26112 {\XC@edef\XC@tmp{#1}\XC@tstfalse
26113  \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
26114    \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
26115    \ifconvertcolorsU\XC@tsttrue\fi
26116  \fi
26117  \ifXC@tst
26118    \expandafter\XC@bidideclaredcolor\else
26119    \expandafter\XC@bidideclaredcolor\fi}
26120 \def\XC@bidideclaredcolor
26121 {\XC@split\XC@tmp
26122  \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
26123  \expandafter\endgroup\@tmp}
26124 \def\XC@bidideclaredcolor
26125 {\XC@let\Nc\XC@current@color{\string\color\XC@tmp}%
26126  \edef\current@color{\XC@current@color}%
26127  \XC@display}
26128 \def\color@box#1#2{\color@box\relax{\bidicolor#1{#2}}}
26129 \def\color@fbx#1#2#3{\protect\color@fbx{#1}{#2}{#3}}
26130 \def\color@fbx#1#2#3#4%
26131  {\color@box{\fbxsep\z@\bidicolor#1{#2}\XC@fbx}%
26132  {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
26133 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\setcolor\ifhmode

```

162 File latex-xetex-bidi.def

```

26134 \ProvidesFile{latex-xetex-bidi.def}[2024/12/08 v1.5.1 bidi adaptations for `latex.ltx' for
26135 \newcommand{\TeXeTOn}{\TeXeTstate\@one}
26136 \newcommand{\TeXeTOff}{\TeXeTstate\@z}
26137 \TeXeTOn
26138 \def\ bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox
26139  \let\ bidi@o@everypar=\everypar
26140  \newtoks\ bidi@n@everypar
26141  \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}

```



```

26142 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
26143 \let\everypar=\bidi@n@everypar
26144 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
26145 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
26146 \protected\def\hboxR{\hbox\bgroup
26147 \everyhbox{%
26148 \aftergroup\egroup
26149 \everyhbox{}}%
26150 \beginR
26151 \@hboxRconstructtrue
26152 \bgroup
26153 \aftergroup\endR
26154 \aftergroup\egroup
26155 }\hbox}
26156 \protected\def\hboxL{\hbox\bgroup
26157 \everyhbox{%
26158 \aftergroup\egroup
26159 \everyhbox{}}%
26160 \beginL
26161 \@hboxRconstructfalse
26162 \bgroup
26163 \aftergroup\endL
26164 \aftergroup\egroup
26165 }\hbox}
26166 \protected\def\vboxR{\vbox\bgroup
26167 \everyvbox{%
26168 \aftergroup\egroup
26169 \everyvbox{}}%
26170 \@RTLtrue
26171 \@RTLtabtrue
26172 \bgroup
26173 \aftergroup\egroup
26174 }\vbox}
26175 \protected\def\vboxL{\vbox\bgroup
26176 \everyvbox{%
26177 \aftergroup\egroup
26178 \everyvbox{}}%
26179 \@RTLfalse
26180 \@RTLtabfalse
26181 \bgroup
26182 \aftergroup\egroup
26183 }\vbox}
26184 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
26185 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
26186 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hspace\linewidth\parshape\z@\bidi@bea
26187 \def\endLTR{\par}
26188 \newenvironment{LTR*}{\LTR
26189 \everypar{%
26190 {\setbox\z@\lastbox
26191 \ifvoid\z@
26192 \kern-\parindent
26193 \fi}%
26194 }%
26195 }\endLTR\@endptrue}

```



```

26196 \def\RTL{\par\RTLtrue\@RTL@footnotetrue\@RTL@tabtrue\hsize\linewidth\parshape\z@\bidi@beamer
26197 \def\endRTL{\par}
26198 \newenvironment{RTL*}{\RTL
26199   \everypar{%
26200     {\setbox\z@\lastbox
26201       \ifvoid\z@
26202         \kern-\parindent
26203       \fi}%
26204   }%
26205 }\endRTL\@endptrue}
26206 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTL@tabtrue\bidi@beamer@ragged}
26207 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTL@tabfalse\bidi@beamer@ragged}
26208 \let\unsetRTL=\setLTR
26209 \let\unsetLTR=\setRTL
26210 \let\LR=\LRE
26211 \let\RL=\RLE
26212 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
26213 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
26214 \let\@ensure@RL=\@ensure@RTL
26215 \let\@ensure@LR=\@ensure@LTR
26216 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
26217 \let\@ensure@maindir=\@ensure@dir
26218 \def\@@RTL{RTL}
26219 \def\@@LTR{LTR}
26220 \def\save@dir{\if@RTL\gdef\save@@dir{RTL}\else\gdef\save@@dir{LTR}\fi}
26221 \def\reset@dir{\ifx\save@@dir\@@RTL\setRTL\else\ifx\save@@dir\@@LTR\setLTR\else\relax\fi}
26222 \let\@@TeX\TeX
26223 \def\TeX{\@ensure@LTR{\@@TeX}}
26224 \let\@@LaTeX\LaTeX
26225 \def\LaTeX{\@ensure@LTR{\@@LaTeX}}
26226 \let\@@LaTeXe\LaTeXe
26227 \def\LaTeXe{\@ensure@LTR{\@@LaTeXe}}
26228 \long\def\bidi@reflect@box#1{%
26229   \leavevmode
26230   \setbox\z@\hbox{#1}}%
26231   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore
26232   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}}%
26233 }
26234 \if@bidi@csundef{XeTeX}{%
26235 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
26236   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}}$}%
26237 }{%
26238 \let\@bidi@orig@XeTeX\XeTeX
26239 \bidi@renewrobustcmd*{\XeTeX}{\LR{\@bidi@orig@XeTeX}}%
26240 }
26241 \if@bidi@csundef{XeLaTeX}{%
26242 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
26243   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}}$}%
26244 }{%
26245 \let\@bidi@orig@XeLaTeX\XeLaTeX
26246 \bidi@renewrobustcmd*{\XeLaTeX}{\LR{\@bidi@orig@XeLaTeX}}%
26247 }
26248 \let\setRL=\setRTL
26249 \let\setLR=\setLTR

```



```

26250 \let\unsetRL=\setLTR
26251 \def\ bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
26252 \@ifpackageloaded{array}{%
26253 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
26254 \leavevmode
26255 \hbox \bgroup $\left.\col@sep\tabcolsep \let\d@llarbegin\begin\group
26256 \let\d@llarend\end\group
26257 \@tabarray}
26258 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
26259 }{%
26260 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
26261 \leavevmode \hbox \bgroup
26262 $\left.\let\@acol\@tabacol
26263 \let\@classz\@tabclassz
26264 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26265
26266 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
26267 \egroup\right\rbrace $\egroup}}
26268 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
26269 \ialign{##\hfil$\&\quad{##}\hfil\crr#1\crr}}\,\right\}}
26270 \renewenvironment{RTLcases}{%
26271 \bidi@matrix@check\RTLcases\env@RTLcases
26272 }{%
26273 \endbidi@tabular@RTLcases%
26274 }
26275 \def\env@RTLcases{%
26276 \let\@ifnextchar\bidi@new@ifnextchar
26277 \def\arraystretch{1.2}%
26278 \bidi@tabular@RTLcases{\@{}r{\quad}r{\}}%
26279 }
26280 \def\SepMark#1{\gdef\@SepMark{#1}}
26281 \SepMark{.}
26282 \def\@thmcountersep{\@SepMark}
26283 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
26284 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
26285 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
26286 \newcommand*\bidi@thebibliography@font@hook{}
26287 \def\list#1#2{%
26288 \ifnum \@listdepth >5\relax
26289 \toodeep
26290 \else
26291 \global\advance\@listdepth\@ne
26292 \fi
26293 \rightmargin\z@
26294 \listparindent\z@
26295 \itemindent\z@
26296 \csname @list\romannumeral\the\@listdepth\endcsname
26297 \def\@itemlabel{#1}%
26298 \let\makelabel\@mklab
26299 \@nbrlistfalse
26300 #2\relax
26301 \@trivlist
26302 \parskip\parsep
26303 \parindent\listparindent

```



```

26304 \advance\linewidth -\rightmargin
26305 \advance\linewidth -\leftmargin
26306 \if@bidi@list@minipage@parbox
26307 \if@RTL
26308 \advance\@totalleftmargin \leftmargin
26309 \else
26310 \advance\@totalleftmargin \rightmargin
26311 \fi
26312 \else
26313 \if@hboxRconstruct
26314 \if@bidi@list@minipage@parbox@not@nob
26315 \if@RTL
26316 \advance\@totalleftmargin \rightmargin
26317 \else
26318 \advance\@totalleftmargin \leftmargin
26319 \fi
26320 \else
26321 \if@RTL
26322 \advance\@totalleftmargin \leftmargin
26323 \else
26324 \advance\@totalleftmargin \rightmargin
26325 \fi\fi
26326 \else
26327 \if@RTL
26328 \advance\@totalleftmargin \rightmargin
26329 \else
26330 \advance\@totalleftmargin \leftmargin
26331 \fi\fi\fi
26332 \parshape \@ne \@totalleftmargin \linewidth
26333 \ignorespaces}
26334 \long\def\@iiiparbox#1#2[#3]#4#5{%
26335 \leavevmode
26336 \@pboxswfalse
26337 \if@hboxRconstruct
26338 \@bidi@list@minipage@parbox@not@nobtrue
26339 \fi
26340 \if@RTL
26341 \ifx#1%
26342 \@bidi@list@minipage@parboxtrue
26343 \else
26344 \ifx#1b%
26345 \@bidi@list@minipage@parboxtrue
26346 \fi
26347 \fi
26348 \fi
26349 \setlength\@tempdima{#4}%
26350 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
26351 \ifx\relax#2\else
26352 \setlength\@tempdimb{#2}%
26353 \edef\@parboxto{to\the\@tempdimb}%
26354 \fi
26355 \if#1b\vbox
26356 \else\if #1t\top
26357 \else\ifmode\vcenter

```



```

26358 \else\@pboxswtrue $\vcenter
26359 \fi\fi\fi
26360 \@parboxto{\let\hss\vss\let\unhbox\unvbox
26361 \csname bm@#3\endcsname}%
26362 \if@pboxsw \m@th$\fi
26363 \@end@tempboxa}
26364 \newenvironment{LTRitems}
26365 {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
26366 \if@bidi@list@minipage@parbox
26367 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26368 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26369 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26370 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26371 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26372 \ignorespaces}{\vskip\z@}
26373 \newenvironment{RTLitems}
26374 {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
26375 \if@bidi@list@minipage@parbox
26376 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26377 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26378 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26379 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26380 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26381 \ignorespaces}{\vskip\z@}
26382 \newenvironment{LTRbibitems}
26383 {\par\@RTLfalse\@RTLtabfalse\@bidi@beamer@ragged
26384 \if@bidi@list@minipage@parbox
26385 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
26386 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26387 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
26388 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26389 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26390 \ignorespaces}{\vskip\z@}
26391 \newenvironment{RTLbibitems}
26392 {\par\@RTLtrue\@RTLtabtrue\@bidi@beamer@ragged
26393 \if@bidi@list@minipage@parbox
26394 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
26395 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
26396 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
26397 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
26398 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
26399 \ignorespaces}{\vskip\z@}
26400 \def\raggedright{%
26401 \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
26402 \leftskip\z@skip
26403 \parindent\z@\parfillskip\z@skip}
26404 \let\@bidi@orig@raggedleft\raggedleft
26405 \let\@bidi@orig@raggedright\raggedright
26406 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRco
26407 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRco
26408 \newcommand{\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
26409 \newcommand{\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
26410 \DeclareRobustCommand\centerline[1]{%
26411 \if@RTL\@@line{\hss\beginR#1\endR\hss}

```



```

26412 \else\@@line{\hss#1\hss}\fi}
26413 \def\ bidi@orig@leftline#1{%
26414 \if@RTL\@@line{\beginR#1\endR\hss}
26415 \else\@@line{#1\hss}\fi}
26416 \def\ bidi@orig@rightline#1{%
26417 \if@RTL\@@line{\hss\beginR#1\endR}
26418 \else\@@line{\hss#1}\fi}
26419 \DeclareRobustCommand\leftline[1]{\ifhmode\if@RTL\ bidi@orig@rightline{#1}\else\ bidi@orig@lef
26420 \DeclareRobustCommand\rightline[1]{\ifhmode\if@RTL\ bidi@orig@leftline{#1}\else\ bidi@orig@rig
26421 \DeclareRobustCommand\bidirlap[1]{\hbext@z@\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
26422 \DeclareRobustCommand\bidillap[1]{\hbext@z@\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
26423 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#{#1}}%
26424 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
26425 \def\narrower{%
26426 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
26427 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
26428 \DeclareRobustCommand\underline[1]{%
26429 \relax
26430 \ifmode\@@underline{#1}%
26431 \else
26432 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
26433 \else
26434 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
26435 \if@compatibility
26436 \let\underline=\underline
26437 \fi
26438 \def\@tabular{%
26439 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
26440 $\let\@acol\@tabacol
26441 \let\@classz\@tabclassz
26442 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
26443 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
26444 \egroup $\if@RTLtab\endR\fi\egroup}
26445 \expandafter \let \csname endtabular*\endcsname = \endtabular
26446 \def\@array[#1]#2{%
26447 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
26448 \bgroup
26449 \setbox\@arstrutbox\hbox{%
26450 \vrule \@height\arraystretch\ht\strutbox
26451 \@depth\arraystretch \dp\strutbox
26452 \@widthz@}%
26453 \mkpream{#2}%
26454 \edef\@preamble{%
26455 \ialign \noexpand\@halignto
26456 \bgroup \@arstrut \@preamble \tabskipz@skip \cr}%
26457 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
26458 \let\@tabularnewline\%
26459 \let\par\@empty
26460 \let\@sharp##%
26461 \set@typeset@protect
26462 \lineskipz@skip\baselineskipz@skip
26463 \ifhmode \@preamerrz@ \@@par\fi
26464 \if@RTLtab\hbox\bgroup\beginR\hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
26465 \@preamble}

```




```

26466 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
26467 \let\@classiv\@arrayclassiv
26468 \let\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
26469 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
26470 \ifnum \@lastchclass=3 5 \else
26471 \z@ \if #1c\@chnum \z@ \else
26472 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
26473 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
26474 \@chclass \if #1|\@ne \else
26475 \if #1@tw@ \else
26476 \if #1p3 \else \z@ \@preamerr 0\fi
26477 \fi \fi \fi \fi \fi \fi
26478 \fi}
26479 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
26480 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
26481 \def\bm@t{\unhbox\@tempboxa\hss}
26482 \def\bm@b{\hss\unhbox\@tempboxa}
26483 \def\@dottedtocline#1#2#3#4#5{%
26484 \ifnum #1>\c@tocdepth \else
26485 \vskip \z@ \@plus.2\p@
26486 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocma
26487 \parindent #2\relax\@afterindenttrue
26488 \interlinepenalty\@M
26489 \leavevmode
26490 \@tempdima #3\relax
26491 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
26492 {#4}\nobreak
26493 \leaders\hbox{\$}\m@th
26494 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
26495 mu$}\hfill
26496 \nobreak
26497 \hb@xt@\@pnumwidth{\{ \hfil\normalfont \normalcolor #5}\}%
26498 \par}%
26499 \fi}
26500
26501 \newcount\@bidi@column@check@number
26502
26503 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}
26504
26505 \def\@bidi@set@column@status#1#2{%
26506 \global\expandafter\let\csname #1\endcsname\@bidi@current@column@status}
26507
26508 \if@twocolumn
26509 \newcommand\DetectColumn[3][1]{%
26510 \ifx\@bidi@firstcolumn@status\write\relax
26511 \PackageError{bidi}%
26512 {Option 'DetectColumn' not selected}%
26513 {\string\DetectColumn\space
26514 requires the use of the 'DetectColumn'
26515 option on the package}%
26516 \fi
26517 \global\advance\@bidi@column@check@number\@ne
26518 \edef\@bidi@column@type{\expandafter\ifx
26519 \csname bidi@column-\the\@bidi@column@check@number\endcsname\relax

```



```

26520             0\else
26521             \csname bidi@column-\the\bidi@column@check@number\endcsname
26522             \fi}%
26523 \ifcase \bidi@column@type\relax
26524     \ifcase #1\or #2\or#3\fi % 0 not known use first column as default
26525 \or
26526     #2% % 1 First column
26527 \or
26528     #3% % 2 Second (Last column)
26529 \else
26530     \ERROR
26531 \fi
26532 \edef\next{\write\@auxout
26533     {\string\bidi@set@column@status{\bidi@column-\the\bidi@column@check@number}%
26534     {\bidi@column@type}}}%
26535 \next
26536 }
26537
26538 \AtEndDocument{\def\bidi@set@column@status#1#2{%
26539     \ifnum #2=\bidi@current@column@status\else
26540     \@tempwattrue
26541     \fi}%
26542 }
26543 \fi
26544
26545 \def\RTL@outputdblcol{%
26546 \if@firstcolumn
26547     \global\@firstcolumnfalse
26548     \global\setbox\@leftcolumn\copy\@outputbox
26549     \splitmaxdepth\maxdimen
26550     \vbadness\maxdimen
26551     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26552     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26553     \toks@\expandafter{\topmark}%
26554     \xdef\@firstcoltopmark{\the\toks@}%
26555     \toks@\expandafter{\splitfirstmark}%
26556     \xdef\@firstcolfirstmark{\the\toks@}%
26557     \ifx\@firstcolfirstmark\@empty
26558     \global\let\@setmarks\relax
26559     \else
26560     \gdef\@setmarks{%
26561         \let\firstmark\@firstcolfirstmark
26562         \let\topmark\@firstcoltopmark}%
26563     \fi
26564 \else
26565     \global\@firstcolumntrue
26566     \setbox\@outputbox\vbox{%
26567     \hb@xt@\textwidth{%
26568         \hskip \columnwidth
26569         \hfil
26570         {\normalcolor\vrule \@width\columnseprule}%
26571         \hfil
26572         \hb@xt@\columnwidth{%
26573         \bidi@firstcolumn@status@write%

```



```

26574     \box\@leftcolumn \hss}%
26575     \hskip -\textwidth
26576     \hb@xt@\columnwidth{%
26577     \bidi@lastcolumn@status@write%
26578     \box\@outputbox \hss}%
26579     \hskip \columnsep
26580     \hskip \columnwidth }}%
26581 \@combinedblfloats
26582   \@setmarks
26583   \@outputpage
26584   \begingroup
26585     \@dblfloatplacement
26586     \@startdblcolumn
26587     \@whilesw@if@fcolmade \fi{\@outputpage
26588     \@startdblcolumn}%
26589   \endgroup
26590 \fi}%
26591
26592 \def\LTR@outputdblcol{%
26593   \if@firstcolumn
26594     \global\@firstcolumnfalse
26595     \global\setbox\@leftcolumn\copy\@outputbox
26596     \splitmaxdepth\maxdimen
26597     \vbadness\maxdimen
26598     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
26599     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
26600     \toks@\expandafter{\topmark}%
26601     \xdef\@firstcoltopmark{\the\toks@}%
26602     \toks@\expandafter{\splitfirstmark}%
26603     \xdef\@firstcolfirstmark{\the\toks@}%
26604     \ifx\@firstcolfirstmark\@empty
26605       \global\let\@setmarks\relax
26606     \else
26607       \gdef\@setmarks{%
26608         \let\firstmark\@firstcolfirstmark
26609         \let\topmark\@firstcoltopmark}%
26610     \fi
26611   \else
26612     \global\@firstcolumntrue
26613     \setbox\@outputbox\vbox{%
26614     \hb@xt@\textwidth{%
26615     \hb@xt@\columnwidth{%
26616     \bidi@firstcolumn@status@write%
26617     \box\@leftcolumn \hss}%
26618     \hfil
26619     {\normalcolor\vrule \@width\columnseprule}%
26620     \hfil
26621     \hb@xt@\columnwidth{%
26622     \bidi@lastcolumn@status@write%
26623     \box\@outputbox \hss}}}%
26624 \@combinedblfloats
26625   \@setmarks
26626   \@outputpage
26627   \begingroup

```



```

26628     \@dblfloatplacement
26629     \@startdblcolumn
26630     \@whilesw@if@fcolmade \fi{\@outputpage
26631     \@startdblcolumn}%
26632   \endgroup
26633 \fi}%
26634
26635
26636 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
26637 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
26638 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
26639
26640 \bidi@patchcmd\@makecol{%
26641   \ifvoid\footins
26642     \setbox\@outputbox \box\@cclv
26643   \else
26644     \setbox\@outputbox \vbox {%
26645       \boxmaxdepth \@maxdepth
26646       \unvbox \@cclv
26647       \vskip \skip\footins
26648       \color@begingroup
26649         \normalcolor
26650         \footnoterule
26651         \unvbox \footins
26652       \color@endgroup
26653     }%
26654   \fi
26655 }{%
26656   \ifvoid\footins
26657     \ifvoid\@bidi@copyins@
26658       \setbox\@outputbox \box\@cclv
26659     \else
26660       \setbox\@outputbox \vbox {%
26661         \boxmaxdepth \@maxdepth
26662         \unvbox \@cclv
26663         \vskip \skip\@bidi@copyins@
26664         \color@begingroup
26665           \normalcolor
26666           \unvbox \@bidi@copyins@
26667         \color@endgroup
26668       }%
26669     \fi
26670   \else
26671     \setbox\@outputbox \vbox {%
26672       \boxmaxdepth \@maxdepth
26673       \unvbox \@cclv
26674       \vskip \skip\footins
26675       \color@begingroup
26676         \normalcolor
26677         \footnoterule
26678         \unvbox \footins
26679       \color@endgroup
26680     \ifvoid\@bidi@copyins@
26681     \else

```



```

26682         \vskip \skip\@bidi@copyins@
26683         \color@begingroup
26684         \normalcolor
26685         \unvbox \@bidi@copyins@
26686         \color@endgroup
26687     \fi
26688 }%
26689 \fi
26690 }{}{}
26691
26692 \def\LTRmarginpar{%
26693     \ifhmode
26694         \@bsphack
26695         \@floatpenalty -\@Mii
26696     \else
26697         \@floatpenalty-\@Miii
26698     \fi
26699     \ifinner
26700         \@parmoderr
26701         \@floatpenalty\z@
26702     \else
26703         \@next\@currbox\@freelist{}{}%
26704         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26705         {\@floatpenalty\z@
26706         \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26707     \fi
26708     \@ifnextchar [\@LTRxmpar\@LTRympar}
26709 \long\def\@LTRxmpar[#1]#2{%
26710     \@LTRsavemarbox\@marbox{#1}%
26711     \@LTRsavemarbox\@currbox{#2}%
26712     \@xympar}
26713 \long\def\@LTRympar#1{%
26714     \@LTRsavemarbox\@marbox{#1}%
26715     \global\setbox\@currbox\copy\@marbox
26716     \@xympar}
26717 \long\def \@LTRsavemarbox #1#2{%
26718     \global\setbox #1%
26719         \color@vbox
26720         \vtop{%
26721             \hsize\marginparwidth
26722             \@parboxrestore
26723             \@LTRmarginparreset
26724             #2%
26725             \@minipagefalse
26726             \outer@nobreak
26727         }%
26728     \color@endbox
26729 }
26730 \def \@LTRmarginparreset {%
26731     \reset@font
26732     \normalsize
26733     \@minipagetrue
26734     \everypar{\@minipagefalse\everypar{}\beginL}%
26735 }

```



```

26736 \def\RTLmarginpar{%
26737   \ifhmode
26738     \@bsphack
26739     \@floatpenalty -\@Mii
26740   \else
26741     \@floatpenalty-\@Miii
26742   \fi
26743   \ifinner
26744     \@parmoderr
26745     \@floatpenalty\z@
26746   \else
26747     \@next\@currbox\@freelist{}{}%
26748     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
26749     {\@floatpenalty\z@
26750      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
26751   \fi
26752   \@ifnextchar [\@RTLxmpar\@RTLympar]
26753 \long\def\@RTLxmpar[#1]#2{%
26754   \@RTLSavemarbox\@marbox{#1}%
26755   \@RTLSavemarbox\@currbox{#2}%
26756   \@xympar}
26757 \long\def\@RTLympar#1{%
26758   \@RTLSavemarbox\@marbox{#1}%
26759   \global\setbox\@currbox\copy\@marbox
26760   \@xympar}
26761 \long\def \@RTLSavemarbox #1#2{%
26762   \global\setbox #1%
26763     \color@vbox
26764     \vtop{%
26765       \hsize\marginparwidth
26766       \@parboxrestore
26767       \@RTLmarginparreset
26768       #2%
26769       \@minipagefalse
26770       \outer@nobreak
26771     }%
26772   \color@endbox
26773 }
26774 \def \@RTLmarginparreset {%
26775   \reset@font
26776   \normalsize
26777   \@minipagetrue
26778   \everypar{\@minipagefalse\everypar{}\beginR}%
26779 }
26780 \def \@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
26781   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
26782   \if@twocolumn
26783     \if@firstcolumn \@tempcnta\m@ne \fi
26784   \else
26785     \if@mparswitch
26786       \ifodd\c@page \else\@tempcnta\m@ne \fi
26787     \fi
26788     \if@reversemargin \@tempcnta -\@tempcnta \fi
26789   \fi

```



```

26790 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
26791 \@tempdima\@mparbottom
26792 \advance\@tempdima -\@pageht
26793 \advance\@tempdima\ht\@marbox
26794 \ifdim\@tempdima >\z@
26795 \latex@warning@no@line {Marginpar on page \thepage\space moved}%
26796 \else
26797 \@tempdima\z@
26798 \fi
26799 \global\@mparbottom\@pageht
26800 \global\advance\@mparbottom\@tempdima
26801 \global\advance\@mparbottom\dp\@marbox
26802 \global\advance\@mparbottom\marginparpush
26803 \advance\@tempdima -\ht\@marbox
26804 \global\setbox \@marbox
26805 \vbox {\vskip \@tempdima
26806 \box \@marbox}%
26807 \global \ht\@marbox \z@
26808 \global \dp\@marbox \z@
26809 \kern -\@pagedp
26810 \nointerlineskip
26811 \hb@xt@\columnwidth
26812 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
26813 \hskip\columnwidth \hskip\marginparsep
26814 \else
26815 \hskip -\marginparsep \hskip -\marginparwidth
26816 \fi
26817 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR
26818 \nointerlineskip
26819 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
26820 \long\def\@ympar#1{%
26821 \savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
26822 \global\setbox\@currbox\copy\@marbox
26823 \@xympar}
26824 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
26825 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
26826 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
26827 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
26828 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
26829 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
26830 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
26831 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
26832 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
26833 \fi}
26834
26835 \newcommand*\bidi@font@outputpage{}
26836
26837 \def\@outputpage{%
26838 \begingroup % the \endgroup is put in by \aftergroup
26839 \let \protect \noexpand
26840 \@resetactivechars
26841 \global\let\@if@newlist\if@newlist
26842 \global\@newlistfalse
26843 \@parboxrestore

```



```

26844 \global\let\ bidi@BeforeOutputPageShipOut \@firstofone
26845 \bidi@beforeoutputpageshipouthook
26846 \shipout \vbox{%
26847   \set@typeset@protect
26848   \aftergroup \endgroup
26849   \aftergroup \set@typeset@protect
26850                               % correct? or just restore by ending
26851                               % the group?
26852 \if@specialpage
26853   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
26854 \fi
26855 \if@twoside
26856   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
26857   \ifRTLmain
26858     \let\@themargin\evensidemargin
26859   \else
26860     \let\@themargin\oddsidemargin
26861   \fi
26862 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
26863 \ifRTLmain
26864   \let\@themargin\oddsidemargin
26865 \else
26866   \let\@themargin\evensidemargin
26867 \fi
26868 \fi
26869 \ifx\@thehead\@empty \let\@thehead\hfil \fi
26870 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
26871 \else %% not @twoside
26872 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
26873 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
26874 \fi
26875 \reset@font
26876 \normalsize
26877 \bidi@font@@outputpage
26878 \normalsfcodes
26879 \let\label\@gobble
26880 \let\index\@gobble
26881 \let\glossary\@gobble
26882 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
26883 \@begindvi
26884 \vskip \topmargin
26885 \moveright\@themargin \vbox {%
26886   \global\let\ bidi@BeforeHeader \@firstofone
26887   \bidi@beforeheaderhook
26888   \setbox\@tempboxa \vbox to\headheight{%
26889     \vfil
26890     \color@hbox
26891     \normalcolor
26892     \hb@xt@\textwidth{\ifRTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if
26893     \color@endbox
26894     }%
26895     \dp\@tempboxa \z@
26896     \box\@tempboxa
26897     \vskip \headsep

```




```

26898 \global\let\bidibeforeoutputboxoutputpage\@firstofone
26899 \bidibeforeoutputboxoutputpagehook
26900 \box\outputbox
26901 \global\let\bidiafteroutputboxoutputpage\@firstofone
26902 \bidiafteroutputboxoutputpagehook
26903 \global\let\bidibeforefooter\@firstofone
26904 \bidibeforefooterhook
26905 \baselineskip \footskip
26906 \color@hbox
26907 \normalcolor
26908 \hb@xt@\textwidth{\ifRTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL}
26909 \color@endbox
26910 \global\let\bidiafterfooter\@firstofone
26911 \bidiafterfooterhook
26912 }%
26913 }%
26914 \global\let\bidiafteroutputpageshipout\@firstofone
26915 \bidiafteroutputpageshipouthook
26916 \global\let\if@newlist\@if@newlist
26917 \global \colht \textheight
26918 \stepcounter{page}%
26919 \let\firstmark\botmark
26920 \global\let\bidiatendoutputpage\@firstofone
26921 \bidiatendoutputpagehook
26922 }
26923 \long\def\makecaption#1#2{%
26924 \vskip\abovecaptionskip
26925 \sbox\@tempboxa{#1: #2}%
26926 \ifdim \wd\@tempboxa >\hsize
26927 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
26928 \else
26929 \global \minipagefalse
26930 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
26931 \fi
26932 \vskip\belowcaptionskip}
26933 \let\bidisaved@eqno=\eqno
26934 \let\bidisaved@leqno=\leqno
26935 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
26936 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
26937 \ifpackageloaded{amsmath}{-}{-}
26938 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
26939 }
26940 \input{footnote-xetex-bidi.def}
26941 \if@twocolumn
26942 \let\autofooterule\relax
26943 \let\leftfootnoterule\relax
26944 \let\rightfootnoterule\relax
26945 \textwidthfootnoterule
26946 \fi
26947 \if@bidicsundef{\@idxitem}{-}{-}%
26948 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
26949 }
26950 \ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{-}
26951 \ifclassloaded{article}{\ifclassloaded{svmult}}{-}{\input{article-xetex-bidi.def}}{-}

```



```

26952 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
26953 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
26954 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
26955 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
26956 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
26957 \@ifclassloaded{beamer}{\input{beamer-xetex-bidi.def}}{}
26958 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
26959 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
26960 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
26961 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
26962 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
26963 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
26964 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
26965 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
26966 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
26967 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
26968 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
26969 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
26970 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
26971 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
26972 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
26973 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
26974 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
26975 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
26976 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
26977 \@ifpackageloaded{amsmath}{}%
26978 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
26979 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
26980 }
26981 \@ifpackageloaded{mathtools}{%
26982 \RequirePackage{graphicx}%
26983 \input{mathtools-xetex-bidi.def}%
26984 }{}
26985 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
26986 \@ifpackageloaded{lscape}{\RequirePackage{graphicx}}{}
26987 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
26988 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
26989 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
26990 \@ifpackagewith{algorithm2e}{algonl}{%
26991 \renewcommand{\theAlgoLine}{\expandafter\csname the\algotcf@float\endcsname\@SepMark\arabic{A
26992 }}{}
26993 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algotcf@within}{part}}{}
26994 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algotcf@within}{chapter}}{}
26995 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algotcf@within}{section}}{}
26996 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
26997 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
26998 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
26999 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
27000 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
27001 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
27002 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
27003 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
27004 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}}{\input{crop-xetex-bidi.def}}{}
27005 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}

```



```

27006 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
27007 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
27008 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
27009 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
27010 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}}{\input{float-xetex-bidi.def}}{}
27011 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
27012 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
27013 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
27014 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
27015 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
27016 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
27017 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
27018 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
27019 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
27020 \@ifpackageloaded{lscap}{\input{lscap-xetex-bidi.def}}{}
27021 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
27022 \@ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
27023 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
27024 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
27025 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
27026 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
27027 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
27028 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
27029 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
27030 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
27031 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
27032 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
27033 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
27034 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
27035 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
27036 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
27037 \@ifpackageloaded{pdfscape}{\input{pdfscape-xetex-bidi.def}}{}
27038 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
27039 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
27040 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
27041 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
27042 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
27043 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
27044 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
27045 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
27046 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
27047 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
27048 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
27049 \@ifpackagewith{sidecap}{innercaption}{%
27050 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
27051 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {#1}\hspace{\sidecaptionsep}{#2}}
27052 \renewcommand*{\SC@justify@caption}{%
27053 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
27054 \renewcommand*{\SC@FLOAT}[2]{%
27055 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {#2}\hspace{\sidecaptionsep}{#1}}
27056 \renewcommand*{\SC@justify@caption}{%
27057 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
27058 }{}
27059 \@ifpackagewith{sidecap}{rightcaption}{%

```



```

27060 \if@RTL\renewcommand*{\SC@FLOAT}[2]{\#1\hspace{\sidecaptionsep}{\#2}}
27061 \def\SC@justify@caption{\RaggedLeft}\else%
27062 \renewcommand*{\SC@FLOAT}[2]{\#2\hspace{\sidecaptionsep}{\#1}}
27063 \def\SC@justify@caption{\RaggedRight}\fi%
27064 }{}
27065 \@ifpackagewith{sidecap}{leftcaption}{%
27066 \if@RTL \renewcommand*{\SC@FLOAT}[2]{\#2\hspace{\sidecaptionsep}{\#1}}
27067 \def\SC@justify@caption{\RaggedRight}\else%
27068 \renewcommand*{\SC@FLOAT}[2]{\#1\hspace{\sidecaptionsep}{\#2}}
27069 \def\SC@justify@caption{\RaggedLeft}\fi%
27070 }{}
27071 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
27072 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
27073 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
27074 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
27075 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
27076 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
27077 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
27078 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
27079 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
27080 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
27081 \@ifpackageloaded{nicematrix}{\input{nicematrix-xetex-bidi.def}}{}
27082 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
27083 \@ifpackageloaded{pgfsys}{\input{pgfsys.code-xetex-bidi.def}}{}
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27128 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
27129 \let\XeLaTeX\XeLaTeX
27130 \def\XeLaTeX{\@ensure@LTR{\XeLaTeX}}

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