

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 `11pt`.

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 (LM) 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.

A Implementation

`<*package>`

Define a `hepfont` namespace for the options using the KVOPTIONS package [11].

*This document corresponds to HEP-FONT v1.5.

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```

1 \RequirePackage{kvoptions}
2 \SetupKeyvalOptions{
3   family=hepfont,
4   prefix=hepfont@
5 }

```

size Define the **size** option switching taking the font size as an argument.

```

6 \DeclareStringOption[11pt]{size}

```

sans Define the **sans** option switching to sans serif font.

```

7 \DeclareBoolOption[false]{sans}
8 \DeclareComplementaryOption{serif}{sans}

```

lining Define the **lining** option deactivating the use of text figures in text mode.

```

9 \DeclareBoolOption[true]{lining}
10 \DeclareComplementaryOption{oldstyle}{lining}

```

Process options.

```

11 \ProcessKeyvalOptions*

```

Read font argument from class call.

```

12 \def\hepfont@get@class#1.cls#2\relax{\def\hepfont@class{#1}}
13 \def\hepfont@getclass{\expandafter\hepfont@get@class\@filelist\relax}
14 \hepfont@getclass
15 \@ifclasswith{\hepfont@class}{10pt}{\setkeys{hepfont}{size=10pt}}{}
16 \@ifclasswith{\hepfont@class}{11pt}{\setkeys{hepfont}{size=11pt}}{}
17 \@ifclasswith{\hepfont@class}{12pt}{\setkeys{hepfont}{size=12pt}}{}
18 \@ifpackage{heppub}{\setkeys{hepfont}{size=default}}{}

```

Switch text size to requested value using the PDFTEXCMDS package [12].

```

19 \RequirePackage{pdfdoccmds}
20 \ifnum\pdf@strcmp{\hepfont@size}{default}=0\else
21   \def\hepfont@remove@pt#1pt{#1}
22   \edef\hepfont@pt@size{\expandafter\hepfont@remove@pt\hepfont@size}
23   \let\small\relax
24   \let\footnotesize\relax
25   \let\scriptsize\relax
26   \let\tiny\relax
27   \let\large\relax
28   \let\Large\relax
29   \let\LARGE\relax
30   \let\huge\relax
31   \let\Huge\relax
32   \input{size\hepfont@pt@size.clo}
33 \fi

```

A.1 LuaLaTeX or XeLaTeX

Load the IFTEX package [13] and check if LuaLaTeX or XeLaTeX are running

```
34 \RequirePackage{iftex}
35 \iftutex
```

Load the FONTSETUP package [14] which loads in turn the FONTSPEC [15] and UNICODE-MATH [16] packages.

```
36 \RequirePackage{fontspec}
37 \ifhepfont@lining\else
38   \defaultfontfeatures{Numbers=OldStyle}
39 \fi
40 \PassOptionsToPackage{
41   math-style=ISO,
42   bold-style=ISO,
43   sans-style=italic
44 }{unicode-math}
45 \PassOptionsToPackage{
46   \ifhepfont@sans sansdefault\else olddefault\fi
47 }{fontsetup}
48 \RequirePackage{fontsetup}
```

Define numeral macros.

```
49 \DeclareRobustCommand{\pstyle}{%
50   \not@math@alphabet\pstyle\relax%
51   \addfontfeatures{Numbers=Proportional}%
52 }
53 \DeclareRobustCommand{\tstyle}{%
54   \not@math@alphabet\tstyle\relax%
55   \addfontfeatures{Numbers=Monospaced}%
56 }
57 \DeclareRobustCommand{\ostyle}{%
58   \not@math@alphabet\ostyle\relax%
59   \addfontfeatures{Numbers=OldStyle}%
60 }
61 \DeclareRobustCommand{\lstyle}{%
62   \not@math@alphabet\lstyle\relax%
63   \addfontfeatures{Numbers=Lining}%
64 }
65 \DeclareRobustCommand{\postyle}{\pstyle\ostyle}
66 \DeclareRobustCommand{\plstyle}{\pstyle\lstyle}
67 \DeclareRobustCommand{\tostyle}{\tstyle\ostyle}
68 \DeclareRobustCommand{\tlstyle}{\tstyle\lstyle}
69 \DeclareRobustCommand{\tmstyle}{\ttfamily}
70 \DeclareRobustCommand{\tvstyle}{\ttfamily}
71 \DeclareTextFontCommand{\textl}{\lstyle}
72 \DeclareTextFontCommand{\texto}{\ostyle}
73 \DeclareTextFontCommand{\textp}{\pstyle}
74 \DeclareTextFontCommand{\textt}{\tstyle}
```

```

75 \DeclareTextFontCommand{\textpl}{\plstyle}
76 \DeclareTextFontCommand{\textpo}{\postyle}
77 \DeclareTextFontCommand{\texttl}{\tlstyle}
78 \DeclareTextFontCommand{\textto}{\tostyle}
79 \protected\def\hep@lining@style{\lstyle}

```

A.2 pdfLaTeX

```
80 \else
```

Load the INPUTENC package [10].

```

81 \PassOptionsToPackage{utf8}{inputenc}
82 \RequirePackage{inputenc}

```

Pick the correct font encoding depending on the engine used and load the FONTENC package [1] with this encoding. For details of the font encoding see [17].

```

83 \def\hepfont@encoding{T1}
84 \PassOptionsToPackage{\hepfont@encoding}{fontenc}
85 \RequirePackage{fontenc}

```

Switch document to sans-serif font if requested.

```

86 \ifhepfont@sans
87   \renewcommand*{\familydefault}{\sfdefault}
88 \fi

```

Switch to the LM font using the CFR-LM package [5] Additionally, some warnings are silenced using the SILENCE [18] and ETOOLBOX [19] packages.

```

89 \RequirePackage{etoolbox}
90 \RequirePackage{silence}
91 \robustify\@latex@warning@no@line
92 \robustify\sl@StoreMessage
93 \WarningFilter{nfssect-cfr}{Patching font initialisation macro for serif.}
94 \WarningFilter{nfssect-cfr}{Patching font initialisation macro for sans.}
95 \WarningFilter{nfssect-cfr}{Patching font initialisation macro for typewriter.}
96 \WarningFilter{nfssect-cfr}{Overwriting kernel definition of \swshape (new)}
97 \ifhepfont@lining
98   \PassOptionsToPackage{rm={lining},sf={lining},tt={lining}}{cfr-lm}
99 \fi
100 \RequirePackage{cfr-lm}

```

The lining-style command provided by NFSSEXT-CFR is not reliable for CFR-LM fonts in some older T_EX distributions when it is invoked from nested text-mode constructions. We therefore preserve the original command for all other font families and handle CFR-LM explicitly. For these families, the oldstyle-figure modifier j is removed from the current family name before the font is selected again. This changes only the figure style while retaining the current serif, sans-serif, typewriter, quotation, or Dunhill variant.

```

101 \ExplSyntaxOn
102 \cs_set_eq:NN \hepfont_cfr_lstyle: \lstyle
103 \cs_set_protected:Npn \hep@lining@style{

```

```

104 \tl_set:Nx \l_tmpa_tl { \f@family }
105 \exp_args:NnV \regex_match:nnTF{ \A clm } \l_tmpa_tl{
106   \regex_replace_once:nnN{ \A ( clm [^j]* ) j }{ \1 } \l_tmpa_tl
107   \fontfamily { \tl_use:N \l_tmpa_tl }
108   \selectfont
109 }{\hepfont_cfr_lstyle:}
110 }
111 \ExplSyntaxOff

```

Fix the remaining CM [7] fonts using the `FIX-CM` package [2]

```
112 \RequirePackage{fix-cm}
```

Load the `TEXTCOMP` extension [6] and define helper functions.

```
113 \RequirePackage{textcomp}
```

A.2.1 Serif

For serif fonts

```

114 \rmfamily
115 \newcommand*{\hepfont@rm@shape}[3]{%
116   \DeclareFontShape{\hepfont@encoding}{\rmdefault}{#1}{#2}{#3}{}%
117 }

```

`\textsc` For lining numerals add CM roman small caps (italic and bold) from the `SLANTSC` package [20].

```

118 \ifhepfont@lining
119   \RequirePackage{slantsc}
120   \hepfont@rm@shape{b}{sc}{<->ssub*cmr/bx/sc}{}
121   \hepfont@rm@shape{bx}{sc}{<->ssub*cmr/bx/sc}{}
122   \hepfont@rm@shape{b}{scsl}{<->ssub*cmr/bx/scsl}{}
123   \hepfont@rm@shape{bx}{scsl}{<->ssub*cmr/bx/scsl}{}
124   \hepfont@rm@shape{b}{scit}{<->ssub*cmr/bx/scsl}{}
125   \hepfont@rm@shape{bx}{scit}{<->ssub*cmr/bx/scit}{}

```

`\textsc` For oldstyle numerals use the fonts from the `HFOLDSTY` package [9].

```

126 \else
127   \DeclareFontFamily{\hepfont@encoding}{hfor}{}
128   \DeclareFontShape{\hepfont@encoding}{hfor}{bx}{sc}{
129     <-6>hfoxc0500<6-7>hfoxc0600<7-8>hfoxc0700<8-9>hfoxc0800
130     <9-10>hfoxc0900<10-12>hfoxc1000<12-17>hfoxc1200<17->hfoxc1728
131   }{}
132   \DeclareFontShape{\hepfont@encoding}{hfor}{bx}{scsl}{
133     <-6>hfooc0500<6-7>hfooc0600<7-8>hfooc0700<8-9>hfooc0800
134     <9-10>hfooc0900<10-12>hfooc1000<12-17>hfooc1200<17->hfooc1728
135   }{}
136   \hepfont@rm@shape{b}{sc}{<->ssub*hfor/bx/sc}{}
137   \hepfont@rm@shape{bx}{sc}{<->ssub*hfor/bx/sc}{}
138   \hepfont@rm@shape{bx}{scsl}{<->ssub*hfor/bx/scsl}{}
139   \hepfont@rm@shape{b}{scit}{<->ssub*hfor/bx/scsl}{}

```

```

140 \hepfont@rm@shape{bx}{scit}{<->ssub*hfors/bx/scsl}{ }
141 \hepfont@rm@shape{b}{scsl}{<->ssub*hfors/bx/scsl}{ }
142 \fi

```

A.2.2 Sans serif

```

143 \sffamily
144 \newcommand*{\hepfont@sf@shape}[3]{%
145 \DeclareFontShape{\hepfont@encoding}{\sfdefault}{#1}{#2}{#3}{ }%
146 }

```

`\textsc` Provide the sans serif small caps font shape using the extended CM from the SANS MATH FONTS package [8].

```

147 \hepfont@sf@shape{m}{sc}{<->ssub*xcms/m/sc}{ }
148 \hepfont@sf@shape{b}{sc}{<->ssub*xcms/bx/sc}{ }
149 \hepfont@sf@shape{bx}{sc}{<->ssub*xcms/bx/sc}{ }
150 \hepfont@sf@shape{m}{scit}{<->ssub*xcms/m/scit}{ }
151 \hepfont@sf@shape{b}{scit}{<->ssub*xcms/bx/scit}{ }
152 \hepfont@sf@shape{bx}{scit}{<->ssub*xcms/bx/scit}{ }
153 \hepfont@sf@shape{m}{scsl}{<->ssub*xcms/m/scit}{ }
154 \hepfont@sf@shape{b}{scsl}{<->ssub*xcms/bx/scit}{ }
155 \hepfont@sf@shape{bx}{scsl}{<->ssub*xcms/bx/scit}{ }

```

`\textui` Provide a sans upright italic font.

```

156 \hepfont@sf@shape{m}{ui}{<->cmssu10}{ }

```

A.3 Engine independent macros

```

157 \fi

```

Load the MICROTYPE font optimizations [3].

```

158 \RequirePackage{microtype}

```

Ensure that the table of contents uses tabular figures using the XPATCH package [21].

```

159 \RequirePackage{xpatch}
160 \xpretocmd{\@dottedtocline}{\tstyle}{ }{ }
161 \xpatchcmd{\@dottedtocline}{\normalfont}{\normalfont\tstyle}{ }{ }
162 \xpretocmd{\l@section}{\tstyle}{ }{ }
163 \xpretocmd{\l@chapter}{\tstyle}{ }{ }
164 \xpretocmd{\l@part}{\tstyle}{ }{ }

```

Ensure that the `verbatim` environment uses proportional font and provide an inline `\code` macro. Work around a bug in NFSSEX-CTE which defines a global `\set` macro and breaks other macros of the same name.

```

165 \newcommand*{\codestyle}{\ttfamily\tmstyle\lstyle}
166 \let\verbatim@font\codestyle
167 \RequirePackage{xparse}
168 \ProvideDocumentCommand{\code}{v}{\codestyle #1}

```

Adjust the figures according to the `lining` option and ensure that tables always use lining.

```
169 \g@addto@macro\@floatboxreset{\tlstyle}  
170 % \g@addto@macro\@subfloatboxreset{\tlstyle}
```

Adjust the equation such that the number is always table style.

```
171 \pretocmd{\theequation}{\tstyle}{}{}
```

```
</package>
```

B Test

B.1 pdfLaTeX

```
<*pdflatex>
```

```
172 \documentclass[a4paper]{article}  
173  
174 \usepackage[oldstyle]{hep-font}  
175 \usepackage[cm]{fullpage}  
176 \usepackage{fancyvrb}\DefineShortVerb{\|}  
177 \newenvironment{vrb}{\begin{tabular}{@{}p{5.4cm}l@{}}}{\end{tabular}}  
178  
179 \begin{document}  
180  
181 \subsection*{Roman}  
182  
183 \begin{vrb}  
184 |\rmfamily| &  
185 {\rmfamily Latin Modern Roman 123} \\  
186 | \sbweight| &  
187 {\rmfamily\sbweight Latin Modern Roman Semi Bold 123} \\  
188 | \bfseries| &  
189 {\rmfamily\bfseries Latin Modern Roman Bold Extended 123} \\  
190 |\slshape| &  
191 {\rmfamily\slshape Latin Modern Roman Oblique 123} \\  
192 | \sbweight| &  
193 {\rmfamily\sbweight\slshape Latin Modern Roman Semi Bold Oblique 123} \\  
194 | \bfseries| &  
195 {\rmfamily\bfseries\slshape Latin Modern Roman Bold Oblique Extended 123} \\  
196 |\itshape| &  
197 {\rmfamily\itshape Latin Modern Roman Italic 123} \\  
198 | \bfseries| &  
199 {\rmfamily\bfseries\itshape Latin Modern Roman Bold Italic Extended 123} \\  
200 |\uishape| &  
201 {\rmfamily\uishape Latin Modern Roman Upright Italic 123} \\  
202 |\scshape| &  
203 {\rmfamily\scshape Latin Modern Roman Small Caps 123} \\  
204 | \bfseries| &  
205 {\rmfamily\bfseries\scshape Computer Modern Roman Bold Small Caps 123} \\  
206 | \sishape| &  
207 {\rmfamily\scshape\slshape Latin Modern Roman Oblique Small Caps 123} \\  

```

```

208 | \bfseries| &
209 {\rmfamily\slshape\bfseries\scshape Computer Modern Roman Bold Small Caps 123} \\
210 \end{vrb}
211
212 \subsubsection*{Dunhill}
213
214 \begin{vrb}
215 |\tistyle| &
216 {\tistyle Latin Modern Dunhill 123} \\
217 | \slshape| &
218 {\tistyle\slshape Latin Modern Dunhill Oblique 123} \\
219 \end{vrb}
220
221 \subsection*{Sans}
222
223 \begin{vrb}
224 |\sffamily| &
225 {\sffamily Latin Modern Sans 123} \\
226 | \fontseries{sbc}\selectfont| &
227 {\sffamily\fontseries{sbc}\selectfont Latin Modern Sans Demi Condensed 123} \\
228 | \bfseries| &
229 {\sffamily\bfseries Latin Modern Sans Bold 123} \\
230 |\slshape| &
231 {\sffamily\slshape Latin Modern Sans Oblique 123} \\
232 | \fontseries{sbc}\selectfont| &
233 {\sffamily\fontseries{sbc}\selectfont\slshape Latin Modern Sans Demi Condensed Oblique 123} \\
234 | \bfseries| &
235 {\sffamily\bfseries\slshape Latin Modern Sans Bold Oblique 123} \\
236 |\uishape| &
237 {\sffamily\uishape Computer Modern Sans Upright Italic 123} \\
238 |\scshape| &
239 {\sffamily\scshape Computer Modern Sans Small Caps 123} \\
240 | \bfseries| &
241 {\sffamily\bfseries\scshape Computer Modern Sans Bold Small Caps 123} \\
242 | \itshape| &
243 {\sffamily\itshape\scshape Computer Modern Sans Italic Small Caps 123} \\
244 | \bfseries| &
245 {\sffamily\itshape\bfseries\scshape Computer Modern Sans Italic Bold Small Caps 123} \\
246 \end{vrb}
247
248 \subsubsection*{Quotation}
249
250 \begin{vrb}
251 |\qtstyle| &
252 {\sffamily\qtstyle Latin Modern Sans Extended 123} \\
253 | \bfseries| &
254 {\sffamily\qtstyle\bfseries Latin Modern Sans Bold Extended 123} \\
255 |\slshape| &
256 {\sffamily\qtstyle\slshape Latin Modern Sans Extended Oblique 123} \\
257 | \bfseries| &

```

```

258 {\sffamily\qtstyle\bfseries\slshape Latin Modern Sans Bold Extended Oblique 123} \\
259 \end{vrb}
260
261 \subsection*{Typewriter}
262
263 \begin{vrb}
264 |\ttfamily\tvstyle | &
265 {\ttfamily\tvstyle Latin Modern Typewriter Proportional 123} \\
266 | \bfseries | &
267 {\ttfamily\tvstyle\bfseries Latin Modern Typewriter Proportional Dark 123} \\
268 | \lgweight | &
269 {\ttfamily\tvstyle\lgweight Latin Modern Typewriter Proportional Light 123} \\
270 |\slshape | &
271 {\ttfamily\tvstyle\slshape Latin Modern Typewriter Proportional Oblique 123} \\
272 | \bfseries | &
273 {\ttfamily\tvstyle\bfseries\slshape Latin Modern Typewriter Proportional Dark Oblique 123} \\
274 | \lgweight | &
275 {\ttfamily\tvstyle\lgweight\slshape Latin Modern Typewriter Proportional Light Oblique 123} \\
276 \end{vrb}
277
278 \subsubsection*{Fixed-width}
279
280 \begin{vrb}
281 |\ttfamily\tmstyle | &
282 {\ttfamily\tmstyle Latin Modern Typewriter 123} \\
283 | \lgweight | &
284 {\ttfamily\tmstyle\lgweight Latin Modern Typewriter Light 123} \\
285 | \bfseries | &
286 {\ttfamily\tmstyle\bfseries Latin Modern Typewriter Dark 123} \\
287 | \fontseries{lc} \selectfont | &
288 {\ttfamily\tmstyle\fontseries{lc} \selectfont Latin Modern Typewriter Light Condensed 123} \\
289 |\slshape | &
290 {\ttfamily\tmstyle\slshape Latin Modern Typewriter Oblique 123} \\
291 | \lgweight | &
292 {\ttfamily\tmstyle\lgweight\slshape Latin Modern Typewriter Light Oblique 123} \\
293 | \bfseries | &
294 {\ttfamily\tmstyle\bfseries\slshape Latin Modern Typewriter Dark Oblique 123} \\
295 | \fontseries{lc} | &
296 {\ttfamily\tmstyle\fontseries{lc} \slshape Latin Modern Typewriter Light Condensed Oblique} \\
297 |\itshape | &
298 {\ttfamily\tmstyle\itshape Latin Modern Typewriter Italic 123} \\
299 |\scshape | &
300 {\ttfamily\tmstyle\scshape Latin Modern Typewriter Small Caps 123} \\
301 | \slshape | &
302 {\ttfamily\tmstyle\scshape\slshape Latin Modern Typewriter Oblique Small Caps 123} \\
303 \end{vrb}
304
305 \end{document}

```

</pdflatex>

B.2 LuaLaTeX

<*lualatex>

```
306 \documentclass{article}
307
308 \usepackage[oldstyle]{hep-font}
309
310 \usepackage{fancyvrb}\DefineShortVerb{\|}
311 \newenvironment{vrb}{\begin{tabular}{@{}p{5.4cm}ll@{}}{\end{tabular}}
312
313 \begin{document}
314
315 \subsection*{Roman}
316
317 \begin{vrb}
318 |\rmfamily| &
319 {\rmfamily New Computer Modern 123} \\
320 | \bfseries| &
321 {\rmfamily\bfseries New Computer Modern 123} \\
322 |\slshape| &
323 {\rmfamily\slshape New Computer Modern 123} \\
324 | \bfseries| &
325 {\rmfamily\bfseries\slshape New Computer Modern 123} \\
326 |\itshape| &
327 {\rmfamily\itshape New Computer Modern 123} \\
328 | \bfseries| &
329 {\rmfamily\bfseries\itshape New Computer Modern 123} \\
330 |\scshape| &
331 {\rmfamily\scshape New Computer Modern 123} \\
332 | \bfseries| &
333 {\rmfamily\bfseries\scshape New Computer Modern 123} \\
334 | \sishape| &
335 {\rmfamily\scshape\slshape New Computer Modern 123} \\
336 | \bfseries| &
337 {\rmfamily\slshape\bfseries\scshape New Computer Modern 123} \\
338 \end{vrb}
339
340 \subsection*{Sans}
341
342 \begin{vrb}
343 |\sffamily| &
344 {\sffamily New Computer Modern 123} \\
345 | \bfseries| &
346 {\sffamily\bfseries New Computer Modern 123} \\
347 |\slshape| &
348 {\sffamily\slshape New Computer Modern 123} \\
349 | \bfseries| &
350 {\sffamily\bfseries\slshape New Computer Modern 123} \\
351 |\itshape| &
352 {\sffamily\itshape New Computer Modern 123} \\
```

```

353 | \bfseries| &
354 {\sffamily\bfseries\itshape New Computer Modern 123} \\
355 |\scshape| &
356 {\sffamily\scshape New Computer Modern 123} \\
357 \end{vrb}
358
359 \subsection*{Typewriter}
360
361 \begin{vrb}
362 |\ttfamily| &
363 {\ttfamily New Computer Modern 123} \\
364 | \bfseries| &
365 {\ttfamily\bfseries New Computer Modern 123} \\
366 |\slshape| &
367 {\ttfamily\slshape New Computer Modern 123} \\
368 | \bfseries| &
369 {\ttfamily\bfseries\slshape New Computer Modern 123} \\
370 |\itshape| &
371 {\ttfamily\itshape New Computer Modern 123} \\
372 | \bfseries| &
373 {\ttfamily\bfseries\itshape New Computer Modern 123} \\
374 |\scshape| &
375 {\ttfamily\scshape New Computer Modern 123} \\
376 \end{vrb}
377
378 \subsection*{Uncial}
379
380 \begin{vrb}
381 |\uncial| &
382 {\uncial New Computer Modern 123} \\
383 | \bfseries| &
384 {\uncial\bfseries New Computer Modern 123} \\
385 |\slshape| &
386 {\uncial\slshape New Computer Modern 123} \\
387 | \bfseries| &
388 {\uncial\bfseries\slshape New Computer Modern 123} \\
389 \end{vrb}
390
391 \end{document}

```

</lualatex>

C Readme

<*readme>

```

392 # The ‘hep-font’ package
393
394 Latin modern extended by computer modern.
395

```

```

396 ## Introduction
397
398 The ‘hep-font’ package sets up text fonts for the HEP package suite. It
399 selects the document font size, switches between serif and sans-serif
400 documents, chooses lining or oldstyle numerals, loads the appropriate
401 encodings and micro-typographic support, and extends the Latin Modern
402 setup with Computer Modern small caps and sans-serif upright italic shapes
403 where needed.
404
405 The package is loaded with ‘\usepackage{hep-font}’.
406
407 ## Author
408
409 Jan Hajer
410
411 ## License
412
413 This file may be distributed and/or modified under the conditions of the
414 ‘LaTeX’ Project Public License, either version 1.3c of this license or
415 (at your option) any later version. The latest version of this license is
416 in ‘http://www.latex-project.org/lppl.txt’ and version 1.3c or later is
417 part of all distributions of LaTeX version 2005/12/01 or later.

```

</readme>

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Change History

v1.0	formatting.	1
General: Created the dedicated font package with size, family, numeral, encoding, microtype, Latin Modern and Computer Modern, small-caps, and upright italic handling.	1	
v1.1		
General: Added size and sans-serif options, class font-size detection, dynamic size loading, code and verbatim styling, safer option passing, and namespaced font-shape helpers.	1	
v1.2		
General: Disabled size overrides under jheppub, added tabular figures to table-of-contents and float contexts, introduced <code>\codestyle</code> , and refreshed documentation and README		
	v1.3	
	General: Made equation numbers use table-style figures.	1
	v1.4	
	General: Split pdfLaTeX and TU-engine font setup, using iftex, fontspec, unicode-math, and fontsetup for LuaLaTeX and XeLaTeX, and applied starred command definitions.	1
	v1.5	
	General: Raised the LaTeX format requirement, bumped release metadata, refreshed the documentation and README, replaced engine markup that broke documentation builds, and updated the checksum.	1