

The MLModern fonts

Daniel Benjamin Miller

Version 2.0
October 13, 2026

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 vector 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; this is in contrast with the older bitmap versions of Computer Modern. MLModern provides a sturdy rendition of the Computer Modern design. MLModern is based on Latin Modern (a version of Computer Modern with enhanced multilingual support).

For $\LaTeX$ use, add `\usepackage{mlmodern}` to your preamble, or, for non- $\LaTeX$ use, replace references to `lm*` fonts with those to `mlm*` ones. You may also replace the Computer Modern and Latin Modern fonts (as well as the $\text{Vn}\TeX$ fonts, etc.) without modifying a $\TeX$ file (or changing metrics) by using the map file `mlm-substitute.map`. You must have the Latin Modern fonts installed (which is the case by default for all standard $\TeX$ distributions), since this package expects their encoding files to be present. MLModern is available in unhinted Type 1 and OpenType formats, and should be good for both printing and on-screen reading.

Basic OpenType support

For use in $\LaTeX$ with OpenType engines, you don't need to do anything special. Just use package `mlmodern`; it will automatically override the default Latin Modern fonts, even if you are using `fontspec` or `unicode-math`.

OpenType math support

To use the OpenType math fonts (not on by default), you need to add `\usepackage{unicode-math}` to your preamble, along with (optionally) the font-choice definition `\setmathfont{mlmodern-math.otf}`. Note that this may change math output from the defaults (just as is the case for the OpenType math version of Latin Modern).

Licensing information

The MLModern fonts are

Copyright © 2003–2009 by B. Jackowski and J. M. Nowacki.

Copyright © 2012–2014 by B. Jackowski, P. Strzelczyk and P. Pianaowski (for OpenType math fonts).

Copyright © 2021–2026 by Daniel Benjamin Miller.

and based on the original “Computer Modern” family by Donald Knuth. A script by Chuanren Wu was used in the creation of the original MLModern font set before later adjustments. 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.

Samples

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 »

Tiếng Việt là ngôn ngữ của người Việt và là ngôn ngữ chính thức tại Việt Nam. Đây là tiếng mẹ đẻ của khoảng 85% dân cư Việt Nam cùng với hơn 4 triệu Việt kiều. (WIKIPEDIA)¹

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

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

¹Full optical size support, as in Knuth's Computer Modern. And now here's some Polish: Język polski, polszczyzna – język z grupy zachodniosłowiańskiej (do której należą również czeski, kaszubski słowacki i języki łużyckie), stanowiącej część rodziny indoeuropejskiej. Funkcjonuje jako język urzędowy Polski oraz należy do oficjalnych języków Unii Europejskiej. (WIKIPEDIA)