

cascadiamono-otf (v 0.3)

1 Usages

With `\usepackage{fontspec}` (so with XeTeX or LuaLaTeX compilation), you can use `CascadiaCode` fonts, and *remove* ligature's features, in order to use (in fact) `CascadiaMono` fonts.

Following OpenType fonts are supported (it's based on `CascadiaCode` without the ligatures) :

<code>CascadiaCode-Bold.otf</code>	<code>CascadiaCode-BoldItalic.otf</code>
<code>CascadiaCode-ExtraLight.otf</code>	<code>CascadiaCode-ExtraLightItalic.otf</code>
<code>CascadiaCode-Italic.otf</code>	<code>CascadiaCode-Light.otf</code>
<code>CascadiaCode-LightItalic.otf</code>	<code>CascadiaCode-Regular.otf</code>
<code>CascadiaCode-SemiBold.otf</code>	<code>CascadiaCode-SemiBoldItalic.otf</code>
<code>CascadiaCode-SemiLight.otf</code>	<code>CascadiaCode-SemiLightItalic.otf</code>

2 The default settings

The `fontspec` config for the *normal* version :

```
\defaultfontfeatures[CascadiaMono]
{Extension=.otf,
 UprightFont=CascadiaCode-Regular,
 ItalicFont=CascadiaCode-Italic,
 BoldFont=CascadiaCode-Bold,
 BoldItalicFont=CascadiaCode-BoldItalic,
 Contextuals=AlternateOff}
```

The `fontspec` config for the other versions are :

```
\defaultfontfeatures[CascadiaMono-Light]
{Extension=.otf,
 UprightFont=CascadiaCode-Light,
 ItalicFont=CascadiaCode-LightItalic,
 BoldFont=CascadiaCode-Regular,
 BoldItalicFont=CascadiaCode-Italic,
 Contextuals=AlternateOff}
```

```
\defaultfontfeatures[CascadiaMono-SemiLight]
{Extension=.otf,
 UprightFont=CascadiaCode-SemiLight,
 ItalicFont=CascadiaCode-SemiLightItalic,
 BoldFont=CascadiaCode-SemiBold,
 BoldItalicFont=CascadiaCode-SemiBoldItalic,
 Contextuals=AlternateOff}
```

```
\defaultfontfeatures[CascadiaMono-ExtraLight]
{Extension=.otf,
 UprightFont=CascadiaCode-ExtraLight,
 ItalicFont=CascadiaCode-ExtraLightItalic,
 BoldFont=CascadiaCode-SemiLight,
 BoldItalicFont=CascadiaCode-SemiLightItalic,
 Contextuals=AlternateOff}
```

It's possible to use ligatures with `Code` alias, instead of `Mono`.

2.1 With config files

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

```
\usepackage{fontspec}
%w/o ligatures
\setmonofont{CascadiaMono}[options] %version regular
\setmonofont{CascadiaMono-SemiLight}[options] %version semilight
\setmonofont{CascadiaMono-Light}[options] %version light
\setmonofont{CascadiaMono-ExtraLight}[options] %version extralight
%w ligatures
\setmonofont{cascadiacode}[options] %version regular
\setmonofont{cascadiacode-semilight}[options] %version semilight
\setmonofont{cascadiacode-light}[options] %version light
\setmonofont{cascadiacode-extralight}[options] %version extralight
```

2.2 With the package loading

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

```
%w/o ligatures
\newfontfamily\cascadiamono{CascadiaMono}
\newfontfamily\cascadiamonosemilight{CascadiaMono-SemiLight}
\newfontfamily\cascadiamonolight{CascadiaMono-Light}
\newfontfamily\cascadiamonoextralight{CascadiaMono-ExtraLight}
%w ligatures
\newfontfamily\cascadiacode{cascadiacode}
\newfontfamily\cascadiacodesemilight{cascadiacode-semilight}
\newfontfamily\cascadiacodelight{cascadiacode-light}
\newfontfamily\cascadiacodeextralight{cascadiacode-extralight}
```

3 Font Samples

3.1 Normal version (Regular - Italic - Bold - BoldItalic)

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 SemiLight version (SemiLight - SemiLightItalic - SemiBold - SemiBoldItalic)

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

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3.4 ExtraLight version (ExtraLight - ExtraLightItalic - SemiLightItalic - SemiLight-Italic)

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4 Simple code samples

Type	Normal	Italic	Bold	BoldItalic
ttdefault	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ <=></i>	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ <=></i>
Cmonoregular	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ <=></i>	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ <=></i>
Cmonosemilight	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ <=></i>	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ <=></i>
Cmonolight	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ <=></i>	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ <=></i>
Cmonoextralight	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ <=></i>	o008 iILL1 g9qCGQ <=>	<i>o008 iILL1 g9qCGQ <=></i>
Ccoderegular	o008 iILL1 g9qCGQ ⇔	<i>o008 iILL1 g9qCGQ ⇔</i>	o008 iILL1 g9qCGQ ⇔	<i>o008 iILL1 g9qCGQ ⇔</i>
Ccodesemilight	o008 iILL1 g9qCGQ ⇔	<i>o008 iILL1 g9qCGQ ⇔</i>	o008 iILL1 g9qCGQ ⇔	<i>o008 iILL1 g9qCGQ ⇔</i>
Ccodelight	o008 iILL1 g9qCGQ ⇔	<i>o008 iILL1 g9qCGQ ⇔</i>	o008 iILL1 g9qCGQ ⇔	<i>o008 iILL1 g9qCGQ ⇔</i>
Ccodeextralight	o008 iILL1 g9qCGQ ⇔	<i>o008 iILL1 g9qCGQ ⇔</i>	o008 iILL1 g9qCGQ ⇔	<i>o008 iILL1 g9qCGQ ⇔</i>

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 SemiLight 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)
```

6 Algorithm code, with ligatures

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

```
\lstset{
  language=python,
  basicstyle=\footnotesize\cascadiacode,
  commentstyle=\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 ï 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

v0.3 Package loading with fontfamily + 'code' version

v0.2 New weight options

v0.1 Initial version