

The HEP-FONT package*

Latin modern extended by computer modern

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Abstract

The HEP-FONT package sets up text fonts for the HEP package suite. It selects the document font size, switches between serif and sans-serif documents, chooses lining or oldstyle numerals, loads the appropriate encodings and micro-typographic support, and extends the latin modern setup with computer modern small caps and sans-serif upright italic shapes where needed.

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 LATEX, 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

- [1] *LATEX Team*. ‘The **fontenc** package: Standard package for selecting font encodings’ (1995). CTAN: **fontenc**.
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*This document corresponds to HEP-FONT v1.5.

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- [4] C. F. Rees and P. Lehman. ‘The `nfssexst-cfr` package: Extensions to the $\text{\LaTeX}$ NFSS’ (2003). CTAN: `nfssexst-cfr`.
- [5] C. F. Rees. ‘The `cfr-lm` package: Enhanced support for the Latin Modern fonts’ (2008). CTAN: `cfr-lm`.
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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`.