

The L^AT_EX metalogox package

v1.04 — 2024/01/26

© 2019, 2023–2024 Brian Dunn
<https://github.com/bdtc/metalogox>

Automatically adjusts the T_EX logo and related, depending on the font.

Font	Default	metalogox
Latin Modern	L ^A T _E X 2 _ε	L ^A T _E X 2 _ε
Erewhon	ℒ _E X 2 _ε	L ^A T _E X 2 _ε
Libre Caslon	L ^A T _E X 2 _ε	L ^A T _E X 2 _ε
IM Fell English	ℒ ^A T _E X 2 _ε	L ^A T _E X 2 _ε
Coelacanth	L ^A T _E X 2 _ε	L ^A T _E X 2 _ε
Alegreya	ℒ _E X 2 _ε	L ^A T _E X 2 _ε
Helvetica	L ^A T _E X 2 _ε	L ^A T _E X 2 _ε
Antiqua	ℒ _E X 2 _ε	L ^A T _E X 2 _ε

Abstract

The metalogox package extends the metalogo package to automatically adjust the appearance of the logos T_EX, L^AT_EX, L^AT_EX 2_ε, X_ƎL^AT_EX, and LuaL^AT_EX, depending on the font detected or the option given to metalogox.
Most of the serif and sans fonts listed at [The L^AT_EX Font Catalogue](#) are supported.

Contents

1	Introduction	3
2	Using the metalogo package	3
3	Code	5
3.1	Required packages	5
3.2	Package options	5
3.2.1	Common synonyms	15
3.2.2	Similar fonts	16
3.3	Manual adjust selection	17
3.4	Font detection	17
3.5	Option declaration	24
3.6	Default settings	24
3.7	Option trigger	25
3.8	Support for the hologo and hvlogos packages	25
A	Change History	27
B	Index	27

1 Introduction

The rendering of the logos \TeX , \LaTeX , $\text{\LaTeX 2}_{\epsilon}$, \XeLaTeX , \XeTeX , and \LuaTeX depends on the font, and in some cases the appearance of these logos may be improved with some minor adjustments of the positions of each of the elements. The `metalogo` package, by ANDREW GILBERT MOSCHOU, allows the user to specify these adjustments, but it is left to the user to determine the values to use. The correct value may depend on the font size, but in most cases predefined settings may be used.

The `metalogox` package assigns these settings for `metalogo`. The default is for `LATIN MODERN` and similar. If the font in use is supported by `metalogox`, settings for that font are automatically assigned, overriding the `LATIN MODERN` default. If the user specifies a package option, its settings override the default and also anything set by font detection.

The \LaTeX packages `hologo` and `hologo`s are also supported when used with `metalogox`.

2 Using the metalogox package

`metalogox` (*Pkg*) In most cases, it is sufficient to simply load the `metalogox` package after the fonts have been selected:

```
\usepackage{<font packages>}
\setmainfont{Font Name}           (if using fontspec)
... etc ...
% \renewcommand{\familydefault}{\sfdefault} (optional)
...
\usepackage{metalogox}
```

Many fonts are supported by `metalogox`, and if one of these is in use then the appropriate settings are assigned automatically, according to the default text body font: $\text{\LaTeX 2}_{\epsilon}$

options If several font packages are used, or a font is not recognized, it may be necessary to specify a `metalogox` package option, which overrides the font detection:

```
\usepackage[baskerville]{metalogox}
```

`\adjustlogos` {*<package option>*}

`\adjustlogos` may be used to adjust the logos for an unknown font. The mandatory argument is the same as the package options. This is a local change, and may be adjusted as needed.

```
\Fontskrivan                      (from the aurical package)
\adjustlogos{default} \LaTeXe       $\text{\LaTeX 2}_{\epsilon}$ 
\adjustlogos{baskerville} \LaTeXe   $\text{\LaTeX 2}_{\epsilon}$ 
```

`\autoadjustlogos` `\autoadjustlogos` may be used to make local changes according to the current font:

<code>\textsf{Using \autoadjustlogos\LaTeXe}</code>	Using $\text{\LaTeX 2}_{\epsilon}$
<code>\textsf{Using \textrm{\autoadjustlogos\LaTeXe}}</code>	Using $\text{\LaTeX 2}_{\epsilon}$

`\autoadjustlogos*` The starred form, `\autoadjustlogos*`, is used by `metalogox` at the beginning of the document to set according to the default text body font.

Notes:

- `metalogox` option names may be found in the following pages, or in the index.
- `metalogox` options are always lowercase, even if a related package name may have uppercase letters.
- Many options, such as `times`, are used to cover an entire category of related fonts.
- Other options, such as `baskerville`, may be used for unrelated fonts which just happen to work well with the same logo settings.
- For some fonts, \XeLaTeX renders the reversed E in the \XeLaTeX logo differently than \pdfLaTeX and \LuaLaTeX .
- There are sometimes differences between the `TYPE1` and the `OTF/TTF` fonts.
- PDF display software may not render logos well on the screen at small display sizes. Zoom in to judge the quality of the logos.
- The `metalogox` parameters were set according to the design preferences of the author of the `metalogo` package. Some may disagree with the design choices which were made, but the results are probably better than the defaults, and the user may take control using the `metalogo` package directly.
- Since the same settings are usually shared by many fonts, some logos may not be perfect.
- If a font is not known by `metalogox` then a warning is issued, and a few common options are recommended.

Unknown font?

- Please contact the author of `metalogox` if an unknown font is found, especially if it is a common font, as sometimes the font family names are changed. See the contact link on the title page of this document.

3 Code

3.1 Required packages

```
1 \RequirePackage{metalogo}
2
3 \RequirePackage{xparse}
4
5 \RequirePackage{etoolbox}
```

3.2 Package options

Each of the following is a macro which is activated by passing the option of the same name to `metalogox`, or by calling `\adjustlogos`.

For example, either of the following sets the default `metalogo` logo adjustments:

```
\usepackage[default]{metalogox}
— or —
\adjustlogos{default}
```

`default` (*Opt*) The L^AT_EX and `metalogo` default settings.

```
6 \newcommand*{\MLX@default}{%
7   \setlogokern{Te}{-0.1667em}%
8   \setlogokern{eX}{-0.125em}%
9   \setlogokern{La}{-.36em}%
10  \setlogokern{aT}{-.15em}%
11  \setlogokern{Xe}{-.125em}%
12  \setlogokern{eT}{-.1667em}%
13  \setlogokern{eL}{-.125em}%
14  \setlogodrop{0.5ex}%
15 }
```

`accanthis` (*Opt*)

```
16 \newcommand*{\MLX@accanthis}{%
17   \setlogokern{Te}{-0.07em}%
18   \setlogokern{eX}{-0.05em}%
19   \setlogokern{La}{-.26em}%
20   \setlogokern{aT}{-.07em}%
21   \setlogokern{Xe}{-.06em}%
22   \setlogokern{eT}{-.05em}%
23   \setlogokern{eL}{-.06em}%
24   \setlogodrop{0.25ex}%
25 }
```

`alegreya` (*Opt*)

```
26 \newcommand*{\MLX@alegreya}{%
27   \setlogokern{Te}{-0.14em}%
28   \setlogokern{eX}{-0.12em}%
29 }
```

```

29 \setlogokern{La}{-.23em}%
30 \setlogokern{aT}{-.07em}%
31 \setlogokern{Xe}{-.06em}%
32 \setlogokern{eT}{-.10em}%
33 \setlogokern{eL}{-.12em}%
34 \setlogodrop{0.36ex}%
35 }

```

algolrevived (*Opt*)

```

36 \newcommand*{\MLX@algolrevived}{%
37 \setlogokern{Te}{-0.17em}%
38 \setlogokern{eX}{-0.17em}%
39 \setlogokern{La}{-.40em}%
40 \setlogokern{aT}{-.06em}%
41 \setlogokern{Xe}{-.18em}%
42 \setlogokern{eT}{-.18em}%
43 \setlogokern{eL}{-.12em}%
44 \setlogodrop{0.28ex}%
45 }

```

antpolt (*Opt*)

```

46 \newcommand*{\MLX@antpolt}{%
47 \setlogokern{Te}{-0.09em}%
48 \setlogokern{eX}{-0.08em}%
49 \setlogokern{La}{-.33em}%
50 \setlogokern{aT}{-.07em}%
51 \setlogokern{Xe}{-.07em}%
52 \setlogokern{eT}{-.10em}%
53 \setlogokern{eL}{-.06em}%
54 \setlogodrop{0.36ex}%
55 }

```

avantgarde (*Opt*)

```

56 \newcommand*{\MLX@avantgarde}{%
57 \setlogokern{Te}{-0.10em}%
58 \setlogokern{eX}{-0.04em}%
59 \setlogokern{La}{-.26em}%
60 \setlogokern{aT}{-.10em}%
61 \setlogokern{Xe}{-.04em}%
62 \setlogokern{eT}{-.10em}%
63 \setlogokern{eL}{-.02em}%
64 \setlogodrop{0.40ex}%
65 }

```

baskerville (*Opt*)

```

66 \newcommand*{\MLX@baskerville}{%
67 \setlogokern{Te}{-0.07em}%
68 \setlogokern{eX}{-0.05em}%
69 \setlogokern{La}{-.26em}%

```

```

70 \setlogokern{aT}{-.07em}%
71 \setlogokern{Xe}{-.06em}%
72 \setlogokern{eT}{-.07em}%
73 \setlogokern{eL}{-.06em}%
74 \setlogodrop{0.36ex}%
75 }

```

berenis (*Opt*)

```

76 \newcommand*\MLX@berenis{%
77 \setlogokern{Te}{-0.07em}%
78 \setlogokern{eX}{-0.05em}%
79 \setlogokern{La}{-.23em}%
80 \setlogokern{aT}{-.07em}%
81 \setlogokern{Xe}{-.06em}%
82 \setlogokern{eT}{-.10em}%
83 \setlogokern{eL}{-.02em}%
84 \setlogodrop{0.58ex}%
85 }

```

bodoni (*Opt*) Also see librebodoni.

```

86 \newcommand*\MLX@bodoni{%
87 \setlogokern{Te}{-0.11em}%
88 \setlogokern{eX}{-0.05em}%
89 \setlogokern{La}{-.26em}%
90 \setlogokern{aT}{-.07em}%
91 \setlogokern{Xe}{-.06em}%
92 \setlogokern{eT}{-.10em}%
93 \setlogokern{eL}{-.10em}%
94 \setlogodrop{0.37ex}%
95 }

```

boisik (*Opt*)

```

96 \newcommand*\MLX@boisik{%
97 \setlogokern{Te}{-0.09em}%
98 \setlogokern{eX}{-0.07em}%
99 \setlogokern{La}{-.35em}%
100 \setlogokern{aT}{-.07em}%
101 \setlogokern{Xe}{-.07em}%
102 \setlogokern{eT}{-.10em}%
103 \setlogokern{eL}{-.06em}%
104 \setlogodrop{0.55ex}%
105 }

```

bookman (*Opt*)

```

106 \newcommand*\MLX@bookman{%
107 \setlogokern{Te}{-0.03em}%
108 \setlogokern{eX}{-0.035em}%
109 \setlogokern{La}{-.25em}%
110 \setlogokern{aT}{-.00em}%

```

```

111 \setlogokern{Xe}{-.030em}%
112 \setlogokern{eT}{-.02em}%
113 \setlogokern{eL}{-.06em}%
114 \setlogodrop{0.36ex}%
115 }

```

charter (*Opt*)

```

116 \newcommand*{\MLX@charter}{%
117 \setlogokern{Te}{-0.10em}%
118 \setlogokern{eX}{-0.07em}%
119 \setlogokern{La}{-.24em}%
120 \setlogokern{aT}{-.06em}%
121 \setlogokern{Xe}{-.07em}%
122 \setlogokern{eT}{-.10em}%
123 \setlogokern{eL}{-.06em}%
124 \setlogodrop{0.28ex}%
125 }

```

crimson (*Opt*)

```

126 \newcommand*{\MLX@crimson}{%
127 \setlogokern{Te}{-0.05em}%
128 \setlogokern{eX}{-0.05em}%
129 \setlogokern{La}{-.23em}%
130 \setlogokern{aT}{-.07em}%
131 \setlogokern{Xe}{-.06em}%
132 \setlogokern{eT}{-.05em}%
133 \setlogokern{eL}{-.06em}%
134 \setlogodrop{0.36ex}%
135 }

```

coelacanth (*Opt*)

```

136 \newcommand*{\MLX@coelacanth}{%
137 \setlogokern{Te}{-0.09em}%
138 \setlogokern{eX}{-0.05em}%
139 \setlogokern{La}{-.26em}%
140 \setlogokern{aT}{-.07em}%
141 \setlogokern{Xe}{-.06em}%
142 \setlogokern{eT}{-.10em}%
143 \setlogokern{eL}{-.06em}%
144 \setlogodrop{0.32ex}%
145 }

```

didot (*Opt*)

```

146 \newcommand*{\MLX@didot}{%
147 \setlogokern{Te}{-0.11em}%
148 \setlogokern{eX}{-0.09em}%
149 \setlogokern{La}{-.34em}%
150 \setlogokern{aT}{-.11em}%
151 \setlogokern{Xe}{-.06em}%

```



```

152 \setlogokern{eT}{-.12em}%
153 \setlogokern{eL}{-.09em}%
154 \setlogodrop{0.44ex}%
155 }

```

droidserif (*Opt*)

```

156 \newcommand*{\MLX@droidserif}{%
157 \setlogokern{Te}{-0.11em}%
158 \setlogokern{eX}{-0.10em}%
159 \setlogokern{La}{-.30em}%
160 \setlogokern{aT}{-.08em}%
161 \setlogokern{Xe}{-.07em}%
162 \setlogokern{eT}{-.10em}%
163 \setlogokern{eL}{-.08em}%
164 \setlogodrop{0.30ex}%
165 }

```

droidsans (*Opt*)

```

166 \newcommand*{\MLX@droidsans}{%
167 \setlogokern{Te}{-0.11em}%
168 \setlogokern{eX}{-0.10em}%
169 \setlogokern{La}{-.24em}%
170 \setlogokern{aT}{-.08em}%
171 \setlogokern{Xe}{-.07em}%
172 \setlogokern{eT}{-.10em}%
173 \setlogokern{eL}{-.08em}%
174 \setlogodrop{0.30ex}%
175 }

```

gentium (*Opt*)

```

176 \newcommand*{\MLX@gentium}{%
177 \setlogokern{Te}{-0.07em}%
178 \setlogokern{eX}{-0.07em}%
179 \setlogokern{La}{-.26em}%
180 \setlogokern{aT}{-.07em}%
181 \setlogokern{Xe}{-.06em}%
182 \setlogokern{eT}{-.06em}%
183 \setlogokern{eL}{-.06em}%
184 \setlogodrop{0.24ex}%
185 }

```

helvetica (*Opt*)

```

186 \newcommand*{\MLX@helvetica}{%
187 \setlogokern{Te}{-0.15em}%
188 \setlogokern{eX}{-0.08em}%
189 \setlogokern{La}{-.26em}%
190 \setlogokern{aT}{-.08em}%
191 \setlogokern{Xe}{-.07em}%
192 \setlogokern{eT}{-.15em}%

```

```
193 \setlogokern{eL}{-.04em}%
194 \setlogodrop{0.40ex}%
195 }
```

kerkis (*Opt*)

```
196 \newcommand*\MLX@kerkis{%
197 \setlogokern{Te}{-.02em}%
198 \setlogokern{eX}{-.02em}%
199 \setlogokern{La}{-.25em}%
200 \setlogokern{aT}{-.00em}%
201 \setlogokern{Xe}{-.00em}%
202 \setlogokern{eT}{-.10em}%
203 \setlogokern{eL}{-.05em}%
204 \setlogodrop{0.38ex}%
205 }
```

kpfonts (*Opt*)

```
206 \newcommand*\MLX@kpfonts{%
207 \setlogokern{Te}{-.11em}%
208 \setlogokern{eX}{-.08em}%
209 \setlogokern{La}{-.30em}%
210 \setlogokern{aT}{-.11em}%
211 \setlogokern{Xe}{-.10em}%
212 \setlogokern{eT}{-.10em}%
213 \setlogokern{eL}{-.06em}%
214 \setlogodrop{0.33ex}%
215 }
```

libertine (*Opt*) Also see **libertinus**, below.

```
216 \newcommand*\MLX@libertine{%
217 \setlogokern{Te}{-.05em}%
218 \setlogokern{eX}{-.06em}%
219 \setlogokern{La}{-.25em}%
220 \setlogokern{aT}{-.05em}%
221 \setlogokern{Xe}{-.05em}%
222 \setlogokern{eT}{-.05em}%
223 \setlogokern{eL}{-.02em}%
224 \setlogodrop{0.32ex}%
225 }
```

libertinus (*Opt*) There is a difference in the raised ‘A’ vs. **libertine**.

```
226 \newcommand*\MLX@libertinus{%
227 \setlogokern{Te}{-.05em}%
228 \setlogokern{eX}{-.06em}%
229 \setlogokern{La}{-.28em}%
230 \setlogokern{aT}{-.05em}%
231 \setlogokern{Xe}{-.05em}%
232 \setlogokern{eT}{-.05em}%
233 \setlogokern{eL}{-.02em}%

```

```
234 \setlogodrop{0.32ex}%
235 }
```

librebodoni (*Opt*) Specific to LibreBodoni only.

```
236 \newcommand*\MLX@librebodoni{%
237 \setlogokern{Te}{-0.07em}%
238 \setlogokern{eX}{-0.05em}%
239 \setlogokern{La}{-.26em}%
240 \setlogokern{aT}{-.07em}%
241 \setlogokern{Xe}{-.06em}%
242 \setlogokern{eT}{-.10em}%
243 \setlogokern{eL}{-.02em}%
244 \setlogodrop{0.49ex}%
245 }
```

lmodern (*Opt*)

```
246 \newcommand*\MLX@lmodern{%
247 \setlogokern{Te}{-0.10em}%
248 \setlogokern{eX}{-0.06em}%
249 \setlogokern{La}{-.33em}%
250 \setlogokern{aT}{-.15em}%
251 \setlogokern{Xe}{-.07em}%
252 \setlogokern{eT}{-.10em}%
253 \setlogokern{eL}{-.08em}%
254 \setlogodrop{0.52ex}%
255 }
```

lmodernsans (*Opt*)

```
256 \newcommand*\MLX@lmodernsans{%
257 \setlogokern{Te}{-0.20em}%
258 \setlogokern{eX}{-0.06em}%
259 \setlogokern{La}{-.29em}%
260 \setlogokern{aT}{-.12em}%
261 \setlogokern{Xe}{-.07em}%
262 \setlogokern{eT}{-.20em}%
263 \setlogokern{eL}{-.08em}%
264 \setlogodrop{0.45ex}%
265 }
```

merriweather (*Opt*)

```
266 \newcommand*\MLX@merriweather{%
267 \setlogokern{Te}{-0.09em}%
268 \setlogokern{eX}{-0.09em}%
269 \setlogokern{La}{-.26em}%
270 \setlogokern{aT}{-.07em}%
271 \setlogokern{Xe}{-.06em}%
272 \setlogokern{eT}{-.10em}%
273 \setlogokern{eL}{-.06em}%
274 \setlogodrop{0.32ex}%
275 }
```

275 }

newcent (*Opt*)

```
276 \newcommand*{\MLX@newcent}{%
277     \setlogokern{Te}{-0.08em}%
278     \setlogokern{eX}{-0.09em}%
279     \setlogokern{La}{-.30em}%
280     \setlogokern{aT}{-.07em}%
281     \setlogokern{Xe}{-.07em}%
282     \setlogokern{eT}{-.10em}%
283     \setlogokern{eL}{-.06em}%
284     \setlogodrop{0.49ex}%
285 }
```

noto (*Opt*)

```
286 \newcommand*{\MLX@noto}{%
287     \setlogokern{Te}{-0.11em}%
288     \setlogokern{eX}{-0.10em}%
289     \setlogokern{La}{-.30em}%
290     \setlogokern{aT}{-.07em}%
291     \setlogokern{Xe}{-.10em}%
292     \setlogokern{eT}{-.10em}%
293     \setlogokern{eL}{-.06em}%
294     \setlogodrop{0.26ex}%
295 }
```

palatino (*Opt*)

```
296 \newcommand*{\MLX@palatino}{%
297     \setlogokern{Te}{-0.07em}%
298     \setlogokern{eX}{-0.09em}%
299     \setlogokern{La}{-.33em}%
300     \setlogokern{aT}{-.10em}%
301     \setlogokern{Xe}{-.09em}%
302     \setlogokern{eT}{-.08em}%
303     \setlogokern{eL}{-.07em}%
304     \setlogodrop{0.35ex}%
305 }
```

pandora (*Opt*)

```
306 \newcommand*{\MLX@pandora}{%
307     \setlogokern{Te}{-0.09em}%
308     \setlogokern{eX}{-0.08em}%
309     \setlogokern{La}{-.32em}%
310     \setlogokern{aT}{-.07em}%
311     \setlogokern{Xe}{-.08em}%
312     \setlogokern{eT}{-.10em}%
313     \setlogokern{eL}{-.06em}%
314     \setlogodrop{0.53ex}%
315 }
```

paratype (*Opt*)

```
316 \newcommand*\MLX@paratype{%
317   \setlogokern{Te}{-0.07em}%
318   \setlogokern{eX}{-0.10em}%
319   \setlogokern{La}{-.26em}%
320   \setlogokern{aT}{-.07em}%
321   \setlogokern{Xe}{-.06em}%
322   \setlogokern{eT}{-.10em}%
323   \setlogokern{eL}{-.06em}%
324   \setlogodrop{0.34ex}%
325 }
```

plexserif (*Opt*)

```
326 \newcommand*\MLX@plexserif{%
327   \setlogokern{Te}{-0.1667em}%
328   \setlogokern{eX}{-0.125em}%
329   \setlogokern{La}{-.30em}%
330   \setlogokern{aT}{-.10em}%
331   \setlogokern{Xe}{-.125em}%
332   \setlogokern{eT}{-.16em}%
333   \setlogokern{eL}{-.10em}%
334   \setlogodrop{0.5ex}%
335 }
```

plexsans (*Opt*)

```
336 \newcommand*\MLX@plexsans{%
337   \setlogokern{Te}{-0.1667em}%
338   \setlogokern{eX}{-0.10em}%
339   \setlogokern{La}{-.25em}%
340   \setlogokern{aT}{-.10em}%
341   \setlogokern{Xe}{-.10em}%
342   \setlogokern{eT}{-.17em}%
343   \setlogokern{eL}{-.10em}%
344   \setlogodrop{0.5ex}%
345 }
```

quattrocento (*Opt*) Compromises must be made here. It appears that the height of 1ex is incorrect for serif with X_YL^AT_EX, Lua^AT_EX.

```
346 \newcommand*\MLX@quattrocento{%
347   \setlogokern{Te}{-0.09em}%
348   \setlogokern{eX}{-0.05em}%
349   \setlogokern{La}{-.26em}%
350   \setlogokern{aT}{-.07em}%
351   \setlogokern{Xe}{-.06em}%
352   \setlogokern{eT}{-.10em}%
353   \setlogokern{eL}{-.06em}%
354   \setlogodrop{.4ex}%
355 }
```

sourceserifpro (*Opt*)

```

356 \newcommand*\MLX@sourceserifpro{%
357     \setlogokern{Te}{-0.12em}%
358     \setlogokern{eX}{-0.09em}%
359     \setlogokern{La}{-.29em}%
360     \setlogokern{aT}{-.07em}%
361     \setlogokern{Xe}{-.09em}%
362     \setlogokern{eT}{-.10em}%
363     \setlogokern{eL}{-.09em}%
364     \setlogodrop{0.30ex}%
365 }
```

sourcesanspro (*Opt*)

```

366 \newcommand*\MLX@sourcesanspro{%
367     \setlogokern{Te}{-0.12em}%
368     \setlogokern{eX}{-0.09em}%
369     \setlogokern{La}{-.22em}%
370     \setlogokern{aT}{-.07em}%
371     \setlogokern{Xe}{-.09em}%
372     \setlogokern{eT}{-.10em}%
373     \setlogokern{eL}{-.09em}%
374     \setlogodrop{0.30ex}%
375 }
```

times (*Opt*)

```

376 \newcommand*\MLX@times{%
377     \setlogokern{Te}{-0.06em}%
378     \setlogokern{eX}{-0.05em}%
379     \setlogokern{La}{-.28em}%
380     \setlogokern{aT}{-.07em}%
381     \setlogokern{Xe}{-.06em}%
382     \setlogokern{eT}{-.06em}%
383     \setlogokern{eL}{-.02em}%
384     \setlogodrop{0.34ex}%
385 }
```

utopia (*Opt*)

```

386 \newcommand*\MLX@utopia{%
387     \setlogokern{Te}{-.08em}%
388     \setlogokern{eX}{-0.04em}%
389     \setlogokern{La}{-.21em}%
390     \setlogokern{aT}{-.10em}%
391     \setlogokern{Xe}{-.02em}%
392     \setlogokern{eT}{-.10em}%
393     \setlogokern{eL}{-.06em}%
394     \setlogodrop{0.30ex}%
395 }
```

venturis (*Opt*)

```

396 \newcommand*{\MLX@venturis}{%
397   \setlogokern{Te}{-0.07em}%
398   \setlogokern{eX}{-0.05em}%
399   \setlogokern{La}{-.22em}%
400   \setlogokern{aT}{-.07em}%
401   \setlogokern{Xe}{-.06em}%
402   \setlogokern{eT}{-.06em}%
403   \setlogokern{eL}{-.06em}%
404   \setlogodrop{0.36ex}%
405 }

```

vera (Opt)

```

406 \newcommand*{\MLX@vera}{%
407   \setlogokern{Te}{-0.12em}%
408   \setlogokern{eX}{-0.14em}%
409   \setlogokern{La}{-.32em}%
410   \setlogokern{aT}{-.05em}%
411   \setlogokern{Xe}{-.14em}%
412   \setlogokern{eT}{-.10em}%
413   \setlogokern{eL}{-.10em}%
414   \setlogodrop{0.235ex}%
415 }

```

verasans (Opt)

```

416 \newcommand*{\MLX@verasans}{%
417   \setlogokern{Te}{-0.12em}%
418   \setlogokern{eX}{-0.10em}%
419   \setlogokern{La}{-.28em}%
420   \setlogokern{aT}{-.05em}%
421   \setlogokern{Xe}{-.10em}%
422   \setlogokern{eT}{-.10em}%
423   \setlogokern{eL}{-.10em}%
424   \setlogodrop{0.35ex}%
425 }

```

3.2.1 Common synonyms

Synonyms for commonly-used fonts.

tgbonum (Opt)

```

426 \newcommand*{\MLX@tgbonum}{\MLX@bookman}

```

tgheros (Opt)

```

427 \newcommand*{\MLX@tgheros}{\MLX@helvetica}

```

tgpagella (Opt)

```

428 \newcommand*{\MLX@tgpagella}{\MLX@palatino}

```

tgsschola (*Opt*)

```
429 \newcommand*{\MLX@tgsschola}{\MLX@newcent}
```

tgstermes (*Opt*)

```
430 \newcommand*{\MLX@tgstermes}{\MLX@times}
```

3.2.2 Similar fonts

The following work well enough that a separate definition is probably not necessary.

antiqua (*Opt*)

```
431 \newcommand*{\MLX@antiqua}{\MLX@baskerville}
```

anttor (*Opt*)

```
432 \newcommand*{\MLX@anttor}{\MLX@antpolt}
```

artemisia (*Opt*)

```
433 \newcommand*{\MLX@artemisia}{\MLX@baskerville}
```

caladea (*Opt*)

```
434 \newcommand*{\MLX@caladea}{\MLX@baskerville}
```

caslon (*Opt*)

```
435 \newcommand*{\MLX@caslon}{\MLX@baskerville}
```

cochineal (*Opt*)

```
436 \newcommand*{\MLX@cochineal}{\MLX@baskerville}
```

concmath (*Opt*)

```
437 \newcommand*{\MLX@concmath}{\MLX@lmodern}
```

drm (*Opt*)

```
438 \newcommand*{\MLX@drm}{\MLX@lmodern}
```

garamond (*Opt*)

```
439 \newcommand*{\MLX@garamond}{\MLX@baskerville}
```

imfellenglish (*Opt*)

```
440 \newcommand*{\MLX@imfellenglish}{\MLX@baskerville}
```


`literat` (*Opt*)

```
441 \newcommand*{\MLX@literat}{\MLX@baskerville}
```

`roboto` (*Opt*)

```
442 \newcommand*{\MLX@roboto}{\MLX@pandora}
```

`romande` (*Opt*)

```
443 \newcommand*{\MLX@romande}{\MLX@baskerville}
```

3.3 Manual adjust selection

`\adjustlogos` {*<package option>*}

If the given option matches a predefined `\MLX@. . .` macro, use it.

```
444 \newcommand*{\adjustlogos}[1]{%
445   \ifcsdef{MLX@#1}{%
446     \PackageInfo{metalogox}{Setting #1}%
447     \csuse{MLX@#1}%
448   }{%
449     \PackageError{metalogox}{Unknown setting #1}%
450     {See the metalogox documentation for a list of options.}%
451   }%
452 }
```

3.4 Font detection

`MLX@@foundfont` (*bool*) Found the font?

```
453 \newbool{MLX@@foundfont}
```

`\MLX@@detectvariant` {*<1: family>*} {*<2: variant>*} {*<3: name>*} {*<4: setting>*}

If the font variant matches, adjust accordingly.

(The doubled @ is to distinguish this from a valid metalogox option.)

```
454 \newcommand*{\MLX@@detectvariant}[4]{%
455   \ifdefstring{MLX@@thisfont}{#1#2}{%
456     \booltrue{MLX@@foundfont}%
457     \PackageInfo{metalogox}{Detected #1#2, #3. Using #4}%
458     \adjustlogos{#4}%
459   }{}%
460 }
```

`\MLX@@detectone {⟨1: family⟩} {⟨2: name⟩} {⟨3: setting⟩}`

Tests variants. If a font family and variant matches, select the `metalogox` option.

(The doubled @ is to distinguish this from a valid `metalogox` option.)

```
461 \NewDocumentCommand{\MLX@@detectone}{m m m}{%
462 \MLX@@detectvariant{#1}{#2}{#3}%
463 \MLX@@detectvariant{#1}{-TLF}{#2}{#3}%
464 \MLX@@detectvariant{#1}{-LF}{#2}{#3}%
465 \MLX@@detectvariant{#1}{-OsF}{#2}{#3}%
466 \MLX@@detectvariant{#1}{-TOf}{#2}{#3}%
467 \MLX@@detectvariant{#1}{Condensed-TLF}{#2}{#3}%
468 \MLX@@detectvariant{#1}{Condensed-LF}{#2}{#3}%
469 \MLX@@detectvariant{#1}{Condensed-Of}{#2}{#3}%
470 \MLX@@detectvariant{#1}{Condensed-TOf}{#2}{#3}%
471 \MLX@@detectvariant{#1}{(0)}{#2}{#3}%
472 \MLX@@detectvariant{#1}{(1)}{#2}{#3}%
473 }
```

`\autoadjustlogos *`

Search a list of fonts and variants, looking for a match with the current one.

```
474 \NewDocumentCommand{\autoadjustlogos}{s}{%
```

Not yet discovered the font:

```
475 \boolfalse{MLX@@foundfont}%
```

If starred, use the text body font, else use the local font:

```
476 \IfBooleanTF{#1}{%
477   \edef\MLX@@thisfont{\familydefault}%
478 }{%
479   \edef\MLX@@thisfont{\f@family}%
480 }%
```

Announce the desired font:

```
481 \PackageInfo{metalogox}{Searching for \MLX@@thisfont}%
```

Default if nothing is found:

```
482 \adjustlogos{lmodern}%
```

Search a list of possibilities:

```
483 \MLX@@detectone{AccanthisADFStdNoThree}{accanthis}{accanthis}%
484 \MLX@@detectone{AccanthisADFStdNo3}{accanthis}{accanthis}%
485 \MLX@@detectone{Alegreya}{Alegreya}{alegreya}%
486 \MLX@@detectone{AlegreyaSans}{AlegreyaSans}{alegreya}%
```

487 \MLX@@detectone{AlgolRevived}{algolrevived}{algolrevived}%
488 \MLX@@detectone{uaq}{antiqua}{baskerville}%
489 \MLX@@detectone{antp}{antpolt}{antpolt}%
490 \MLX@@detectone{AntykwaPoltawskiego}{antpolt}{antpolt}%
491 \MLX@@detectone{antt}{anttor}{antpolt}%
492 \MLX@@detectone{AntykwaTorunska}{anttor}{antpolt}%
493 \MLX@@detectone{ArchivZero-OsF}{Archiv0}{helvetica}%
494 \MLX@@detectone{Archiv0(0)}{Archiv0}{helvetica}%
495 \MLX@@detectone{fav}{arev}{vera}%
496 \MLX@@detectone{Arimo}{Arimo}{helvetica}%
497 \MLX@@detectone{atkinsn-LF}{Atkinson Hyperlegible}{helvetica}%
498 \MLX@@detectone{AtkinsonHyperlegible(0)}{Atkinson Hyperlegible}{helvetica}%
499 \MLX@@detectone{pag}{Avant Garde}{avantgarde}%
500 \MLX@@detectone{qag}{tgadventor}{avantgarde}%
501 \MLX@@detectone{ybv}{baskervald}{baskerville}%
502 \MLX@@detectone{ybvww}{baskervald}{baskerville}%
503 \MLX@@detectone{Baskervaldx}{Baskervaldx}{baskerville}%
504 \MLX@@detectone{BaskervilleF}{baskervillef}{baskerville}%
505 \MLX@@detectone{fve}{beraserif}{vera}%
506 \MLX@@detectone{fvs}{berasans}{verasans}%
507 \MLX@@detectone{ybd}{berenis}{berenis}%
508 \MLX@@detectone{ybd2}{berenis}{berenis}%
509 \MLX@@detectone{ybd2j}{berenis}{berenis}%
510 \MLX@@detectone{ybdj}{berenis}{berenis}%
511 \MLX@@detectone{BerenisADFPro}{berenis}{berenis}%
512 \MLX@@detectone{LinuxBiolinumT}{biolinum}{helvetica}%
513 \MLX@@detectone{Cabin}{Cabin}{helvetica}%
514 \MLX@@detectone{CabinCondensed}{CabinCondensed}{helvetica}%
515 \MLX@@detectone{Caladea}{caladea}{baskerville}%
516 \MLX@@detectone{cantarell}{cantarell}{helvetica}%
517 \MLX@@detectone{CrIt}{Carlito}{crimson}%
518 \MLX@@detectone{Carlito}{Carlito}{crimson}%
519 \MLX@@detectone{charssil}{CharisSIL}{times}%
520 \MLX@@detectone{CharisSIL}{CharisSIL}{times}%
521 \MLX@@detectone{mdbch}{mdbch - Math Design Bitstream Charter}{charter}%
522 \MLX@@detectone{Chivo}{Chivo}{helvetica}%
523 \MLX@@detectone{ClearSans}{Clear Sans}{helvetica}%
524 \MLX@@detectone{Cochineal}{cochineal}{baskerville}%
525 \MLX@@detectone{Coelacanth}{coelacanth}{coelacanth}%
526 \MLX@@detectone{comfortaa}{comfortaa}{avantgarde}%
527 \MLX@@detectone{ComicNeue}{comicneue}{avantgarde}%
528 \MLX@@detectone{cmbr}{Computer Modern Bright}{lmodern}%
529 \MLX@@detectone{lcms}{Computer Modern Sans Quote}{lmodern}%
530 \MLX@@detectone{cmr}{Computer Modern Roman}{lmodern}%
531 \MLX@@detectone{cmss}{Computer Modern Sans}{lmodernsans}%
532 \MLX@@detectone{ccr}{concmath}{lmodern}%
533 \MLX@@detectone{CormorantGaramond}{CormorantGaramond}{garamond}%
534 \MLX@@detectone{Crimson}{crimson}{crimson}%
535 \MLX@@detectone{CrimsonPro}{CrimsonPro}{crimson}%
536 \MLX@@detectone{cpr}{Cuprum}{utopia}%
537 \MLX@@detectone{Cuprum(0)}{Cuprum}{utopia}%
538 \MLX@@detectone{cyklop}{Cyklop}{lmodern}%
539 \MLX@@detectone{DejaVuSerif}{DejaVuSerif}{vera}%
540 \MLX@@detectone{DejaVuSerifCondensed}{DejaVuSerif Condensed}{vera}%

541 \MLX@@detectone{DejaVuSans}{DejaVuSans}{verasans}%
542 \MLX@@detectone{drm}{DRM}{lmodern}%
543 \MLX@@detectone{droidserif}{Droid Serif}{droidserif}%
544 \MLX@@detectone{droidsans}{Droid Sans}{droidsans}%
545 \MLX@@detectone{DroidSerif}{Droid Serif}{droidserif}%
546 \MLX@@detectone{DroidSans}{Droid Sans}{droidsans}%
547 \MLX@@detectone{EBGaramond}{EB Garamond}{garamond}%
548 \MLX@@detectone{EBGaramond12}{EB Garamond}{garamond}%
549 \MLX@@detectone{Eczar(0)}{Eczar}{times}%
550 \MLX@@detectone{erewhon}{erewhon}{utopia}%
551 \MLX@@detectone{Erewhon-Regular}{erewhon}{utopia}%
552 \MLX@@detectone{fbb}{fbb}{baskerville}%
553 \MLX@@detectone{FiraSans}{Fira Sans}{helvetica}%
554 \MLX@@detectone{FiraSansBook}{Fira Sans}{helvetica}%
555 \MLX@@detectone{FiraSansThin}{Fira Sans}{helvetica}%
556 \MLX@@detectone{FiraSansLight}{Fira Sans}{helvetica}%
557 \MLX@@detectone{FiraSansExtraLight}{Fira Sans}{helvetica}%
558 \MLX@@detectone{FiraSansUltraLight}{Fira Sans}{helvetica}%
559 \MLX@@detectone{futs}{fourier}{utopia}%
560 \MLX@@detectone{fnc}{fouriernc}{newcent}%
561 \MLX@@detectone{gentium}{gentium}{gentium}%
562 \MLX@@detectone{GentiumPlus}{gentium}{gentium}%
563 \MLX@@detectone{artemisia}{gfsartemisia}{baskerville}%
564 \MLX@@detectone{GFSArtemisia}{gfsartemisia}{baskerville}%
565 \MLX@@detectone{artemisiaeuler}{gfsartemisia}{baskerville}%
566 \MLX@@detectone{bodoni}{gfsbodoni}{bodoni}%
567 \MLX@@detectone{GFSBodoni}{gfsbodoni}{bodoni}%
568 \MLX@@detectone{udidot}{gfsdidot}{didot}%
569 \MLX@@detectone{FreeSerif}{GNU Freeserif}{times}%
570 \MLX@@detectone{FreeSans}{GNU Freesans}{helvetica}%
571 \MLX@@detectone{neohellenic}{GFS Neohellenic}{helvetica}%
572 \MLX@@detectone{GFSNeohellenic}{GFS Neohellenic}{helvetica}%
573 \MLX@@detectone{Gillius}{Gillius}{avantgarde}%
574 \MLX@@detectone{GilliusADF}{Gillius}{avantgarde}%
575 \MLX@@detectone{GilliusADFCond}{Gillius}{avantgarde}%
576 \MLX@@detectone{GilliusADFNo2}{Gillius}{avantgarde}%
577 \MLX@@detectone{GilliusADFNo2Cond}{Gillius}{avantgarde}%
578 \MLX@@detectone{Go}{Go Sans}{helvetica}%
579 \MLX@@detectone{phv}{helvet}{helvetica}%
580 \MLX@@detectone{Heuristica}{heuristica}{utopia}%
581 \MLX@@detectone{heuristica}{heuristica}{utopia}%
582 \MLX@@detectone{IbarraRealNova-LF}{Ibarra}{times}%
583 \MLX@@detectone{IbarraRealNova(0)}{Ibarra}{times}%
584 \MLX@@detectone{IMFELLEnglish}{imfellEnglish}{baskerville}%
585 \MLX@@detectone{InriaSans}{Inria Sans}{helvetica}%
586 \MLX@@detectone{InriaSerif}{Inria Serif}{baskerville}%
587 \MLX@@detectone{Inter}{Inter}{helvetica}%
588 \MLX@@detectone{iwona}{Iwona}{helvetica}%
589 \MLX@@detectone{Iwona}{Iwona}{helvetica}%
590 \MLX@@detectone{IwonaLight}{Iwona}{helvetica}%
591 \MLX@@detectone{IwonaMedium}{Iwona}{helvetica}%
592 \MLX@@detectone{IwonaHeavy}{Iwona}{helvetica}%
593 \MLX@@detectone{IwonaCond}{Iwona}{helvetica}%
594 \MLX@@detectone{IwonaCondLight}{Iwona}{helvetica}%

595 \MLX@@detectone{IwonaCondMedium}{Iwona}{helvetica}%
596 \MLX@@detectone{IwonaCondHeavy}{Iwona}{helvetica}%
597 \MLX@@detectone{Junicode}{Junicode}{times}%
598 \MLX@@detectone{mak}{kerkis}{kerkis}%
599 \MLX@@detectone{maksf}{kerkis sans}{kerkis}%
600 \MLX@@detectone{jkp}{kpfonts}{kpfonts}%
601 \MLX@@detectone{jkpf}{kpfonts}{kpfonts}%
602 \MLX@@detectone{jkpfosn}{kpfonts}{kpfonts}%
603 \MLX@@detectone{jkpk}{kpfonts}{kpfonts}%
604 \MLX@@detectone{jkpkf}{kpfonts}{kpfonts}%
605 \MLX@@detectone{jkpkfosn}{kpfonts}{kpfonts}%
606 \MLX@@detectone{jkpkos}{kpfonts}{kpfonts}%
607 \MLX@@detectone{jkpkosn}{kpfonts}{kpfonts}%
608 \MLX@@detectone{jkpkvos}{kpfonts}{kpfonts}%
609 \MLX@@detectone{jkpl}{kpfonts}{kpfonts}%
610 \MLX@@detectone{jkplf}{kpfonts}{kpfonts}%
611 \MLX@@detectone{jkplfosn}{kpfonts}{kpfonts}%
612 \MLX@@detectone{jkplk}{kpfonts}{kpfonts}%
613 \MLX@@detectone{jkplkf}{kpfonts}{kpfonts}%
614 \MLX@@detectone{jkplkfosn}{kpfonts}{kpfonts}%
615 \MLX@@detectone{jkplkos}{kpfonts}{kpfonts}%
616 \MLX@@detectone{jkplkosn}{kpfonts}{kpfonts}%
617 \MLX@@detectone{jkplkvos}{kpfonts}{kpfonts}%
618 \MLX@@detectone{jkplos}{kpfonts}{kpfonts}%
619 \MLX@@detectone{jkplosn}{kpfonts}{kpfonts}%
620 \MLX@@detectone{jkplvos}{kpfonts}{kpfonts}%
621 \MLX@@detectone{jkpos}{kpfonts}{kpfonts}%
622 \MLX@@detectone{jkposn}{kpfonts}{kpfonts}%
623 \MLX@@detectone{jkpss}{kpfonts}{kpfonts}%
624 \MLX@@detectone{jkpssf}{kpfonts}{kpfonts}%
625 \MLX@@detectone{jkpssfosn}{kpfonts}{kpfonts}%
626 \MLX@@detectone{jkpssk}{kpfonts}{kpfonts}%
627 \MLX@@detectone{jkpsskf}{kpfonts}{kpfonts}%
628 \MLX@@detectone{jkpsskfosn}{kpfonts}{kpfonts}%
629 \MLX@@detectone{jkpsskos}{kpfonts}{kpfonts}%
630 \MLX@@detectone{jkpsskosn}{kpfonts}{kpfonts}%
631 \MLX@@detectone{jkpsskvos}{kpfonts}{kpfonts}%
632 \MLX@@detectone{jkpssos}{kpfonts}{kpfonts}%
633 \MLX@@detectone{jkpssosn}{kpfonts}{kpfonts}%
634 \MLX@@detectone{jkpssvos}{kpfonts}{kpfonts}%
635 \MLX@@detectone{jkptt}{kpfonts}{kpfonts}%
636 \MLX@@detectone{jkpttos}{kpfonts}{kpfonts}%
637 \MLX@@detectone{jkpttosn}{kpfonts}{kpfonts}%
638 \MLX@@detectone{jkpttvos}{kpfonts}{kpfonts}%
639 \MLX@@detectone{jkpvos}{kpfonts}{kpfonts}%
640 \MLX@@detectone{jkpx}{kpfonts}{kpfonts}%
641 \MLX@@detectone{jkpxf}{kpfonts}{kpfonts}%
642 \MLX@@detectone{jkpxfosn}{kpfonts}{kpfonts}%
643 \MLX@@detectone{jkpxk}{kpfonts}{kpfonts}%
644 \MLX@@detectone{jkpxkf}{kpfonts}{kpfonts}%
645 \MLX@@detectone{jkpxkfosn}{kpfonts}{kpfonts}%
646 \MLX@@detectone{jkpxkos}{kpfonts}{kpfonts}%
647 \MLX@@detectone{jkpxkosn}{kpfonts}{kpfonts}%
648 \MLX@@detectone{jkpxkvos}{kpfonts}{kpfonts}%

```
649 \MLX@@detectone{jkpxos}{kpfonts}{kpfonts}%
650 \MLX@@detectone{jkpxosn}{kpfonts}{kpfonts}%
651 \MLX@@detectone{jkpxvos}{kpfonts}{kpfonts}%
652 \MLX@@detectone{JosefinSans}{Josefin}{lmodern}%
653 \MLX@@detectone{kurier}{Kurier}{helvetica}%
654 \MLX@@detectone{Kurier}{Kurier}{helvetica}%
655 \MLX@@detectone{KurierLight}{Kurier}{helvetica}%
656 \MLX@@detectone{KurierMedium}{Kurier}{helvetica}%
657 \MLX@@detectone{KurierHeavy}{Kurier}{helvetica}%
658 \MLX@@detectone{KurierCond}{Kurier}{helvetica}%
659 \MLX@@detectone{KurierCondLight}{Kurier}{helvetica}%
660 \MLX@@detectone{KurierCondMedium}{Kurier}{helvetica}%
661 \MLX@@detectone{KurierCondHeavy}{Kurier}{helvetica}%
662 \MLX@@detectone{lato}{Lato}{helvetica}%
663 \MLX@@detectone{Lato}{Lato}{helvetica}%
664 \MLX@@detectone{lmr}{lmodern}{lmodern}%
665 \MLX@@detectone{mlmr}{MLModern}{lmodern}%
666 \MLX@@detectone{mlmss}{MLModern}{lmodern}%
667 \MLX@@detectone{lmss}{lmodern sans}{lmodernsans}%
668 \MLX@@detectone{lmssq}{lmodern sans}{lmodernsans}%
669 \MLX@@detectone{LatinModernRoman}{Latin Modern Roman}{lmodern}%
670 \MLX@@detectone{LatinModernSans}{Latin Modern Sans}{lmodernsans}%
671 \MLX@@detectone{LinuxLibertineT}{libertine}{libertine}%
672 \MLX@@detectone{LinLibertine}{libertine}{libertine}%
673 \MLX@@detectone{LinBiolinum}{libertine}{helvetica}%
674 \MLX@@detectone{LibertinusSerif}{libertinus-type1}{libertinus}%
675 \MLX@@detectone{LibertinusSans}{libertinus-type1}{helvetica}%
676 \MLX@@detectone{libertinusserif}{libertinus-otf}{libertinus}%
677 \MLX@@detectone{libertinussans}{libertinus-otf}{helvetica}%
678 \MLX@@detectone{LibreBaskvl}{librebaskerville}{baskerville}%
679 \MLX@@detectone{LibreBaskerville}{librebaskerville}{baskerville}%
680 \MLX@@detectone{LibreBodoni}{LibreBodoni}{librebodoni}%
681 \MLX@@detectone{LibreCaslonText}{Libre Caslon}{baskerville}%
682 \MLX@@detectone{LibreCsln}{Libre Caslon}{baskerville}%
683 \MLX@@detectone{yly}{libris}{avantgarde}%
684 \MLX@@detectone{llcmss}{LX Fonts}{avantgarde}%
685 \MLX@@detectone{ptm}{mathptmx}{times}%
686 \MLX@@detectone{ppl}{mathpazo}{palatino}%
687 \MLX@@detectone{bch}{mdbch}{charter}%
688 \MLX@@detectone{mdput}{mdput - Math Design Utopia}{utopia}%
689 \MLX@@detectone{mdugm}{mdugm - Math Design URW Garamond}{baskerville}%
690 \MLX@@detectone{Merriwthr}{merriweather}{merriweather}%
691 \MLX@@detectone{MerriwthrSans}{merriweather}{merriweather}%
692 \MLX@@detectone{Merriweather}{merriweather}{merriweather}%
693 \MLX@@detectone{MerriweatherSans}{merriweather}{merriweather}%
694 \MLX@@detectone{MintSpirit}{Mint Spirit}{avantgarde}%
695 \MLX@@detectone{MintSpiritNoTwo}{Mint Spirit No 2}{avantgarde}%
696 \MLX@@detectone{MintSpiritNo2}{Mint Spirit No 2}{avantgarde}%
697 \MLX@@detectone{Montserrat}{Montserrat}{helvetica}%
698 \MLX@@detectone{MontserratAlternates}{Montserrat}{helvetica}%
699 \MLX@@detectone{pnc}{newcent}{newcent}%
700 \MLX@@detectone{zpltlf}{newpxtext}{palatino}%
701 \MLX@@detectone{minntx}{newtxtext}{times}%
702 \MLX@@detectone{ntxtlf}{newtxtext}{times}%
```

703 \MLX@@detectone{nimbussans}{nimbussans}{helvetica}%
704 \MLX@@detectone{NimbusSans}{nimbusserif}{helvetica}%
705 \MLX@@detectone{NimbusSerif}{nimbusserif}{times}%
706 \MLX@@detectone{NimbusSansL}{nimbussans}{helvetica}%
707 \MLX@@detectone{ztm}{nimbusserif}{times}%
708 \MLX@@detectone{zhv}{nimbussans}{helvetica}%
709 \MLX@@detectone{NotoSerif}{noto}{noto}%
710 \MLX@@detectone{NotoSans}{noto}{noto}%
711 \MLX@@detectone{Nunito-TOf}{Nunito}{helvetica}%
712 \MLX@@detectone{Nunito(0)}{Nunito}{helvetica}%
713 \MLX@@detectone{OldStandard}{Old Standard}{didot}%
714 \MLX@@detectone{fosj}{opensans}{avantgarde}%
715 \MLX@@detectone{opensans}{opensans}{avantgarde}%
716 \MLX@@detectone{OpenSans}{Open Sans}{avantgarde}%
717 \MLX@@detectone{Zeroswald}{Oswald}{utopia}%
718 \MLX@@detectone{Ovr1ck}{Overlock}{avantgarde}% bug with XeLaTeX%
719 \MLX@@detectone{Overlock}{Overlock}{avantgarde}% bug with XeLaTeX%
720 \MLX@@detectone{panr}{pandora}{pandora}%
721 \MLX@@detectone{pss}{pandora}{pandora}%
722 \MLX@@detectone{PTSerif}{paratype}{paratype}%
723 \MLX@@detectone{PTSans}{paratype}{paratype}%
724 \MLX@@detectone{PTSansNarrow}{paratype}{paratype}%
725 \MLX@@detectone{IBMPlexSerif}{plex-serif}{plexserif}%
726 \MLX@@detectone{IBMPlexSans}{plex-sans}{plexsans}%
727 \MLX@@detectone{pxr}{pxfonts}{palatino}%
728 \MLX@@detectone{pxss}{pxfonts}{helvetica}%
729 \MLX@@detectone{Quattro}{quattrocento}{quattrocento}%
730 \MLX@@detectone{QuattroSans}{quattrocento}{quattrocento}%
731 \MLX@@detectone{Quattrocento}{quattrocento}{quattrocento}%
732 \MLX@@detectone{QuattrocentoSans}{quattrocento}{quattrocento}%
733 \MLX@@detectone{Raleway}{raleway}{helvetica}%
734 \MLX@@detectone{Roboto}{roboto}{helvetica}%
735 \MLX@@detectone{RobotoSlab}{roboto}{roboto}%
736 \MLX@@detectone{RobotoCondensed}{roboto}{helvetica}%
737 \MLX@@detectone{yrd}{romande}{baskerville}%
738 \MLX@@detectone{yrda}{romande}{baskerville}%
739 \MLX@@detectone{yrdw}{romande}{baskerville}% todo swash style%
740 \MLX@@detectone{yrdaw}{romande}{baskerville}% todo swash style%
741 \MLX@@detectone{Shobhika}{Shobhika}{paratype}%
742 \MLX@@detectone{SourceSerifPro}{sourceserifpro}{sourceserifpro}%
743 \MLX@@detectone{SourceSansPro}{sourcesanspro}{sourcesanspro}%
744 \MLX@@detectone{SticksTooText}{stickstootext}{times}%
745 \MLX@@detectone{stix}{stix}{times}%
746 \MLX@@detectone{stix2}{stix2}{times}%
747 \MLX@@detectone{STIXTwoText}{stix2}{times}%
748 \MLX@@detectone{pbk}{bookman}{bookman}%
749 \MLX@@detectone{qbk}{tgbonum}{bookman}%
750 \MLX@@detectone{qhvh}{tgheros}{helvetica}%
751 \MLX@@detectone{qpl}{tgpagella}{palatino}%
752 \MLX@@detectone{qcs}{tgschola}{newcent}%
753 \MLX@@detectone{qtm}{tgtermes}{times}%
754 \MLX@@detectone{TeXGyreAdventor}{TeX Gyre Adventor}{avantgarde}%
755 \MLX@@detectone{TeXGyreBonum}{TeX Gyre Bonum}{bookman}%
756 \MLX@@detectone{TeXGyreHeros}{TeX Gyre Heros}{helvetica}%

```

757 \MLX@@detectone{TeXGyrePagella}{TeX Gyre Pagella}{palatino}%
758 \MLX@@detectone{TeXGyreSchola}{TeX Gyre Schola}{newcent}%
759 \MLX@@detectone{TeXGyreTermes}{TeX Gyre Termes}{times}%
760 \MLX@@detectone{txr}{txfonts}{times}%
761 \MLX@@detectone{txss}{txfonts}{times}%
762 \MLX@@detectone{UniversalisADFStd}{Universalis ADF Std}{crimson}%
763 \MLX@@detectone{ugq}{URW Grotesk}{crimson}%
764 \MLX@@detectone{put}{utopia}{utopia}%
765 \MLX@@detectone{yvt}{venturis}{venturis}%
766 \MLX@@detectone{yvtj}{venturis}{venturis}%
767 \MLX@@detectone{yvtw}{venturis}{venturis}%
768 \MLX@@detectone{yvtjw}{venturis}{venturis}%
769 \MLX@@detectone{yvtaw}{venturis}{venturis}%
770 \MLX@@detectone{yvtajw}{venturis}{venturis}%
771 \MLX@@detectone{yv1}{venturissans}{venturis}%
772 \MLX@@detectone{yv2}{venturis2}{venturis}%
773 \MLX@@detectone{yv3}{venturissans2}{venturis}%
774 \MLX@@detectone{yvo}{venturisol}{venturis}%
775 \MLX@@detectone{yvoa}{venturisol}{venturis}%
776 \MLX@@detectone{XCharter}{XCharter}{charter}%
777 \MLX@@detectone{XITS}{XITS}{times}%

```

Warning if font was not found:

```

778 \ifbool{MLX@@foundfont}%
779   {}%
780   {%
781     \PackageWarningNoLine{metalogox}
782       {%
783         Did not find font \MLX@@thisfont.\MessageBreak
784         To improve \string\LaTeX, and related logos:\MessageBreak%
785         \string\usepackage[option]{metalogox}\MessageBreak%
786         Common options: times, bookman for serif,\MessageBreak%
787         helvetica, avantgarde for sans%
788       }
789   }
790 }

```

3.5 Option declaration

```

791 \DeclareOption*{%
792   \adjustlogos{\CurrentOption}%
793 }

```

3.6 Default settings

Adjust according to the text body font, if detected, or use defaults otherwise:

```

794 \autoadjustlogos*

```


3.7 Option trigger

Any metalogo package option will next override the above settings.

```
795 \ProcessOptions\relax
```

3.8 Support for the hologo and hvlogos packages

If hologo is used, a few macros are defined to use metalogo kerning. (hvlogos uses hologo, so is also supported.)

```
796 \AtBeginDocument{
797
798 \IfPackageLoadedTF{hologo}
799 {
800 \def\HoLogo@TeX#1{\TeX}
801
802 \def\HoLogo@La#1{%
803   \x@everylogo
804   L\kern\xl@kern@La@La
805   {\ifxetex
806     \XeTeXuseglyphmetrics\@ne
807     \fi
808     \sbox\z@ T%
809     \sbox\@ne{\x@LaTeX@a}%
810     \vbox to\ht\z@{%
811       \hbox{%
812         \ltx@sh@ft{\ht\z@}%
813         \xl@sh@ft{\ht\@ne}%
814         \x@LaTeX@a
815         \xl@sh@ft{\ht\z@}%
816         \ltx@sh@ft{\ht\@ne}}%
817       \vss}}%
818   }
819
820 \def\HoLogo@LaTeX#1{\HoLogo@La{La}\kern\xl@kern@LaTeX@aT\TeX}
821
822 \def\HoLogo@LaTeXe#1{%
823   \hologo{LaTeX}%
824   \kern\xl@kern@LaTeXe@Xii%
825   \hbox{%
826     \HOLOGO@MathSetup
827     2%
828     $_{\textstyle\varepsilon}$%
829   }%
830 }
831
832 \def\HoLogo@LaTeXTeX#1{%
833   (%
834     \kern\xl@kern@LaTeX@aT
835     \hologo{La}%
```

```
836 \kern\xl@kern@LaTeX@aT
837 )%
838 \kern\xl@kern@LaTeX@aT
839 \hologo{TeX}%
840 }
841 \expandafter\let\csname HoLogo@(La)TeX\endcsname\HoLogo@LaTeXTeX
842
843 \def\HoLogo@XeTeX#1{\Xe\kern\xl@kern@XeTeX@eT\TeX}
844
845 \def\HoLogo@XeLaTeX#1{\Xe\kern\xl@kern@XeLaTeX@eL\LaTeX}
846
847 }
848 {}% hologo not loaded
849
850}% AtBeginDocument
```

A Change History

v1.00		Inria, Inter, MLModern, Nunito,	
General: 2019/01/20 Initial version. . .	1	Oswald.	1
v1.01		Improved TOC change log and	
General: 2023/01/03	1	index entries.	1
Docs adjusted for dtxdescribe. . . .	1	Warning if font was not found. . .	17
Updated L ^A T _E X Font Catalog		\autoadjustlogos: Updated many	
website.	1	fonts for changed family names. .	18
v1.02		Warning if font was not found. . .	24
General: 2024/01/12	1	\MLX@@detectvariant: Warning if	
Updated contact info.	1	font was not found.	17
v1.03		v1.04	
General: 2024/01/19	1	General: 2024/01/26	1
Added Atkinson Hyperlegible,		Added support for hologo,	
Charis SIL, Cuprum, Eczar, Ibarra,		hvlogos.	25

B Index

A		D	
accanthis (option)	5	default (option)	5
\adjustlogos	3, 444	didot (option)	8
alegreya (option)	5	drm (option)	16
algolrevived (option)	6	droidsans (option)	9
antiqua (option)	16	droidserif (option)	9
antpolt (option)	6		
anttior (option)	16	G	
artemisia (option)	16	garamond (option)	16
\autoadjustlogos	4, 474	gentium (option)	9
\autoadjustlogos_*	4		
avantgarde (option)	6	H	
		helvetica (option)	9
B		I	
baskerville (option)	6	imfellenglish (option)	16
berenis (option)	7		
bodoni (option)	7	K	
boisik (option)	7	kerkis (option)	10
bookman (option)	7	kpfonts (option)	10
Booleans:			
MLX@@foundfont	17	L	
C		libertine (option)	10
caladea (option)	16	libertinus (option)	10
caslon (option)	16	librebodoni (option)	11
charter (option)	8	literat (option)	17
cochineal (option)	16	lmodern (option)	11
coelacanth (option)	8	lmodernsans (option)	11
concmath (option)	16	M	
crimson (option)	8	merriweather (option)	11
		metalogox (package)	3

\MLX@@detectone	461	plexsans	13
\MLX@@detectvariant	454	plexserif	13
MLX@@foundfont (boolean)	17	quattrocento	13
N			
newcent (option)	12	roboto	17
noto (option)	12	romande	17
O			
Options:		sourcesanspro	14
accanthis	5	sourceserifpro	14
alegreya	5	tgbonum	15
algolrevived	6	tgheros	15
antiqua	16	tgpagella	15
antpolt	6	tgschola	16
anttor	16	tgterms	16
artemisla	16	times	14
avantgarde	6	utopia	14
baskerville	6	venturis	14
berenis	7	vera	15
bodoni	7	verasans	15
boisik	7	P	
bookman	7	Packages:	
caladea	16	metalogox	3
caslon	16	palatino (option)	12
charter	8	pandora (option)	12
cochineal	16	paratype (option)	13
coelacanth	8	plexsans (option)	13
concmath	16	plexserif (option)	13
crimson	8	Q	
default	5	quattrocento (option)	13
didot	8	R	
drm	16	roboto (option)	17
droidsans	9	romande (option)	17
droidserif	9	S	
garamond	16	sourcesanspro (option)	14
gentium	9	sourceserifpro (option)	14
helvetica	9	T	
imfellenglish	16	tgbonum (option)	15
kerkis	10	tgheros (option)	15
kpfonts	10	tgpagella (option)	15
libertine	10	tgschola (option)	16
libertinus	10	tgterms (option)	16
librebodoni	11	times (option)	14
literat	17	U	
lmodern	11	utopia (option)	14
lmodernsans	11	V	
merriweather	11	venturis (option)	14
newcent	12	vera (option)	15
noto	12	verasans (option)	15
palatino	12		
pandora	12		
paratype	13		