

The MLModern fonts

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MLModern is a text and math font family with \LaTeX support, based on the design of Donald Knuth's Computer Modern and the Latin Modern project. Some find the default version of Computer Modern used by default in most \TeX distributions to be spindly, sometimes making it hard to read on screen as well as on paper. The original Computer Modern is a METAFONT, and so, before the advent of the Type 1 versions, it was rendered as a bitmap whenever it was to be printed. There are already a number of ways of getting a sturdier version of Computer Modern. One can simply generate bitmaps the old-fashioned way, using a mode which provides for blacker output, such as `lexmarkr`; this works well in print (so long as you are targeting the correct DPI), but produces mediocre results on screen. The author's own `mpfonts` package provides support for Type 3 PostScript fonts which are direct translations of the original METAFONT source into vector images, but these do not fare much better on paper and are usually even less readable on screen. Further, the original OT1-encoded Computer Modern fonts have lacking support for many non-English languages. The highest-quality adaptation of the Computer Modern design to non-OT1 encodings is Latin Modern, which provides more glyphs and good accent placement, but is still too spindly. MLModern is blacker drop-in replacement for Latin Modern. To use it, simply add `\usepackage{mlmodern}` to your preamble, or (for non- \LaTeX use) replace references to `lm*` fonts with those to `mlm*` ones. You must have the Latin Modern fonts installed, since this package expects their encoding files to be present. MLModern is available in unhinted Type 1 format, and should be good for both printing and on-screen reading.

Licensing information

The MLModern fonts are

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and based on the original “Computer Modern” family by Donald Knuth. A script by Chuanren Wu was used to blacken the fonts before manual adjustment. MLModern is made available under the L^AT_EX Project Public License, version 1.3c or later; the full terms are in LICENSE. This work has the LPPL maintenance status “maintained.” The current maintainer of this work is Daniel Benjamin Miller.

Sample

Frères humains, qui après nous vivez,
N’ayez les cueurs contre nous endurciz,
Car, si pitié de nous pouvres avez,
Dieu en aura plustost de vous merciz.
Vous nous voyez cy attachez cinq, six :
Quant de la chair, que trop avons nourrie,
Elle est pieça devorée et pourrie,
Et nous, les os, devenons cendre et pouldre.
De nostre mal personne ne s’en rie,
Mais priez Dieu que tous nous vueille absouldre !

FRANÇOIS VILLON, « Ballade des pendus »

$$E_0 = mc^2 \tag{1}$$

$$E = \frac{mc^2}{\sqrt{1 - \frac{v^2}{c^2}}} \tag{2}$$