

## The basics of the fontspec package

The fontspec package enables automatic font selection for L<sup>A</sup>T<sub>E</sub>X documents typeset with XeT<sub>E</sub>X or LuaT<sub>E</sub>X. The basic command is

```
\fontspec{font display name}[font features].
```

The default, sans serif, and typewriter fonts may be set with the commands `\setmainfont`, `\setsansfont` and `\setmonofont`, respectively, as shown in the preamble. They take the same syntax as the `\fontspec` package. All expected font shapes are available:

*Italics and SMALL CAPS...*

**Bold sans serif and *bold italic sans serif*...**

Text fonts in maths mode are also changed (e.g., notice the cosine function in ‘ $\cos(n\pi) = \pm 1$ ’) but only if the roman and sans serif fonts are set in the preamble; `\setmainfont` will not affect these maths mode fonts when called mid-document. Maths symbols themselves are not affected.

Notice the font features used to load the default fonts in the preamble. `Ligatures=TeX` is automatically enabled for the roman and sans font, allowing regular T<sub>E</sub>X ligatures like ‘```---`’ for ‘—’. `Scale=MatchLowercase` automatically scales the fonts to the same x-height.

Please see the complete fontspec documentation for further information.