

# jetbrainsmono-otf (v0.1)

## 1 Usages

With `\usepackage{fontspec}` (so with XeTeX or LuaLaTeX compilation), you can use JetBrainsMono fonts, and (if needed) *remove* ligature's features, in order to use (in fact) JetBrainsMonoNL fonts. Following OpenType fonts are supported :

JetBrainsMono-Bold.otf	JetBrainsMono-BoldItalic.otf
JetBrainsMono-ExtraBold.otf	JetBrainsMono-ExtraBoldItalic.otf
JetBrainsMono-ExtraLight.otf	JetBrainsMono-ExtraLightItalic.otf
JetBrainsMono-Italic.otf	JetBrainsMono-Light.otf
JetBrainsMono-LightItalic.otf	JetBrainsMono-Medium.otf
JetBrainsMono-MediumItalic.otf	JetBrainsMono-Regular.otf
JetBrainsMono-SemiBold.otf	JetBrainsMono-SemiBoldItalic.otf
JetBrainsMono-Thin.otf	JetBrainsMono-ThinItalic.otf

Two version of config/macro are available :

```
jetbrainsmono(-xxxx) or jetbrainscode(-xxxx)
\jetbrainsmono(xxxx) or \jetbrainscode(xxxx)
```

## 2 The default settings

The fontspec config for the *normal* version :

```
\defaultfontfeatures[jetbrainsmono] % or jetbrainscode
{Extension=.otf,
  UprightFont=JetBrainsMono-Regular,
  ItalicFont=JetBrainsMono-Italic,
  BoldFont=JetBrainsMono-Bold,
  BoldItalicFont=JetBrainsMono-BoldItalic,
  Contextuals=AlternateOff %for mono version
}
```

The fontspec config for the other versions are :

```
\defaultfontfeatures[jetbrainsmono-medium] % or jetbrainscode-medium
{Extension=.otf,
  UprightFont=JetBrainsMono-Medium,
  ItalicFont=JetBrainsMono-MediumItalic,
  BoldFont=JetBrainsMono-ExtraBold,
  BoldItalicFont=JetBrainsMono-ExtraBoldItalic,
  Contextuals=AlternateOff %for mono version
}
```

```
\defaultfontfeatures[jetbrainsmono-light] % or jetbrainscode-light
{Extension=.otf,
  UprightFont=JetBrainsMono-Light,
  ItalicFont=JetBrainsMono-LightItalic,
  BoldFont=JetBrainsMono-SemiBold,
  BoldItalicFont=JetBrainsMono-SemiBoldItalic,
  Contextuals=AlternateOff %for mono version
}
```

```
\defaultfontfeatures[jetbrainsmono-extralight] % or jetbrainscode-extralight
{Extension=.otf,
  UprightFont=JetBrainsMono-ExtraLight,
  ItalicFont=JetBrainsMono-ExtraLightItalic,
  BoldFont=JetBrainsMono-Medium,
  BoldItalicFont=JetBrainsMono-MediumItalic,
  Contextuals=AlternateOff %for mono version
}
```

```
\defaultfontfeatures[jetbrainsmono-thin] % or jetbrainscode-thin
{Extension=.otf,
  UprightFont=JetBrainsMono-Thin,
  ItalicFont=JetBrainsMono-ThinItalic,
  BoldFont=JetBrainsMono-Regular,
  BoldItalicFont=JetBrainsMono-Italic,
  Contextuals=AlternateOff %for mono version
}
```

## 2.1 With config files

The idea is to propose fontspec config files to load correctly JetBrainsMono features.

```
\usepackage{fontspec}
\setmonofont{jetbrainsmono}[options]           %version regular
\setmonofont{jetbrainsmono-medium}[options]    %version semilight
\setmonofont{jetbrainsmono-light}[options]     %version light
\setmonofont{jetbrainsmono-extralight}[options] %version extralight
\setmonofont{jetbrainsmono-thin}[options]      %version thin
```

## 2.2 With the package loading

With `\usepackage[scale=...]{jetbrainsmono-oft}`, fontspec is loaded, and fontfamily are defined :

```
\newfontfamily\jetbrainsmono{jetbrainsmono}
\newfontfamily\jetbrainsmonomedium{jetbrainsmono-medium}
\newfontfamily\jetbrainsmonolight{jetbrainsmono-light}
\newfontfamily\jetbrainsmonoextralight{jetbrainsmono-extralight}
\newfontfamily\jetbrainsmonothin{jetbrainsmono-thin}
```

# 3 Font Samples

## 3.1 Normal version

For £45, almost anything can be found floating in fields.

!`THE DAZED BROWN FOX QUICKLY GAVE 12345--67890 JUMPS!

--- ?`But aren't Kafka's Schloß and Æsop's Œuvres often naïve vis-à-vis the dæmonic phœnix's official rôle in fluffy soufflés?

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## 3.2 Medium version

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### 3.3 Light version (Light - LightItalic - Regular - Italic)

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### 3.4 ExtraLight version (ExtraLight - ExtraLightItalic - SemiLightItalic - SemiLightItalic)

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### 3.5 Thin version

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## 4 Simple code samples

Type	Normal	Italic	Bold	BoldItalic
ttdefault	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ &lt;=&gt;</i>	<b>o008 iILL1 g9qCGQ &lt;=&gt;</b>	<b><i>o008 iILL1 g9qCGQ &lt;=&gt;</i></b>
JBmono	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ &lt;=&gt;</i>	<b>o008 iILL1 g9qCGQ &lt;=&gt;</b>	<b><i>o008 iILL1 g9qCGQ &lt;=&gt;</i></b>
JBmonomedium	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ &lt;=&gt;</i>	<b>o008 iILL1 g9qCGQ &lt;=&gt;</b>	<b><i>o008 iILL1 g9qCGQ &lt;=&gt;</i></b>
JBmonolight	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ &lt;=&gt;</i>	<b>o008 iILL1 g9qCGQ &lt;=&gt;</b>	<b><i>o008 iILL1 g9qCGQ &lt;=&gt;</i></b>
JBmonoextralight	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ &lt;=&gt;</i>	<b>o008 iILL1 g9qCGQ &lt;=&gt;</b>	<b><i>o008 iILL1 g9qCGQ &lt;=&gt;</i></b>
JBmonothin	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ &lt;=&gt;</i>	<b>o008 iILL1 g9qCGQ &lt;=&gt;</b>	<b><i>o008 iILL1 g9qCGQ &lt;=&gt;</i></b>
JBcode	o008 iILL1 g9qCGQ ⇔	<i>o008 iILL1 g9qCGQ ⇔</i>	<b>o008 iILL1 g9qCGQ ⇔</b>	<b><i>o008 iILL1 g9qCGQ ⇔</i></b>
JBcodemedium	o008 iILL1 g9qCGQ ⇔	<i>o008 iILL1 g9qCGQ ⇔</i>	<b>o008 iILL1 g9qCGQ ⇔</b>	<b><i>o008 iILL1 g9qCGQ ⇔</i></b>
JBcodelight	o008 iILL1 g9qCGQ ⇔	<i>o008 iILL1 g9qCGQ ⇔</i>	<b>o008 iILL1 g9qCGQ ⇔</b>	<b><i>o008 iILL1 g9qCGQ ⇔</i></b>
JBcodeextralight	o008 iILL1 g9qCGQ ⇔	<i>o008 iILL1 g9qCGQ ⇔</i>	<b>o008 iILL1 g9qCGQ ⇔</b>	<b><i>o008 iILL1 g9qCGQ ⇔</i></b>
JBcodethin	o008 iILL1 g9qCGQ ⇔	<i>o008 iILL1 g9qCGQ ⇔</i>	<b>o008 iILL1 g9qCGQ ⇔</b>	<b><i>o008 iILL1 g9qCGQ ⇔</i></b>

## 5 Algorithm samples, without ligatures

### 5.1 Normal version

```
def Fibonacci(n) :  
    # Check if input is 0 then it will print incorrect input  
    if n < 0 :  
        print("Incorrect input")  
    elif n == 0 :  
        return 0  
    elif n == 1 or n == 2 :  
        return 1  
    else :  
        return Fibonacci(n-1) + Fibonacci(n-2)
```

### 5.2 Medium version

```
def Fibonacci(n) :  
    # Check if input is 0 then it will print incorrect input  
    if n < 0 :  
        print("Incorrect input")  
    elif n == 0 :  
        return 0  
    elif n == 1 or n == 2 :  
        return 1  
    else :  
        return Fibonacci(n-1) + Fibonacci(n-2)
```

### 5.3 Light version

```
def Fibonacci(n) :  
    # Check if input is 0 then it will print incorrect input  
    if n < 0 :  
        print("Incorrect input")  
    elif n == 0 :  
        return 0  
    elif n == 1 or n == 2 :  
        return 1
```

```
else :  
    return Fibonacci(n-1) + Fibonacci(n-2)
```

## 5.4 ExtraLight version

```
def Fibonacci(n) :  
    # Check if input is 0 then it will print incorrect input  
    if n < 0 :  
        print("Incorrect input")  
    elif n == 0 :  
        return 0  
    elif n == 1 or n == 2 :  
        return 1  
    else :  
        return Fibonacci(n-1) + Fibonacci(n-2)
```

## 5.5 Thin version

```
def Fibonacci(n) :  
    # Check if input is 0 then it will print incorrect input  
    if n < 0 :  
        print("Incorrect input")  
    elif n == 0 :  
        return 0  
    elif n == 1 or n == 2 :  
        return 1  
    else :  
        return Fibonacci(n-1) + Fibonacci(n-2)
```

## 6 Algorithm code, with ligatures

Regular version of the fonts, with ligatures enable, can be uses with code alias (`\jetbrainscode`).

```
\lstset{
  language=python,
  basicstyle=\footnotesize\jetbrainscode,
  commentsstyle=\itshape\color{gray},
  keywordstyle=\bfseries\color{magenta},
  tabsize=4,
  frame=single,
  columns=flexible,
  showstringspaces=false
}
```

```
const similar = "o008 iILL1 g9qCGQ"
const diacritics_etc = "â é ù î ø ç Ã ĒÆ œ"

window.toggleFavorite = (alias) => {
  try {
    let favorites = JSON.parse(localStorage.getItem('favorites')) || []
    if (favorites.indexOf(alias) > -1) {
      favorites = favorites.filter((v) => {
        return v !== alias
      })
    } else {
      favorites.push(alias)
    }
    localStorage.setItem('favorites', JSON.stringify(Array.from(new Set(favorites))))
  } catch (err) {
    // eslint-disable-next-line no-console
    console.error('could not save favorite', err)
  }
  renderSelectList()
  return false
}
```

```
def Fibonacci(n) :
  # Check if input is 0 then it will print incorrect input
  if n < 0 :
    print("Incorrect input")
  elif n == 0 :
    return 0
  elif 1 ≤ n ≤ 2 :
    return 1
  else :
    return Fibonacci(n-1) + Fibonacci(n-2)
```

## 7 History

v0.1 Initial version