

# The STEP fonts

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The STEP fonts are a free Times-like (i.e., Times replacement) font family, implementing a design first created for *The Times* of London in 1932. These fonts are meant to be compatible in design with Adobe’s digitization of Linotype Times, which is commonly used in desktop publishing.

## 1 Usage

To use the STEP fonts, load the  $\text{\LaTeX}$  package `step`, optionally with `stix` for math.

```
\usepackage{step}\usepackage[notext]{stix}
```

If you are using  $\text{\Lua\TeX}$  or  $\text{\Xe\TeX}$ , you may use the Unicode version of STEP with `fontspec`, along with XITS for math (using `unicode-math`).

```
\usepackage{fontspec,unicode-math}\setmainfont[ ]{STEP}  
\setmathfont[StylisticSet=0]{XITS Math}  
\setmathfont[range={\mathcal,\mathbfcal},StylisticSet=1]{XITS Math}
```

When using `fontspec`, all font options are handled according to that package’s functions. See its documentation for details.

### 1.1 Package options

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Package Option	Feature
<code>lining</code>	Use lining figures (default) 1234567890
<code>oldstyle</code>	Use old-style figures 1234567890

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## 1.2 Text Commands

Text Command	Feature
<code>\lining{}</code>	Use lining figures 1234567890
<code>\oldstyle{}</code>	Use old-style figures 1234567890
<code>\textsc{}</code>	Use small caps (regular font only) ABCDE\$&
<code>\textsu{}</code>	Use superior figures <sup>1234567890</sup>
<code>\textin{}</code>	Use inferior figures <sub>1234567890</sub>

## 1.3 Greek text fonts

For a Greek font which is better suited for text (and which includes bold, italic and bold italic as well as regular), I recommend using the fonts from `txfontsb` or `tempora`, which provide good support for monotonic and polytonic Greek, or the beta version of STEP Greek, which only includes a regular upright font at writing (with full polytonic support). You can access these by adding the following to your preamble (choosing one of `txrc`, `Tempora-TLF`, or `STEPGreekTest-TLF`):

```
\usepackage{substitutefont}
\substitutefont{LGR}{\rmdefault}{<fontname>}
```

If you are using the OpenType version of STEP, I recommend you use the Babel function for language-specific OpenType fonts (covered in detail in the `babel` documentation). For a test version of the new STEP Greek font, available on GitHub,<sup>1</sup> use:

```
\babelfont[greek]{rm}[ ]{STEPGreekTest}
```

## 1.4 Figures in footnotes

The superior figures included in STEP may not be ideal for use in footnotes. For example, <sup>25</sup> and <sup>15</sup> print awkwardly. So I recommend you not use superior figures, but instead normal lining figures for footnotes. If you have set your numbers to be old-style, then, by L<sup>A</sup>T<sub>E</sub>X's defaults, the old-style numbers will be used for footnotes as well. To use lining figures in footnote markers, as well as superscript and subscript text, add the following to your preamble:

```
\usepackage{footmisc}
\makeatletter
```

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<sup>1</sup><https://github.com/dbenjaminmiller/STEPGreekTest>

```

\renewcommand\@makefnmark{
\hbox{\@textsuperscript{\normalfont\lining{\@thefnmark}}}}
\DeclareRobustCommand*\textsuperscript[1]{
\@textsuperscript{\lining{#1}}}
\DeclareRobustCommand*\textsubscript[1]{
\@textsubscript{\lining{#1}}}
\makeatother

```

## 2 Contributing

Contributions to the fonts and their L<sup>A</sup>T<sub>E</sub>X support may be sent as pull requests to the project’s GitHub repository.<sup>2</sup>

## 3 Licensing

STEP is licensed under the Open Font License (OFL) version 1.1; see STEP–COPYING for details.

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<sup>2</sup><https://github.com/dbenjaminmiller/step>