

The HEP-FONT package*

Latin modern extended by computer modern

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Abstract

The HEP-FONT package loads standard font packages and extends the usual latin modern implementations by replacing missing fonts with computer modern counterparts.

The package is loaded using `\usepackage{hep-font}`.

size The `size=<size>` option loads the specified font size. The possible *<sizes>* are: 8pt, 9pt, 10pt, 11pt, 12pt, 14pt, 17pt, 20pt and `default` deactivates this switch. The default value is 11 pt.

sans The `sans` option switches to sans-serif font instead of serif font.

oldstyle The `oldstyle` option switches to oldstyle numerals such as 123 in text mode instead of lining numerals such as 123.

The FONTENC package [1] with T1 and TU font encoding is loaded for pdfTEX and LuaTEX, respectively.

Some restrictions of computer modern (CM) fonts are lifted with the FIXCM package [2].

The MICROTYPE [3] optimizations are activated.

The LATEX new font selection scheme is extended with the NFSSEXT-CFR package [4].

The latin modern font is loaded using the CFR-LM package [5] for pdfTEX.

The text companion fonts are loaded [6].

\textsc Bold **SMALL CAPS** and a sans serif **SMALL CAPS** based on the CM font [7] is provided, the latter using the SANSMATHFONTS [8] and HFOLDSTY [9] packages.

\textui A sans-serif upright italic font is provided using the SANSMATHFONTS package [8].

Finally the INPUTENC package [10] with the `utf8` option is loaded.

References

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*This document corresponds to HEP-FONT v1.4.

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- [7] D. E. Knuth. ‘Computer Modern fonts’ (1986). CTAN: `cm`.
- [8] A. Barton. ‘The `sansmathfonts` package: Correct placement of accents in sans-serif maths’ (2013). CTAN: `sansmathfonts`.
- [9] H. Harders. ‘The `hfoldsty` package: Old style numerals with EC fonts’ (2004). CTAN: `hfoldsty`.
- [10] *LaTeX Team*. ‘The `inputenc` package: Accept different input encodings’ (1989). CTAN: `inputenc`.