

FantasqueSansMono family fonts (*experimental*) User's Guide for LaTeX (v1.8.0)

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1 What is FantasqueSansMono ?

1.1 Presentation (actual version is v1.8.0)

A programming font, designed with functionality in mind, and with some wibbly-wobbly handwriting-like fuzziness that makes it unassumingly cool.

For further information, <https://github.com/belluzj/fantasque-sans> is the best source!

1.2 License

Fonts are licensed under the SIL Open Font License, Version 1.1.

They require LuaTeX or XeTeX as engine and the fontspec package¹.

¹Please read the documentation fontspec.pdf.

2 Usage

2.1 Loading mono/code font

Files `FantasqueSansCode.fontspec` and `FantasqueSansMono.fontspec` are provided to ensure that Regular, *Italic*, **Bold**, ***BoldItalic*** are properly loaded.

A basic call for `FantasqueSansMono` mono font could be:

Loading

```
\usepackage{fantasquesansmono-otf}
```

It loads `FantasqueSansMono` as mono font.

Sample python code

```
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)
```

2.2 Options

Options can be given within the package:

- the boolean `nott` for not loading `fantasquesansmono` as mono font;
- the boolean `code` for loading ligatures;
- `StylisticSet=...`
- `RawFeature=...`
- `Scale=...`

2.3 Manual loading

It's also possible to load mono font with `\setmonofont`, thanks to `fontspec` files for example.

Manual loading

```
%w/o package Loaded  
\usepackage{fontspec}  
\setmonofont{FantasqueSansMono}[options]  
\setmonofont{FantasqueSansCode}[options]
```

2.4 Fontfamily

Mono/Code fontfamily are provided:

\fantasquesansmono	o008 iILL1 g9qCGQ <=> -> != !=~ ~>
\fantasquesansmonocode	o008 iILL1 g9qCGQ ⇔ → ≠ ≡ ~>

code version is declared with ligatures.

Only StylisticSet=1 is available, with alternate k/k version.

3 Samples

3.1 Mono

Sample java code

```
// a sample of java code

const similar = "o008 iILL1 g9qCGQ <=> -> != !=~ ~>"
const diacritics_etc = "â é ù ï ø ç Ä Ê Æ 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
}
```

Sample python code

```
#a sample of python code
def Fibonacci(n: int) -> int :
    # 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)
```

3.2 Code

Sample java code with ligatures

```
// a sample of java code

const similar = "o008 iILL1 g9qCGQ ⇔ -> ≠ ≡ ~>"
const diacritics_etc = "â é ù ï ø ç Ã Ê Æ 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
}
```

Sample python code with ligatures

```
#a sample of python code  
def Fibonacci(n: int) -> int :  
    # 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)
```

4 List of glyphs

Table 1: FantasqueSansMono-Regular

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Basic Latin																
U+0020–002F		!	"	#	\$	%	&	'	(	)	*	+	,	-	.	/
U+0030–003F	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
U+0040–004F	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
U+0050–005F	P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_
U+0060–006F	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
U+0070–007F	p	q	r	s	t	u	v	w	x	y	z	{		}	~	-
Latin-1 Supplement																
U+00A0–00AF		ı	ç	£	¤	¥	¦	§	¨	©	ª	«	¬	­	®	¯
U+00B0–00BF	°	±	²	³	´	µ	¶	·	,	¹	º	»	¼	½	¾	¿
U+00C0–00CF	À	Á	Â	Ã	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	Í	Î	Ï
U+00D0–00DF	Ð	Ñ	Ò	Ó	Ô	Õ	Ö	×	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß
U+00E0–00EF	à	á	â	ã	ä	å	æ	ç	è	é	ê	ë	ì	í	î	ï
U+00F0–00FF	ð	ñ	ò	ó	ô	õ	ö	÷	ø	ù	ú	û	ü	ý	þ	ÿ
Latin Extended-A																
U+0100–010F	Ā	ā	Ă	ă	Ą	ą	Ć	ć	Ĉ	ĉ	Č	č	Ď	ď		
U+0110–011F	Đ	đ	Ě	ě	Ě	ě	É	é	Ė	ė	Ě	ě	Ĝ	ĝ	Ğ	ğ
U+0120–012F	Ġ	ġ	Ģ	ģ	Ĥ	ĥ	Ħ	ħ	Ĩ	ĩ	Ī	ī	Ĭ	ĭ	Į	į
U+0130–013F	İ	ı	Ĳ	ĳ	Ĵ	ĵ	Ķ	ķ	ĸ	Ł	ł	Ł	ł	Ł	ł	Ł
U+0140–014F	Ł	ł	Ł	ł	Ń	ń	Ņ	ņ	Ň	ň	-	Ŋ	ŋ	Ō	ō	Ŏ
U+0150–015F	Ų	ų	Ų	ų	Ŕ	ŕ	Ŗ	ŗ	Ř	ř	Ś	ś	Ŝ	ŝ	Ş	ş
U+0160–016F	Š	š	Ţ	ţ	Ť	ť	Ŧ	ŧ	Ũ	ũ	Ū	ū	Ŭ	ŭ	Ů	ů
U+0170–017F	Ű	ű	Ų	ų	Ŵ	ŵ	Ŷ	ŷ	Ÿ	Ž	ž	Ž	ž	Ž	ž	ƀ
Latin Extended-B																
U+0180–018F	Ɓ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
U+0190–019F	Ɛ	Ƒ	ƒ	-	-	-	-	-	-	-	-	-	-	-	-	-
U+01A0–01AF	-	-	-	-	Ɔ	-	-	-	-	-	-	-	-	-	-	-
U+01C0–01CF	-	-	-	-	-	-	-	-	-	-	-	-	-	Ă	ă	Ĭ
U+01D0–01DF	Ĳ	Ŏ	ŏ	Ű	ű	Ū	ū	Ú	ú	Ŭ	ŭ	Ů	ů	-	Ă	ă
U+01E0–01EF	Ă	ă	Æ	æ	-	-	Ğ	ğ	Ķ	ķ	Ų	ų	Ų	ų	-	-
U+01F0–01FF	Ĵ	-	-	-	Ğ	ğ	-	-	Ŋ	ŋ	Ă	ă	Æ	æ	Ŏ	ŏ
U+0200–020F	Ă	ă	Â	â	È	è	Ê	ê	Ï	ï	Î	î	Ò	ò	Ô	ô
U+0210–021F	Ř	ř	Ř	ř	Ů	ů	Ů	ů	Ş	ş	Ţ	ţ	-	-	Ĥ	ĥ
U+0220–022F	-	-	-	-	-	-	À	à	Ȣ	ȣ	Ȥ	ȥ	Ȧ	ȧ	Ȩ	ȩ

Table 1: FantasqueSansMono-Regular *cont.*

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
U+0230 – 023F	Ö	ö	ÿ	ÿ	-	-	-	J	-	-	-	-	-	-	-	-
Spacing Modifier Letters																
U+02D0 – 02DF	-	-	-	-	-	-	-	-	-	-	°	´	-	-	-	-
Combining Diacritical Marks																
U+0300 – 030F	˘	˘	ˆ	˜	-	-	˘	˙	˙	˙	˙	˙	˙	˙	˙	˙
U+0310 – 031F	-	-	˘	˘	˘	-	-	-	-	-	-	-	-	-	-	-
U+0320 – 032F	-	-	-	-	-	-	˘	˘	˘	-	-	-	-	-	-	-
Greek and Coptic																
U+0380 – 038F	-	-	-	-	˘	˘	˘	˘	˘	˘	-	˘	-	˘	˘	˘
U+0390 – 039F	ı	Α	Β	Γ	Δ	Ε	Ζ	Η	Θ	Ι	Κ	Λ	Μ	Ν	Ξ	Ο
U+03A0 – 03AF	Π	Ρ	-	Σ	Τ	Υ	Φ	Χ	Ψ	Ω	İ	ÿ	ά	έ	ή	ί
U+03B0 – 03BF	Ů	α	β	γ	δ	ε	ζ	η	θ	ι	κ	λ	μ	ν	ξ	ο
U+03C0 – 03CF	π	ρ	ς	σ	τ	υ	φ	χ	ψ	ω	ï	ü	ó	ú	ώ	ϰ
U+03D0 – 03DF	ϐ	ϑ	ϒ	ϓ	ϔ	ϕ	ϖ	ϗ	Ϙ	ϙ	Ϡ	ϡ	Ϣ	ϣ	-	-
Cyrillic																
U+0400 – 040F	-	Ё	Ђ	Ѓ	Є	Ѕ	І	Ї	Ј	Љ	Њ	Ћ	Ќ	Ў	Џ	Ѳ
U+0410 – 041F	А	Б	В	Г	Д	Е	Ж	З	И	Й	К	Л	М	Н	О	П
U+0420 – 042F	Р	С	Т	У	Ф	Х	Ц	Ч	Ш	Щ	Ъ	Ы	Ь	Э	Ю	Я
U+0430 – 043F	а	б	в	г	д	е	ж	з	и	й	к	л	м	н	о	п
U+0440 – 044F	р	с	т	у	ф	х	ц	ч	ш	щ	ъ	ы	ь	э	ю	я
U+0450 – 045F	ё	ѐ	ђ	ѓ	є	ѕ	і	ї	ј	љ	њ	ќ	ќ	ў	џ	Ѳ
U+0460 – 046F	Ѡ	ѡ	Ѣ	ѣ	-	-	-	-	-	-	-	-	-	-	-	-
U+0470 – 047F	-	-	Ѧ	ѧ	Ѩ	ѩ	-	-	-	-	-	-	-	-	-	-
U+0480 – 048F	-	-	-	-	-	-	-	-	-	Ѱ	ѱ	Ѳ	ѳ	Ѵ	ѵ	Ѷ
U+0490 – 049F	Ѹ	ѹ	Ѻ	ѻ	Ѽ	ѽ	Ѿ	ѿ	Ѻ	ѻ	Ѽ	ѽ	Ѿ	ѿ	Ѻ	ѻ
U+04A0 – 04AF	Ѱ	ѱ	Ѳ	ѳ	Ѵ	ѵ	Ѷ	ѷ	Ѹ	ѹ	Ѻ	ѻ	Ѽ	ѽ	Ѿ	ѿ
U+04B0 – 04BF	Ѱ	ѱ	Ѳ	ѳ	Ѵ	ѵ	Ѷ	ѷ	Ѹ	ѹ	Ѻ	ѻ	Ѽ	ѽ	Ѿ	ѿ
U+04C0 – 04CF	І	Ѓ	Ѕ	Ї	Ј	Љ	Њ	Ћ	Ќ	Ў	Џ	Ѳ	ѳ	Ѵ	ѵ	Ѷ
U+04D0 – 04DF	Ǻ	ǻ	Ǽ	Ǿ	ǽ	ǿ	ǿ	ǿ	ǿ	ǿ	ǿ	ǿ	ǿ	ǿ	ǿ	ǿ
U+04E0 – 04EF	З	з	Й	й	Й	й	Ö	ö	Ө	ө	Ө	ө	Э	э	Ÿ	ŷ
U+04F0 – 04FF	Ÿ	ŷ	Ÿ	ŷ	Č	č	Г	г	Б	б	-	-	Х	х	-	-
U+0510 – 051F	Є	є	Ј	ј	-	-	-	-	-	-	-	-	W	w	-	-
U+0520 – 052F	-	-	-	-	Ѓ	ѓ	Ѕ	-	-	-	-	-	-	-	-	-
General Punctuation																
U+2010 – 201F	-	-	-	-	-	-		=	‘	’	,	‘	“	”	„	“
U+2020 – 202F	†	‡	•	►	•	..	...	•	-	-	-	-	-	-	-	-

Table 1: FantasqueSansMono-Regular *cont.*

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
U+2030 – 203F	-	-	-	-	-	-	-	-	-	<	>	-	!!	?	-	-
U+2040 – 204F	-	-	-	-	-	-	-	??	?!	!?	-	-	-	-	-	-
Superscripts and Subscripts																
U+2070 – 207F	⁰	-	-	-	⁴	-	-	-	-	-	-	-	-	-	-	-
U+2080 – 208F	₀	₁	₂	₃	₄	-	-	-	-	-	-	-	-	-	-	-
Currency Symbols																
U+20A0 – 20AF	-	-	-	-	-	-	-	-	-	-	-	-	€	-	-	-
Letterlike Symbols																
U+2110 – 211F	-	-	-	-	-	-	№	-	-	-	-	-	-	-	-	-
Arrows																
U+2190 – 219F	←	↑	→	↓	↔	↕	-	-	-	-	-	-	-	-	-	-
U+21C0 – 21CF	-	-	-	-	↻	↺	↻	↻	↻	↻	↻	↻	↻	↻	↻	↻
Mathematical Operators																
U+2260 – 226F	≠	-	-	-	≤	≥	-	-	-	-	-	-	-	-	-	-
Miscellaneous Technical																
U+23B0 – 23BF	-	-	-	-	-	-	-	-			-	-	-	-	-	-
Control Pictures																
U+2420 – 242F	-	-	-	▣	-	-	-	-	-	-	-	-	-	-	-	-
Box Drawing																
U+2500 – 250F	─	─			─	─	┌	┌	┌	┌	┌	┌	┌	┌	┌	┌
U+2510 – 251F	┐	┐	┐	┐	┐	┐	┐	┐	┐	┐	┐	┐	┐	┐	┐	┐
U+2520 – 252F	└	└	└	└	└	└	└	└	└	└	└	└	└	└	└	└
U+2530 – 253F	┘	┘	┘	┘	┘	┘	┘	┘	┘	┘	┘	┘	┘	┘	┘	┘
U+2540 – 254F	┌	┌	┌	┌	┌	┌	┌	┌	┌	┌	┌	┌	┌	┌	┌	┌
U+2550 – 255F	─	─	─	─	─	─	─	─	─	─	─	─	─	─	─	─
U+2560 – 256F	─	─	─	─	─	─	─	─	─	─	─	─	─	─	─	─
U+2570 – 257F	┌	/	\	X	-		-		-		-		-		-	
Block Elements																
U+2580 – 258F	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
U+2590 – 259F	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Geometric Shapes																
U+25A0 – 25AF	■	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1: FantasqueSansMono-Regular *cont.*

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
U+25C0 – 25CF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●

Supplemental Mathematical Operators

U+2A70 – 2A7F	-	-	-	-	-	-	-	-	-	-	-	-	-	≤	≥	-
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Private Use Area

U+E000 – E00F	~	@	@	"	'	k	ķ	ķ	-	-	-	-	-	-	-	-
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U+E030 – E03F	-	-	-	-	-	::	<<	>>	&&		-	-	//	/*	*//**/	
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U+E0A0 – E0AF	⌚	⌚	⌚	-	-	-	-	-	-	-	-	-	-	-	-	-
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U+E0B0 – E0BF	▶	>	◀	<	-	-	-	-	-	-	-	-	-	-	-	-
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U+E100 – E10F	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚
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U+E110 – E11F	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚
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U+E120 – E12F	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚	⌚
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Halfwidth and Fullwidth Forms

U+FF60 – FF6F	-	-	「	」	-	-	-	-	-	-	-	-	-	-	-	-
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Total number of glyphs shown from FantasqueSansMono-Regular: 1042