

The hologo package

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Abstract

This package starts a collection of logos with support for bookmarks strings.

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*Please report any issues at <https://github.com/ho-tex/hologo/issues>

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1 Documentation

1.1 Logo macros

`\hologo {<name>}`

Macro `\hologo` sets the logo with name *<name>*. The following table shows the supported names.

name	variant	logo	since
(La)TeX		(L ^A)T _E X	2011/10/01
AmSLaTeX		$\mathcal{A}\mathcal{M}\mathcal{S}$ -L ^A T _E X	2010/04/16
AmSTeX		$\mathcal{A}\mathcal{M}\mathcal{S}$ -T _E X	2010/04/16
biber		biber	2011/10/01
BibTeX		BIB _T E _X	2011/10/01
BibTeX	sf	BIB _T E _X	2011/10/01
BibTeX	sc	BIB _T E _X	2011/10/01
BibTeX8		BIB _T E _X 8	2011/11/22
ConTeXt		Con _T E _X t	2011/03/25
ConTeXt	narrow	Con _T E _X t	2011/03/25
ConTeXt	simple	Con _T E _X t	2011/03/25
emTeX		em _T E _X	2010/04/26
eTeX		ε -T _E X	2010/04/08
ExTeX		ε_X T _E X	2011/10/01
HanTheThanh		Hàn Thế Thành	2011/11/29
iniTeX		ini _T E _X	2011/10/01
KOMAScript		KOMA-Script	2011/10/01
La		L ^A	2010/05/08
LaTeX		L ^A T _E X	2010/04/08
LaTeX2e		L ^A T _E X 2 _{ε}	2010/04/08
LaTeX3		L ^A T _E X3	2010/04/24
LaTeXe		L ^A T _E X 2 _{ε}	2010/04/08
LaTeXML		L ^A T _E X _{ML}	2011/11/22
LaTeXTeX		(L ^A)T _E X	2011/10/01
LuaLaTeX		Lua ^L A ^A T _E X	2010/04/08
LuaTeX		Lua _T E _X	2010/04/08
LyX		L _Y X	2011/10/01
METAFONT		METAFONT	2011/10/01
MetaFun		MetaFun	2011/10/01
METAPOST		METAPOST	2011/10/01
MetaPost		MetaPost	2011/10/01
MiKTeX		MiK _T E _X	2011/10/01
NTS		$\mathcal{N}\mathcal{T}\mathcal{S}$	2011/10/01
OzMF		OzMF	2011/10/01
OzMP		OzMP	2011/10/01
OzTeX		Oz _T E _X	2011/10/01

name	variant	logo	since
OzTtH		OzTtH	2011/10/01
PCTeX		PCT _{EX}	2011/10/01
pdfTeX		pdf _{TE} X	2011/10/01
pdfLaTeX		pdf _{LA} TeX	2011/10/01
PiC		PiC	2011/10/01
PiCTeX		PiC _{TE} X	2011/10/01
plainTeX		plain _{TE} X	2010/04/08
plainTeX	space	plain _{TE} X	2010/04/16
plainTeX	hyphen	plain- _{TE} X	2010/04/16
plainTeX	runtogether	plain _{TE} X	2010/04/16
SageTeX		Sage _{TE} X	2011/11/22
SLiTeX		SU _{TE} X	2011/10/01
SLiTeX	lift	SU _{TE} X	2011/10/01
SLiTeX	narrow	SLi _{TE} X	2011/10/01
SLiTeX	simple	SLi _{TE} X	2011/10/01
SliTeX		SU _{TE} X	2011/10/01
SliTeX	narrow	SLi _{TE} X	2011/10/01
SliTeX	simple	SLi _{TE} X	2011/10/01
SliTeX	lift	SU _{TE} X	2011/10/01
teTeX		te _{TE} X	2011/10/01
TeX		_{TE} X	2010/04/08
TeX4ht		_{TE} X4ht	2011/11/22
TTH		T _T H	2011/11/22
virTeX		vir _{TE} X	2011/10/01
VTeX		V _{TE} X	2010/04/24
Xe		X _E	2010/04/08
XeLaTeX		X _E _{LA} TeX	2010/04/08
XeTeX		X _E _{TE} X	2010/04/08

`\Hologo {name}`

Macro `\Hologo` starts the logo *name* with an uppercase letter. As an exception small greek letters are not converted to uppercase. Examples, see ε -_{TE}X and ε_X _{TE}X.

1.2 Setup macros

The package does not support package options, but the following setup macros can be used to set options.

`\holoLogoSetup {key value list}`

Macro `\holoLogoSetup` sets global options.

`\holoLogoSetup {logo} {key value list}`

Some options can also be used to configure a logo. These settings take precedence over global option settings.

1.3 Options

There are boolean and string options:

Boolean option: It takes `true` or `false` as value. If the value is omitted, then `true` is used.

String option: A value must be given as string. (But the string might be empty.)

The following options can be used both in `\hologoSetup` and `\hologoLogoSetup`:

break: enables or disables line breaks inside the logo. This setting is refined by options `hyphenbreak`, `spacebreak` or `discretionarybreak`. Default is `false`.

hyphenbreak: enables or disables the line break right after the hyphen character.

spacebreak: enables or disables line breaks at space characters.

discretionarybreak: enables or disables line breaks at hyphenation points (inserted by `\-`).

Macro `\hologoLogoSetup` also knows:

variant: This is a string option. It specifies a variant of a logo that must exist. An empty string selects the package default variant.

Example:

```
\hologoSetup{break=false}
\hologoLogoSetup{plainTeX}{variant=hyphen,hyphenbreak}
Then "plain-TeX" contains one break point after the hyphen.
```

1.4 Driver options

Sometimes graphical operations are needed to construct some glyphs (e.g. $X_{\text{T}}^{\text{TeX}}$). If package `graphics` or package `pgf` are found, then the macros are taken from there. Otherwise the package defines its own operations and therefore needs the driver information. Many drivers are detected automatically (`pdfTeX/LuaTeX` in PDF mode, `XTTeX`, `VTeX`). These have precedence over a driver option. The driver can be given as package option or using `\hologoDriverSetup`. The following list contains the recognized driver options:

- `pdftex`, `luatex`
- `dvipdfm`, `dvipdfmx`
- `dvips`, `dvipsone`, `xdvi`
- `xetex`
- `vtex`

The left driver of a line is the driver name that is used internally. The following names are aliases for drivers that use the same method. Therefore the entry in the `.log` file for the used driver prints the internally used driver name.

driverfallback: This option expects a driver that is used, if the driver could not be detected automatically.

`\hologoDriverSetup {(driver option)}`

The driver can also be configured after package loading using `\hologoDriverSetup`, also the way for plain `TeX` to setup the driver.

1.5 Font setup

Some logos require a special font, but should also be usable by plain $\text{T}_{\text{E}}\text{X}$. Therefore the package provides some ways to influence the font settings. The options below take font settings as values. Both font commands such as $\backslash\text{sffamily}$ and macros that take one argument like $\backslash\text{textsf}$ can be used.

$\backslash\text{holoFontSetup} \{ \langle \textit{key value list} \rangle \}$

Macro $\backslash\text{holoFontSetup}$ sets the fonts for all logos. Supported keys:

general: This font is used for all logos. The default is empty. That means no special font is used.

bibsf: This font is used for $\text{BibT}_{\text{E}}\text{X}$ with variant *sf*.

rm: This font is a serif font. It is used for $\text{ExT}_{\text{E}}\text{X}$.

sc: This font specifies a small caps font. It is used for $\text{BibT}_{\text{E}}\text{X}$ with variant *sc*.

sf: This font specifies a sans serif font. The default is $\backslash\text{sffamily}$, then $\backslash\text{sf}$ is tried. Otherwise a warning is given. It is used by KOMA-Script.

sy: This is the font for math symbols (e.g. *cmsy*). It is used by $\mathcal{A}\mathcal{M}\mathcal{S}$, $\mathcal{N}\mathcal{T}\mathcal{S}$, $\text{ExT}_{\text{E}}\text{X}$.

logo: METAFONT and METAPOST are using that font. In $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ $\backslash\text{logofamily}$ is used and the definitions of package *mflogo* are used if the package is not loaded. Otherwise the $\backslash\text{tenlogo}$ is used and defined if it does not already exist.

$\backslash\text{holoLogoFontSetup} \{ \langle \textit{logo} \rangle \} \{ \langle \textit{key value list} \rangle \}$

Fonts can also be set for a logo or logo component separately, see the following list. The keys are the same as for $\backslash\text{holoFontSetup}$.

$\langle \textit{logo} \rangle$	keys	result
$\text{BibT}_{\text{E}}\text{X}$	bibsf	$\text{BibT}_{\text{E}}\text{X}$
$\text{BibT}_{\text{E}}\text{X}$	sc	$\text{BibT}_{\text{E}}\text{X}$
$\text{ExT}_{\text{E}}\text{X}$	rm	$\text{ExT}_{\text{E}}\text{X}$
$\text{Slit}_{\text{E}}\text{X}$	rm	$\text{Slit}_{\text{E}}\text{X}$
AmS	sy	$\mathcal{A}\mathcal{M}\mathcal{S}$
$\text{ExT}_{\text{E}}\text{X}$	sy	$\text{ExT}_{\text{E}}\text{X}$
NTS	sy	$\mathcal{N}\mathcal{T}\mathcal{S}$
KOMAScript	sf	KOMA-Script
METAFONT	logo	METAFONT
METAPOST	logo	METAPOST
$\text{Slit}_{\text{E}}\text{X}$	sc $\text{Slit}_{\text{E}}\text{X}$	

1.5.1 Font order

For all logos the font *general* is applied first. Example:

```
 $\backslash\text{holoFontSetup}\{\text{general}=\backslash\text{color}\{\text{red}\}\}$ 
```

will print red logos. Then if the font uses a special font `sf`, for example, the font is applied that is setup by `\hologoLogoFontSetup`. If this font is not setup, then the common font setup by `\hologoFontSetup` is used. Otherwise a warning is given, that there is no font configured.

1.6 Additional user macros

Usually a variant of a logo is configured by using `\hologoLogoSetup`, because it is bad style to mix different variants of the same logo in the same text. There the following macros are a convenience for testing.

<pre>\hologoVariant {<name>} {<variant>} \HologoVariant {<name>} {<variant>}</pre>
--

Logo `<name>` is set using `<variant>` that specifies explicitly which variant of the macro is used. If the argument is empty, then the default form of the logo is used (configurable by `\hologoLogoSetup`).

`\HologoVariant` is used if the logo is set in a context that needs an uppercase first letter (beginning of a sentence, ...).

<pre>\hologoList \hologoEntry {<logo>} {<variant>} {<since>}</pre>
--

Macro `\hologoList` contains all logos that are provided by the package including variants. The list consists of calls of `\hologoEntry` with three arguments starting with the logo name `<logo>` and its variant `<variant>`. An empty variant means the current default. Argument `<since>` specifies with version of the package `hologo` is needed to get the logo. If the logo is fixed, then the date gets updated. Therefore the date `<since>` is not exactly the date of the first introduction, but rather the date of the latest fix.

Before `\hologoList` can be used, macro `\hologoEntry` needs a definition. The example file in section 1.8 shows applications of `\hologoList`.

1.7 Supported contexts

Macros `\hologo` and friends support special contexts:

- L^AT_EX's protection mechanism.
- Bookmarks of package `hyperref`.
- Package `tex4ht`.
- The macros can be used inside `\csname` constructs, if `\ifincsname` is available (pdf_TE_X, X_T_TE_X, Lua_TE_X).

1.8 Example

The following example prints the logos in different fonts.

```
1 <*example>
2 %<<verbatim
3 \NeedsTeXFormat{LaTeX2e}
4 \documentclass[a4paper]{article}
5 \usepackage[
6   hmargin=20mm,
```

```

7   vmargin=20mm,
8 ]{geometry}
9 \pagestyle{empty}
10 \usepackage{hologo}[2019/12/05]
11 \usepackage{longtable}
12 \usepackage{array}
13 \setlength{\extrarowheight}{2pt}
14 \usepackage[T1]{fontenc}
15 \usepackage{lmodern}
16 \usepackage{pdflscape}
17 \usepackage[
18   pdfencoding=auto,
19 ]{hyperref}
20 \hypersetup{
21   pdfauthor={Heiko Oberdiek},
22   pdftitle={Example for package 'hologo'},
23   pdfsubject={Logos with fonts lmr, lmss, qtm, qpl, qhv},
24 }
25 \usepackage{bookmark}
26
27 % Print the logo list on the console
28
29 \begingroup
30 \typeout{%
31 \typeout{*** Begin of logo list ***}%
32 \newcommand*\hologoEntry[3]{%
33   \typeout{#1 \ifx\#2\\\else(#2) \fi[#3]}%
34 }%
35 \hologoList
36 \typeout{*** End of logo list ***}%
37 \typeout{%
38 \endgroup
39
40 \begin{document}
41 \begin{landscape}
42
43 \section{Example file for package 'hologo'}
44
45 % Table for font names
46
47 \begin{longtable}>{\bfseries}ll}
48   \textbf{font} & \textbf{Font name}\\
49   \hline
50   lmr & Latin Modern Roman\\
51   lmss & Latin Modern Sans\\
52   qtm & \TeX\ Gyre Termes\\
53   qhv & \TeX\ Gyre Heros\\
54   qpl & \TeX\ Gyre Pagella\\
55 \end{longtable}
56
57 % Logo list with logos in different fonts
58
59 \begingroup
60 \newcommand*\SetVariant[2]{%
61   \ifx\#2\\%
62   \else
63     \hologoLogoSetup{#1}{variant=#2}%
64   \fi

```



```

65 }%
66 \newcommand*{\hologoEntry}[3]{%
67   \SetVariant{#1}{#2}%
68   \raisebox{1em}[Opt][Opt]{\hypertarget{#1@#2}{}}%
69   \bookmark[%
70     dest={#1@#2},%
71   ]{%
72     #1\ifx\#2\\else\space(#2)\fi: \Hologo{#1}, \hologo{#1} %
73     [Unicode]%
74   }%
75   \hypersetup{unicode=false}%
76   \bookmark[%
77     dest={#1@#2},%
78   ]{%
79     #1\ifx\#2\\else\space(#2)\fi: \Hologo{#1}, \hologo{#1} %
80     [PDFDocEncoding]%
81   }%
82   \texttt{#1}%
83   &%
84   \texttt{#2}%
85   &%
86   \Hologo{#1}%
87   &%
88   \SetVariant{#1}{#2}%
89   \hologo{#1}%
90   &%
91   \SetVariant{#1}{#2}%
92   \fontfamily{qtm}\selectfont
93   \hologo{#1}%
94   &%
95   \SetVariant{#1}{#2}%
96   \fontfamily{qpl}\selectfont
97   \hologo{#1}%
98   &%
99   \SetVariant{#1}{#2}%
100  \textsf{\hologo{#1}}%
101  &%
102  \SetVariant{#1}{#2}%
103  \fontfamily{qhv}\selectfont
104  \hologo{#1}%
105  \tabularnewline
106 }%
107 \begin{longtable}{lllllllll}%
108   \textbf{\textit{logo}} & \textbf{\textit{variant}} &
109   \texttt{\string\Hologo} &
110   \textbf{lmr} & \textbf{qtm} & \textbf{qpl} &
111   \textbf{lms} & \textbf{qhv}
112   \tabularnewline
113   \hline
114   \endhead
115   \hologoList
116 \end{longtable}%
117 \endgroup
118
119 \end{landscape}
120 \end{document}
121 %verbatim
122 </example>

```

2 Implementation

```
123 (*package)
Reload check, especially if the package is not used with LATEX.
124 \begingroup\catcode61\catcode48\catcode32=10\relax%
125 \catcode13=5 % ^^M
126 \endlinechar=13 %
127 \catcode35=6 % #
128 \catcode39=12 % '
129 \catcode44=12 % ,
130 \catcode45=12 % -
131 \catcode46=12 % .
132 \catcode58=12 % :
133 \catcode64=11 % @
134 \catcode123=1 % {
135 \catcode125=2 % }
136 \expandafter\let\expandafter\x\csname ver@hologo.sty\endcsname
137 \ifx\x\relax % plain-TeX, first loading
138 \else
139 \def\empty{}%
140 \ifx\x\empty % LaTeX, first loading,
141 % variable is initialized, but \ProvidesPackage not yet seen
142 \else
143 \expandafter\ifx\csname PackageInfo\endcsname\relax
144 \def\x#1#2{%
145 \immediate\write-1{Package #1 Info: #2.}%
146 }%
147 \else
148 \def\x#1#2{\PackageInfo{#1}{#2, stopped}}%
149 \fi
150 \x{hologo}{The package is already loaded}%
151 \aftergroup\endinput
152 \fi
153 \fi
154 \endgroup%
```

Package identification:

```
155 \begingroup\catcode61\catcode48\catcode32=10\relax%
156 \catcode13=5 % ^^M
157 \endlinechar=13 %
158 \catcode35=6 % #
159 \catcode39=12 % '
160 \catcode40=12 % (
161 \catcode41=12 % )
162 \catcode44=12 % ,
163 \catcode45=12 % -
164 \catcode46=12 % .
165 \catcode47=12 % /
166 \catcode58=12 % :
167 \catcode64=11 % @
168 \catcode91=12 % [
169 \catcode93=12 % ]
170 \catcode123=1 % {
171 \catcode125=2 % }
172 \expandafter\ifx\csname ProvidesPackage\endcsname\relax
173 \def\x#1#2#3[#4]{\endgroup
174 \immediate\write-1{Package: #3 #4}%
175 \xdef#1{#4}%
176 }%
```

```

177 \else
178   \def\x#1#2[#3]{\endgroup
179     #2[#3]}%
180   \ifx#1\undefined
181     \xdef#1[#3]%
182   \fi
183   \ifx#1\relax
184     \xdef#1[#3]%
185   \fi
186   }%
187 \fi
188 \expandafter\x\csname ver@hologo.sty\endcsname
189 \ProvidesPackage{hologo}%
190 [2019/12/05 v1.14 A logo collection with bookmark support (H0)]%
191 \begingroup\catcode61\catcode48\catcode32=10\relax%
192 \catcode13=5 % ^^M
193 \endlinechar=13 %
194 \catcode123=1 % {
195 \catcode125=2 % }
196 \catcode64=11 % @
197 \def\x{\endgroup
198   \expandafter\edef\csname HOLOGO@AtEnd\endcsname{%
199     \endlinechar=\the\endlinechar\relax
200     \catcode13=\the\catcode13\relax
201     \catcode32=\the\catcode32\relax
202     \catcode35=\the\catcode35\relax
203     \catcode61=\the\catcode61\relax
204     \catcode64=\the\catcode64\relax
205     \catcode123=\the\catcode123\relax
206     \catcode125=\the\catcode125\relax
207   }%
208 }%
209 \x\catcode61\catcode48\catcode32=10\relax%
210 \catcode13=5 % ^^M
211 \endlinechar=13 %
212 \catcode35=6 % #
213 \catcode64=11 % @
214 \catcode123=1 % {
215 \catcode125=2 % }
216 \def\TMP@EnsureCode#1#2{%
217   \edef\HOLOGO@AtEnd{%
218     \HOLOGO@AtEnd
219     \catcode#1=\the\catcode#1\relax
220   }%
221   \catcode#1=#2\relax
222 }
223 \TMP@EnsureCode{10}{12}% ^^J
224 \TMP@EnsureCode{33}{12}% !
225 \TMP@EnsureCode{34}{12}% "
226 \TMP@EnsureCode{36}{3}% $
227 \TMP@EnsureCode{38}{4}% &
228 \TMP@EnsureCode{39}{12}% '
229 \TMP@EnsureCode{40}{12}% (
230 \TMP@EnsureCode{41}{12}% )
231 \TMP@EnsureCode{42}{12}% *
232 \TMP@EnsureCode{43}{12}% +
233 \TMP@EnsureCode{44}{12}% ,
234 \TMP@EnsureCode{45}{12}% -

```

```

235 \TMP@EnsureCode{46}{12}% .
236 \TMP@EnsureCode{47}{12}% /
237 \TMP@EnsureCode{58}{12}% :
238 \TMP@EnsureCode{59}{12}% ;
239 \TMP@EnsureCode{60}{12}% <
240 \TMP@EnsureCode{62}{12}% >
241 \TMP@EnsureCode{63}{12}% ?
242 \TMP@EnsureCode{91}{12}% [
243 \TMP@EnsureCode{93}{12}% ]
244 \TMP@EnsureCode{94}{7}% ^ (superscript)
245 \TMP@EnsureCode{95}{8}% _ (subscript)
246 \TMP@EnsureCode{96}{12}% ‘
247 \TMP@EnsureCode{124}{12}% |
248 \edef\Hologo@AtEnd{%
249   \Hologo@AtEnd
250   \escapechar\the\escapechar\relax
251   \noexpand\endinput
252 }
253 \escapechar=92 %

```

2.1 Logo list

\hologoList

```

254 \def\hologoList{%
255   \hologoEntry{(La)TeX}{-}{2011/10/01}%
256   \hologoEntry{AmSLaTeX}{-}{2010/04/16}%
257   \hologoEntry{AmSTeX}{-}{2010/04/16}%
258   \hologoEntry{biber}{-}{2011/10/01}%
259   \hologoEntry{BibTeX}{-}{2011/10/01}%
260   \hologoEntry{BibTeX}{sf}{2011/10/01}%
261   \hologoEntry{BibTeX}{sc}{2011/10/01}%
262   \hologoEntry{BibTeX8}{-}{2011/11/22}%
263   \hologoEntry{ConTeXt}{-}{2011/03/25}%
264   \hologoEntry{ConTeXt}{narrow}{2011/03/25}%
265   \hologoEntry{ConTeXt}{simple}{2011/03/25}%
266   \hologoEntry{emTeX}{-}{2010/04/26}%
267   \hologoEntry{eTeX}{-}{2010/04/08}%
268   \hologoEntry{ExTeX}{-}{2011/10/01}%
269   \hologoEntry{HanTheThanh}{-}{2011/11/29}%
270   \hologoEntry{iniTeX}{-}{2011/10/01}%
271   \hologoEntry{KOMAScript}{-}{2011/10/01}%
272   \hologoEntry{La}{-}{2010/05/08}%
273   \hologoEntry{LaTeX}{-}{2010/04/08}%
274   \hologoEntry{LaTeX2e}{-}{2010/04/08}%
275   \hologoEntry{LaTeX3}{-}{2010/04/24}%
276   \hologoEntry{LaTeXe}{-}{2010/04/08}%
277   \hologoEntry{LaTeXML}{-}{2011/11/22}%
278   \hologoEntry{LaTeXTeX}{-}{2011/10/01}%
279   \hologoEntry{LuaLaTeX}{-}{2010/04/08}%
280   \hologoEntry{LuaTeX}{-}{2010/04/08}%
281   \hologoEntry{LyX}{-}{2011/10/01}%
282   \hologoEntry{METAFONT}{-}{2011/10/01}%
283   \hologoEntry{MetaFun}{-}{2011/10/01}%
284   \hologoEntry{METAPOST}{-}{2011/10/01}%
285   \hologoEntry{MetaPost}{-}{2011/10/01}%
286   \hologoEntry{MiKTeX}{-}{2011/10/01}%
287   \hologoEntry{NTS}{-}{2011/10/01}%
288   \hologoEntry{OzMF}{-}{2011/10/01}%
289   \hologoEntry{OzMP}{-}{2011/10/01}%

```

```

290 \hologoEntry{OzTeX}{-}{2011/10/01}%
291 \hologoEntry{OzTtH}{-}{2011/10/01}%
292 \hologoEntry{PCTeX}{-}{2011/10/01}%
293 \hologoEntry{pdfTeX}{-}{2011/10/01}%
294 \hologoEntry{pdfLaTeX}{-}{2011/10/01}%
295 \hologoEntry{PiC}{-}{2011/10/01}%
296 \hologoEntry{PiCTeX}{-}{2011/10/01}%
297 \hologoEntry{plainTeX}{-}{2010/04/08}%
298 \hologoEntry{plainTeX}{space}{2010/04/16}%
299 \hologoEntry{plainTeX}{hyphen}{2010/04/16}%
300 \hologoEntry{plainTeX}{runtogether}{2010/04/16}%
301 \hologoEntry{SageTeX}{-}{2011/11/22}%
302 \hologoEntry{SLiTeX}{-}{2011/10/01}%
303 \hologoEntry{SLiTeX}{lift}{2011/10/01}%
304 \hologoEntry{SLiTeX}{narrow}{2011/10/01}%
305 \hologoEntry{SLiTeX}{simple}{2011/10/01}%
306 \hologoEntry{SliTeX}{-}{2011/10/01}%
307 \hologoEntry{SliTeX}{narrow}{2011/10/01}%
308 \hologoEntry{SliTeX}{simple}{2011/10/01}%
309 \hologoEntry{SliTeX}{lift}{2011/10/01}%
310 \hologoEntry{teTeX}{-}{2011/10/01}%
311 \hologoEntry{TeX}{-}{2010/04/08}%
312 \hologoEntry{TeX4ht}{-}{2011/11/22}%
313 \hologoEntry{TTH}{-}{2011/11/22}%
314 \hologoEntry{virTeX}{-}{2011/10/01}%
315 \hologoEntry{VTeX}{-}{2010/04/24}%
316 \hologoEntry{Xe}{-}{2010/04/08}%
317 \hologoEntry{XeLaTeX}{-}{2010/04/08}%
318 \hologoEntry{XeTeX}{-}{2010/04/08}%
319 }

```

2.2 Load resources

```

320 \begingroup\expandafter\expandafter\expandafter\endgroup
321 \expandafter\ifx\csname RequirePackage\endcsname\relax
322   \def\TMP@RequirePackage#1[#2]{%
323     \begingroup\expandafter\expandafter\expandafter\endgroup
324     \expandafter\ifx\csname ver@#1.sty\endcsname\relax
325       \input #1.sty\relax
326     \fi
327   }%
328   \TMP@RequirePackage{ltxcms}[2011/02/04]%
329   \TMP@RequirePackage{infwarerr}[2010/04/08]%
330   \TMP@RequirePackage{kvsetkeys}[2010/03/01]%
331   \TMP@RequirePackage{kvdefinekeys}[2010/03/01]%
332   \TMP@RequirePackage{pdftexcmds}[2010/04/01]%
333   \TMP@RequirePackage{iftex}[2019/11/07]%
334   \ltx@ifundefined{newif}{%
335     \expandafter\let\csname newif\endcsname\ltx@newif
336   }{}%
337 \else
338   \RequirePackage{ltxcms}[2011/02/04]%
339   \RequirePackage{infwarerr}[2010/04/08]%
340   \RequirePackage{kvsetkeys}[2010/03/01]%
341   \RequirePackage{kvdefinekeys}[2010/03/01]%
342   \RequirePackage{pdftexcmds}[2010/04/01]%
343   \RequirePackage{iftex}[2019/11/07]%
344 \fi

```

\HOLOGO@IfDefined

```
345 \def\HOLOGO@IfExists#1{%
346   \ifx\@undefined#1%
347     \expandafter\ltx@secondoftwo
348   \else
349     \ifx\relax#1%
350       \expandafter\ltx@secondoftwo
351     \else
352       \expandafter\expandafter\expandafter\ltx@firstoftwo
353     \fi
354   \fi
355 }
```

2.3 Setup macros

\hologoSetup

```
356 \def\hologoSetup{%
357   \let\HOLOGO@name\relax
358   \HOLOGO@Setup
359 }
```

\hologoLogoSetup

```
360 \def\hologoLogoSetup#1{%
361   \edef\HOLOGO@name{#1}%
362   \ltx@ifundefined{HoLogo@\HOLOGO@name}{%
363     \@PackageError{hologo}{%
364       Unknown logo '\HOLOGO@name'%
365     }\@ehc
366     \ltx@gobble
367   }{%
368     \HOLOGO@Setup
369   }%
370 }
```

\HOLOGO@Setup

```
371 \def\HOLOGO@Setup{%
372   \kvsetkeys{HoLogo}%
373 }
```

2.4 Options

\HOLOGO@DeclareBoolOption

```
374 \def\HOLOGO@DeclareBoolOption#1{%
375   \expandafter\chardef\csname HOLOGOOPT@#1\endcsname\ltx@zero
376   \kv@define@key{HoLogo}{#1}[true]{%
377     \def\HOLOGO@temp{##1}%
378     \ifx\HOLOGO@temp\HOLOGO@true
379       \ifx\HOLOGO@name\relax
380         \expandafter\chardef\csname HOLOGOOPT@#1\endcsname=\ltx@one
381       \else
382         \expandafter\chardef\csname
383           HoLogoOpt@#1@\HOLOGO@name\endcsname\ltx@one
384       \fi
385       \HOLOGO@SetBreakAll{#1}%
386     \else
387       \ifx\HOLOGO@temp\HOLOGO@false
388         \ifx\HOLOGO@name\relax
```

```

389     \expandafter\chardef\csname HOLOGOOPT@#1\endcsname=\ltx@zero
390   \else
391     \expandafter\chardef\csname
392       HoLogoOpt@#1@HOLOGO@name\endcsname=\ltx@zero
393   \fi
394   \HOLOGO@SetBreakAll{#1}%
395 \else
396   \@PackageError{hologo}{%
397     Unknown value ‘#1’ for boolean option ‘#1’.\MessageBreak
398     Known values are ‘true’ and ‘false’%
399   }\@ehc
400 \fi
401 \fi
402 }%
403 }

```

\HOLOGO@SetBreakAll

```

404 \def\HOLOGO@SetBreakAll#1{%
405   \def\HOLOGO@temp{#1}%
406   \ifx\HOLOGO@temp\HOLOGO@break
407     \ifx\HOLOGO@name\relax
408       \chardef\HOLOGOOPT@hyphenbreak=\HOLOGOOPT@break
409       \chardef\HOLOGOOPT@spacebreak=\HOLOGOOPT@break
410       \chardef\HOLOGOOPT@discretionarybreak=\HOLOGOOPT@break
411     \else
412       \expandafter\chardef
413         \csname HoLogoOpt@hyphenbreak@\HOLOGO@name\endcsname=%
414         \csname HoLogoOpt@break@\HOLOGO@name\endcsname
415       \expandafter\chardef
416         \csname HoLogoOpt@spacebreak@\HOLOGO@name\endcsname=%
417         \csname HoLogoOpt@break@\HOLOGO@name\endcsname
418       \expandafter\chardef
419         \csname HoLogoOpt@discretionarybreak@\HOLOGO@name
420           \endcsname=%
421         \csname HoLogoOpt@break@\HOLOGO@name\endcsname
422     \fi
423 \fi
424 }

```

\HOLOGO@true

```
425 \def\HOLOGO@true{true}
```

\HOLOGO@false

```
426 \def\HOLOGO@false{false}
```

\HOLOGO@break

```

427 \def\HOLOGO@break{break}

428 \HOLOGO@DeclareBoolOption{break}
429 \HOLOGO@DeclareBoolOption{hyphenbreak}
430 \HOLOGO@DeclareBoolOption{spacebreak}
431 \HOLOGO@DeclareBoolOption{discretionarybreak}

432 \kv@define@key{HoLogo}{variant}{%
433   \ifx\HOLOGO@name\relax
434     \@PackageError{hologo}{%
435       Option ‘variant’ is not available in \string\hologoSetup,%
436       \MessageBreak
437       Use \string\hologoLogoSetup\space instead%

```

```

438   }\@ehc
439 \else
440   \edef\HOLOGO@temp{#1}%
441   \ifx\HOLOGO@temp\ltx@empty
442     \expandafter
443     \let\csname HoLogoOpt@variant@\HOLOGO@name\endcsname\@undefined
444   \else
445     \ltx@ifundefined{HoLogo@\HOLOGO@name @\HOLOGO@temp}{%
446       \@PackageError{hologo}{%
447         Unknown variant '\HOLOGO@temp' of logo '\HOLOGO@name'%
448       }\@ehc
449     }{%
450       \expandafter
451       \let\csname HoLogoOpt@variant@\HOLOGO@name\endcsname
452         \HOLOGO@temp
453     }%
454   \fi
455 \fi
456 }

```

\HOLOGO@Variant

```

457 \def\HOLOGO@Variant#1{%
458   #1%
459   \ltx@ifundefined{HoLogoOpt@variant@#1}{%
460     }{%
461     \@csname HoLogoOpt@variant@#1\endcsname
462   }%
463 }

```

2.5 Break/no-break support

\HOLOGO@space

```

464 \def\HOLOGO@space{%
465   \ltx@ifundefined{HoLogoOpt@spacebreak@\HOLOGO@name}{%
466     \ltx@ifundefined{HoLogoOpt@break@\HOLOGO@name}{%
467       \chardef\HOLOGO@temp=\HOLOGO@spacebreak
468     }{%
469       \chardef\HOLOGO@temp=%
470       \csname HoLogoOpt@break@\HOLOGO@name\endcsname
471     }%
472   }{%
473     \chardef\HOLOGO@temp=%
474     \csname HoLogoOpt@spacebreak@\HOLOGO@name\endcsname
475   }%
476   \ifcase\HOLOGO@temp
477     \penalty10000 %
478   \fi
479   \ltx@space
480 }

```

\HOLOGO@hyphen

```

481 \def\HOLOGO@hyphen{%
482   \ltx@ifundefined{HoLogoOpt@hyphenbreak@\HOLOGO@name}{%
483     \ltx@ifundefined{HoLogoOpt@break@\HOLOGO@name}{%
484       \chardef\HOLOGO@temp=\HOLOGO@hyphenbreak
485     }{%
486       \chardef\HOLOGO@temp=%
487       \csname HoLogoOpt@break@\HOLOGO@name\endcsname

```



```

488   }%
489 }{%
490   \chardef\HLOGO@temp=%
491   \csname HoLogoOpt@hyphenbreak@\HLOGO@name\endcsname
492 }%
493 \ifcase\HLOGO@temp
494   \ltx@mbox{-}%
495 \else
496   -%
497 \fi
498 }

```

\HLOGO@discretionary

```

499 \def\HLOGO@discretionary{%
500   \ltx@ifundefined{HoLogoOpt@discretionarybreak@\HLOGO@name}{%
501     \ltx@ifundefined{HoLogoOpt@break@\HLOGO@name}{%
502       \chardef\HLOGO@temp=\HLOGO@OPT@discretionarybreak
503     }{%
504       \chardef\HLOGO@temp=%
505       \csname HoLogoOpt@break@\HLOGO@name\endcsname
506     }%
507   }{%
508     \chardef\HLOGO@temp=%
509     \csname HoLogoOpt@discretionarybreak@\HLOGO@name\endcsname
510   }%
511   \ifcase\HLOGO@temp
512   \else
513     \-%
514   \fi
515 }

```

\HLOGO@mbox

```

516 \def\HLOGO@mbox#1{%
517   \ltx@ifundefined{HoLogoOpt@break@\HLOGO@name}{%
518     \chardef\HLOGO@temp=\HLOGO@OPT@hyphenbreak
519   }{%
520     \chardef\HLOGO@temp=%
521     \csname HoLogoOpt@break@\HLOGO@name\endcsname
522   }%
523   \ifcase\HLOGO@temp
524     \ltx@mbox{#1}%
525   \else
526     #1%
527   \fi
528 }

```

2.6 Font support

```

#1: logo name
#2: font short name
#3: text
\HoLogoFont@font
529 \def\HoLogoFont@font#1#2#3{%
530   \begingroup
531   \ltx@ifundefined{HoLogoFont@logo@#1.#2}{%
532     \ltx@ifundefined{HoLogoFont@font@#2}{%
533       \@PackageWarning{hologo}{%
534         Missing font ‘#2’ for logo ‘#1’%

```

```

535     }%
536     #3%
537   }{%
538     \csname HoLogoFont@font@#2\endcsname{#3}%
539   }%
540 }{%
541   \csname HoLogoFont@logo@#1.#2\endcsname{#3}%
542 }%
543 \endgroup
544 }

```

\HoLogoFont@Def

```

545 \def\HoLogoFont@Def#1{%
546   \expandafter\def\csname HoLogoFont@font@#1\endcsname
547 }

```

\HoLogoFont@LogoDef

```

548 \def\HoLogoFont@LogoDef#1#2{%
549   \expandafter\def\csname HoLogoFont@logo@#1.#2\endcsname
550 }

```

2.6.1 Font defaults

\HoLogoFont@font@general

```

551 \HoLogoFont@Def{general}{}%

```

\HoLogoFont@font@rm

```

552 \ltx@ifundefined{rmfamily}{%
553   \ltx@ifundefined{rm}{%
554     }{%
555       \HoLogoFont@Def{rm}{\rm}%
556     }%
557 }{%
558   \HoLogoFont@Def{rm}{\rmfamily}%
559 }

```

\HoLogoFont@font@sf

```

560 \ltx@ifundefined{sffamily}{%
561   \ltx@ifundefined{sf}{%
562     }{%
563       \HoLogoFont@Def{sf}{\sf}%
564     }%
565 }{%
566   \HoLogoFont@Def{sf}{\sffamily}%
567 }

```

\HoLogoFont@font@bbsf

In case of plain T_EX the original small caps variant is used as default. In L^AT_EX the definition of package dtklogos [2] is used.

```

\DeclareRobustCommand{\BibTeX}{%
  B%
  \kern-.05em%
  \hbox{%
    $\m@th$% %% force math size calculations
    \csname S@f@size\endcsname
    \fontsize\sf@size\z@
    \math@fontfalse
    \selectfont
  }

```

```

        I%
        \kern-.025em%
        B
        }%
        \kern-.08em%
        \-%
        \TeX
    }

568 \ltx@ifundefined{selectfont}{%
569   \ltx@ifundefined{tensc}{%
570     \font\tensc=cmcsc10\relax
571   }{}%
572   \HoLogoFont@Def{bibs}{\tensc}%
573 }{%
574   \HoLogoFont@Def{bibs}{%
575     $\mathsurround=Opt$%
576     \csname S@\f@size\endcsname
577     \fontsize\sf@size{0pt}%
578     \mathfontsfalse
579     \selectfont
580   }%
581 }

```

\HoLogoFont@font@sc

```

582 \ltx@ifundefined{scshape}{%
583   \ltx@ifundefined{tensc}{%
584     \font\tensc=cmcsc10\relax
585   }{}%
586   \HoLogoFont@Def{sc}{\tensc}%
587 }{%
588   \HoLogoFont@Def{sc}{\scshape}%
589 }

```

\HoLogoFont@font@sy

```

590 \ltx@ifundefined{usefont}{%
591   \ltx@ifundefined{tensy}{%
592     }{}%
593     \HoLogoFont@Def{sy}{\tensy}%
594   }%
595 }{%
596   \HoLogoFont@Def{sy}{%
597     \usefont{OMS}{cmsy}{m}{n}%
598   }%
599 }

```

\HoLogoFont@font@logo

```

600 \begingroup
601   \def\x{LaTeX2e}%
602 \expandafter\endgroup
603 \ifx\fmtname\x
604   \ltx@ifundefined{logofamily}{%
605     \DeclareRobustCommand\logofamily{%
606       \not@math@alphabet\logofamily\relax
607       \fontencoding{U}%
608       \fontfamily{logo}%
609       \selectfont
610     }%

```

```

611 }{}%
612 \ltx@ifundefined{logofamily}{%
613 }{}%
614 \HoLogoFont@Def{logo}{\logofamily}%
615 }%
616 \else
617 \ltx@ifundefined{tenlogo}{%
618 \font\tenlogo=logo10\relax
619 }{}%
620 \HoLogoFont@Def{logo}{\tenlogo}%
621 \fi

```

2.6.2 Font setup

`\hologoFontSetup`

```

622 \def\hologoFontSetup{%
623 \let\HOLOGO@name\relax
624 \HOLOGO@FontSetup
625 }

```

`\hologoLogoFontSetup`

```

626 \def\hologoLogoFontSetup#1{%
627 \edef\HOLOGO@name{#1}%
628 \ltx@ifundefined{HoLogo@\HOLOGO@name}{%
629 \@PackageError{hologo}{%
630 Unknown logo '\HOLOGO@name'%
631 }\@ehc
632 \ltx@gobble
633 }{}%
634 \HOLOGO@FontSetup
635 }%
636 }

```

`\HOLOGO@FontSetup`

```

637 \def\HOLOGO@FontSetup{%
638 \kvsetkeys{HoLogoFont}%
639 }

640 \def\HOLOGO@temp#1{%
641 \kv@define@key{HoLogoFont}{#1}{%
642 \ifx\HOLOGO@name\relax
643 \HoLogoFont@Def{#1}{##1}%
644 \else
645 \HoLogoFont@LogoDef\HOLOGO@name{#1}{##1}%
646 \fi
647 }%
648 }
649 \HOLOGO@temp{general}
650 \HOLOGO@temp{sf}

```

2.7 Generic logo commands

```

651 \HOLOGO@ifexists\hologo{%
652 \@PackageError{hologo}{%
653 \string\hologo\ltx@space is already defined.\MessageBreak
654 Package loading is aborted%
655 }\@ehc
656 \HOLOGO@AtEnd

```

```

657 }%
658 \HOLOGO@ifExists\hologoRobust{%
659   \@PackageError{hologo}{%
660     \string\hologoRobust\ltx@space is already defined.\MessageBreak
661     Package loading is aborted%
662   }\@ehc
663   \HOLOGO@AtEnd
664 }%

```

2.7.1 \hologo and friends

```

665 \ifluatex
666   \expandafter\ltx@firstofone
667 \else
668   \expandafter\ltx@gobble
669 \fi
670 {%
671   \ltx@ifUndefined{ifincname}{%
672     \ifnum\luatexversion<36 %
673       \expandafter\ltx@gobble
674     \else
675       \expandafter\ltx@firstofone
676     \fi
677     {%
678       \begingroup
679       \ifcase0%
680         \directlua{%
681           if tex.enableprimitives then %
682             tex.enableprimitives('HOLOGO@', {'ifincname'})%
683           else %
684             tex.print('1')%
685           end%
686         }%
687       \ifx\HOLOGO@ifincname\undefined 1\fi%
688       \relax
689       \expandafter\ltx@firstofone
690     \else
691       \endgroup
692       \expandafter\ltx@gobble
693     \fi
694     {%
695       \global\let\ifincname\HOLOGO@ifincname
696     }%
697     \HOLOGO@temp
698   }%
699 }{%
700 }

701 \ltx@ifUndefined{ifincname}{%
702   \catcode'$=14 %
703 }{%
704   \catcode'$=9 %
705 }

```

\hologo

```

706 \def\hologo#1{%
707 $ \ifincname
708 $ \ltx@ifundefined{HoLogoCs@\HOLOGO@Variant{#1}}{%
709 $ #1%
710 $ }{%

```

```

711 $ \csname HoLogoCs@HOLOGO@Variant{#1}\endcsname\ltx@firstoftwo
712 $ }%
713 $ \else
714 \HOLOGO@IfExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
715 {%
716 \hologoRobust{#1}%
717 }{%
718 \ltx@ifundefined{HoLogoBkm@HOLOGO@Variant{#1}}{%
719 \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
720 }{%
721 \csname HoLogoBkm@HOLOGO@Variant{#1}\endcsname
722 \ltx@firstoftwo
723 }%
724 }%
725 $ \fi
726 }

```

\Hologo

```

727 \def\Hologo#1{%
728 $ \ifincsname
729 $ \ltx@ifundefined{HoLogoCs@HOLOGO@Variant{#1}}{%
730 $ #1%
731 $ }{%
732 $ \csname HoLogoCs@HOLOGO@Variant{#1}\endcsname\ltx@secondoftwo
733 $ }%
734 $ \else
735 \HOLOGO@IfExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
736 {%
737 \HologoRobust{#1}%
738 }{%
739 \ltx@ifundefined{HoLogoBkm@HOLOGO@Variant{#1}}{%
740 \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
741 }{%
742 \csname HoLogoBkm@HOLOGO@Variant{#1}\endcsname
743 \ltx@secondoftwo
744 }%
745 }%
746 $ \fi
747 }

```

\hologoVariant

```

748 \def\hologoVariant#1#2{%
749 \ifx\relax#2\relax
750 \hologo{#1}%
751 \else
752 $ \ifincsname
753 $ \ltx@ifundefined{HoLogoCs@#1@#2}{%
754 $ #1%
755 $ }{%
756 $ \csname HoLogoCs@#1@#2\endcsname\ltx@firstoftwo
757 $ }%
758 $ \else
759 \HOLOGO@IfExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
760 {%
761 \hologoVariantRobust{#1}{#2}%
762 }{%
763 \ltx@ifundefined{HoLogoBkm@#1@#2}{%
764 \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%

```

```

765     }{%
766     \csname HoLogoBkm@#1@#2\endcsname
767     \ltx@firstoftwo
768     }%
769     }%
770 $ \fi
771 \fi
772 }

```

\HologoVariant

```

773 \def\HologoVariant#1#2{%
774 \ifx\relax#2\relax
775 \Hologo{#1}%
776 \else
777 $ \ifincsname
778 $ \ltx@ifundefined{HoLogoCs@#1@#2}{%
779 $ #1%
780 $ }{%
781 $ \csname HoLogoCs@#1@#2\endcsname\ltx@secondoftwo
782 $ }%
783 $ \else
784 \HOLOGO@IfExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
785 {%
786 \HologoVariantRobust{#1}{#2}%
787 }{%
788 \ltx@ifundefined{HoLogoBkm@#1@#2}{%
789 \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
790 }{%
791 \csname HoLogoBkm@#1@#2\endcsname
792 \ltx@secondoftwo
793 }%
794 }%
795 $ \fi
796 \fi
797 }

798 \catcode'\$=3 %

```

2.7.2 \hologoRobust and friends

\hologoRobust

```

799 \ltx@ifundefined{protected}{%
800 \ltx@ifundefined{DeclareRobustCommand}{%
801 \def\hologoRobust#1%
802 }{%
803 \DeclareRobustCommand*\hologoRobust[1]%
804 }%
805 }{%
806 \protected\def\hologoRobust#1%
807 }%
808 {%
809 \edef\HOLOGO@name{#1}%
810 \ltx@ifundefined{HoLogo@\HOLOGO@Variant\HOLOGO@name}{%
811 \@PackageError{hologo}{%
812 Unknown logo '\HOLOGO@name'%
813 }{\@ehc
814 ?\HOLOGO@name?%
815 }{%

```

```

816 \ltx@ifundefined{ver@tex4ht.sty}{%
817   \HoLogoFont@font\HOLOGO@name{general}{%
818     \csname HoLogo@\HOLOGO@Variant\HOLOGO@name\endcsname
819     \ltx@firstoftwo
820   }%
821 }{%
822   \ltx@ifundefined{HoLogoHtml@\HOLOGO@Variant\HOLOGO@name}{%
823     \HOLOGO@name
824   }{%
825     \csname HoLogoHtml@\HOLOGO@Variant\HOLOGO@name\endcsname
826     \ltx@firstoftwo
827   }%
828 }%
829 }%
830 }

```

\HologoRobust

```

831 \ltx@ifundefined{protected}{%
832   \ltx@ifundefined{DeclareRobustCommand}{%
833     \def\HologoRobust#1%
834   }{%
835     \DeclareRobustCommand*\HologoRobust[1]%
836   }%
837 }{%
838   \protected\def\HologoRobust#1%
839 }%
840 {%
841   \edef\HOLOGO@name{#1}%
842   \ltx@ifundefined{HoLogo@\HOLOGO@Variant\HOLOGO@name}{%
843     \@PackageError{hologo}{%
844       Unknown logo '\HOLOGO@name'%
845     }\@ehc
846     ?\HOLOGO@name?%
847   }{%
848     \ltx@ifundefined{ver@tex4ht.sty}{%
849       \HoLogoFont@font\HOLOGO@name{general}{%
850         \csname HoLogo@\HOLOGO@Variant\HOLOGO@name\endcsname
851         \ltx@secondoftwo
852       }%
853     }{%
854       \ltx@ifundefined{HoLogoHtml@\HOLOGO@Variant\HOLOGO@name}{%
855         \expandafter\HOLOGO@Uppercase\HOLOGO@name
856       }{%
857         \csname HoLogoHtml@\HOLOGO@Variant\HOLOGO@name\endcsname
858         \ltx@secondoftwo
859       }%
860     }%
861   }%
862 }

```

\hologoVariantRobust

```

863 \ltx@ifundefined{protected}{%
864   \ltx@ifundefined{DeclareRobustCommand}{%
865     \def\hologoVariantRobust#1#2%
866   }{%
867     \DeclareRobustCommand*\hologoVariantRobust[2]%
868   }%
869 }{%

```



```

870 \protected\def\hologoVariantRobust#1#2%
871 }%
872 {%
873 \begingroup
874 \hologoLogoSetup{#1}{variant={#2}}%
875 \hologoRobust{#1}%
876 \endgroup
877 }

```

`\HologoVariantRobust`

```

878 \ltx@ifundefined{protected}{%
879 \ltx@ifundefined{DeclareRobustCommand}{%
880 \def\HologoVariantRobust#1#2%
881 }{%
882 \DeclareRobustCommand*\HologoVariantRobust[2]%
883 }%
884 }{%
885 \protected\def\HologoVariantRobust#1#2%
886 }%
887 {%
888 \begingroup
889 \hologoLogoSetup{#1}{variant={#2}}%
890 \HologoRobust{#1}%
891 \endgroup
892 }

```

`\hologorobust` Macro `\hologorobust` is only defined for compatibility. Its use is deprecated.

```

893 \def\hologorobust{\hologoRobust}

```

2.8 Helpers

`\HOLOGO@Uppercase` Macro `\HOLOGO@Uppercase` is restricted to `\uppercase`, because plain `TEX` or `iniTEX` do not provide `\MakeUppercase`.

```

894 \def\HOLOGO@Uppercase#1{\uppercase{#1}}

```

`\HOLOGO@PdfdocUnicode`

```

895 \def\HOLOGO@PdfdocUnicode{%
896 \ifx\ifHy@unicode\iftrue
897 \expandafter\ltx@secondoftwo
898 \else
899 \expandafter\ltx@firstoftwo
900 \fi
901 }

```

`\HOLOGO@Math`

```

902 \def\HOLOGO@MathSetup{%
903 \mathsurroundOpt\relax
904 \HOLOGO@IfExists\f@series{%
905 \if b\expandafter\ltx@car\f@series x@nil
906 \csname boldmath\endcsname
907 \fi
908 }-}%
909 }

```

`\HOLOGO@TempDimen`

```

910 \dimendef\HOLOGO@TempDimen=\ltx@zero

```

`\HOLOGO@NegativeKerning`

```
911 \def\HOLOGO@NegativeKerning#1{%
912   \begingroup
913     \HOLOGO@TempDimen=0pt\relax
914     \comma@parse@normalized{#1}{%
915       \ifdim\HOLOGO@TempDimen=0pt %
916         \expandafter\HOLOGO@NegativeKerning\comma@entry
917       \fi
918     \ltx@gobble
919   }%
920   \ifdim\HOLOGO@TempDimen<0pt %
921     \kern\HOLOGO@TempDimen
922   \fi
923 \endgroup
924 }
```

`\HOLOGO@@NegativeKerning`

```
925 \def\HOLOGO@@NegativeKerning#1#2{%
926   \setbox\ltx@zero\hbox{#1#2}%
927   \HOLOGO@TempDimen=\wd\ltx@zero
928   \setbox\ltx@zero\hbox{#1\kern0pt#2}%
929   \advance\HOLOGO@TempDimen by -\wd\ltx@zero
930 }
```

`\HOLOGO@SpaceFactor`

```
931 \def\HOLOGO@SpaceFactor{%
932   \spacefactor1000 %
933 }
```

`\HOLOGO@Span`

```
934 \def\HOLOGO@Span#1#2{%
935   \HCode{<span class="HoLogo-#1">}%
936   #2%
937   \HCode{</span>}%
938 }
```

2.8.1 Text subscript

`\HOLOGO@SubScript`

```
939 \def\HOLOGO@SubScript#1{%
940   \ltx@ifundefined{textsubscript}{%
941     \ltx@ifundefined{text}{%
942       \ltx@mbox{%
943         \mathsurround=0pt\relax
944         $%
945         _{%
946           \ltx@ifundefined{sf@size}{%
947             \mathrm{#1}%
948           }{%
949             \mbox{%
950               \fontsize\sf@size{0pt}\selectfont
951               #1%
952             }%
953           }%
954         }%
955         $%
956       }%
957     }%
958   }
```

```

957 }{%
958   \ltx@mbbox{%
959     \mathsurround=0pt\relax
960     $_{\text{#1}}$%
961   }%
962 }%
963 }{%
964   \textsubscript{#1}%
965 }%
966 }

```

2.9 T_EX and friends

2.9.1 T_EX

\HoLogo@TeX Source: L^AT_EX kernel.

```

967 \def\HoLogo@TeX#1{%
968   T\kern-.1667em\lower.5ex\hbox{E}\kern-.125emX\HOLOGO@SpaceFactor
969 }

```

\HoLogoHtml@TeX

```

970 \def\HoLogoHtml@TeX#1{%
971   \HoLogoCss@TeX
972   \HOLOGO@Span{TeX}{%
973     T%
974     \HOLOGO@Span{e}{%
975       E%
976     }%
977     X%
978   }%
979 }

```

\HoLogoCss@TeX

```

980 \def\HoLogoCss@TeX{%
981   \Css{%
982     span.HoLogo-TeX span.HoLogo-e{%
983       position:relative;%
984       top:.5ex;%
985       margin-left:-.1667em;%
986       margin-right:-.125em;%
987     }%
988   }%
989   \Css{%
990     a span.HoLogo-TeX span.HoLogo-e{%
991       text-decoration:none;%
992     }%
993   }%
994   \global\let\HoLogoCss@TeX\relax
995 }

```

2.9.2 plain T_EX

\HoLogo@plainTeX@space Source: “The T_EXbook”

```

996 \def\HoLogo@plainTeX@space#1{%
997   \HOLOGO@mbbox{#1{p}{P}lain}\HOLOGO@space\hologo{TeX}%
998 }

```

```

\HoLogoCs@plainTeX@space
999 \def\HoLogoCs@plainTeX@space#1{#1{p}{P}lain TeX}%

\HoLogoBkm@plainTeX@space
1000 \def\HoLogoBkm@plainTeX@space#1{%
1001   #1{p}{P}lain \hologo{TeX}%
1002 }

\HoLogoHtml@plainTeX@space
1003 \def\HoLogoHtml@plainTeX@space#1{%
1004   #1{p}{P}lain \hologo{TeX}%
1005 }

\HoLogo@plainTeX@hyphen
1006 \def\HoLogo@plainTeX@hyphen#1{%
1007   \HOLOGO@mbbox{#1{p}{P}lain}\HOLOGO@hyphen\hologo{TeX}%
1008 }

\HoLogoCs@plainTeX@hyphen
1009 \def\HoLogoCs@plainTeX@hyphen#1{#1{p}{P}lain-TeX}

\HoLogoBkm@plainTeX@hyphen
1010 \def\HoLogoBkm@plainTeX@hyphen#1{%
1011   #1{p}{P}lain-\hologo{TeX}%
1012 }

\HoLogoHtml@plainTeX@hyphen
1013 \def\HoLogoHtml@plainTeX@hyphen#1{%
1014   #1{p}{P}lain-\hologo{TeX}%
1015 }

\HoLogo@plainTeX@runtogether
1016 \def\HoLogo@plainTeX@runtogether#1{%
1017   \HOLOGO@mbbox{#1{p}{P}lain\hologo{TeX}}%
1018 }

\HoLogoCs@plainTeX@runtogether
1019 \def\HoLogoCs@plainTeX@runtogether#1{#1{p}{P}lainTeX}

\HoLogoBkm@plainTeX@runtogether
1020 \def\HoLogoBkm@plainTeX@runtogether#1{%
1021   #1{p}{P}lain\hologo{TeX}%
1022 }

\HoLogoHtml@plainTeX@runtogether
1023 \def\HoLogoHtml@plainTeX@runtogether#1{%
1024   #1{p}{P}lain\hologo{TeX}%
1025 }

\HoLogo@plainTeX
1026 \def\HoLogo@plainTeX{\HoLogo@plainTeX@space}

\HoLogoCs@plainTeX
1027 \def\HoLogoCs@plainTeX{\HoLogoCs@plainTeX@space}

\HoLogoBkm@plainTeX
1028 \def\HoLogoBkm@plainTeX{\HoLogoBkm@plainTeX@space}

\HoLogoHtml@plainTeX
1029 \def\HoLogoHtml@plainTeX{\HoLogoHtml@plainTeX@space}

```

2.9.3 L^AT_EX

Source: L^AT_EX kernel.

```
\DeclareRobustCommand{\LaTeX}{%
  L%
  \kern-.36em%
  {%
    \sbox\z@ T%
    \vbox to\ht\z@{%
      \hbox{%
        \check@mathfonts
        \fontsize\sf@size\z@
        \math@fontsfalse
        \selectfont
        A%
      }%
    }%
  }%
  \vss
}%
\kern-.15em%
\TeX
}
```

\HoLogo@La

```
1030 \def\HoLogo@La#1{%
1031   L%
1032   \kern-.36em%
1033   \begingroup
1034     \setbox\ltx@zero\hbox{T}%
1035     \vbox to\ht\ltx@zero{%
1036       \hbox{%
1037         \ltx@ifundefined{check@mathfonts}{%
1038           \csname sevenrm\endcsname
1039         }{%
1040           \check@mathfonts
1041           \fontsize\sf@size{Opt}%
1042           \math@fontsfalse\selectfont
1043         }%
1044         A%
1045       }%
1046       \vss
1047     }%
1048   \endgroup
1049 }
```

\HoLogo@LaTeX Source: L^AT_EX kernel.

```
1050 \def\HoLogo@LaTeX#1{%
1051   \hologo{La}%
1052   \kern-.15em%
1053   \hologo{TeX}%
1054 }
```

\HoLogoHtml@LaTeX

```
1055 \def\HoLogoHtml@LaTeX#1{%
1056   \HoLogoCss@LaTeX
1057   \HOLOGO@Span{LaTeX}{%
1058     L%
1059     \HOLOGO@Span{a}{%

```

```

1060     A%
1061   }%
1062   \hologo{TeX}%
1063 }%
1064 }

```

`\HoLogoCss@LaTeX`

```

1065 \def\HoLogoCss@LaTeX{%
1066   \Css{%
1067     span.HoLogo-LaTeX span.HoLogo-a{%
1068       position:relative;%
1069       top:-.5ex;%
1070       margin-left:-.36em;%
1071       margin-right:-.15em;%
1072       font-size:85\%;%
1073     }%
1074   }%
1075   \global\let\HoLogoCss@LaTeX\relax
1076 }

```

2.9.4 (L)T_EX

`\HoLogo@LaTeXTeX` The kerning around the parentheses is taken from package `dtklogos` [2].

```

\DeclareRobustCommand{\LaTeXTeX}{%
  (%
  \kern-.15em%
  L%
  \kern-.36em%
  {%
    \sbox\z@ T%
    \vbox to\ht0{%
      \hbox{%
        $\m@th$%
        \csname S@\f@size\endcsname
        \fontsize\sf@size\z@
        \math@fontsfalse
        \selectfont
        A%
      }%
      \vss
    }%
  }%
  \kern-.2em%
  )%
  \kern-.15em%
  \TeX
}

1077 \def\HoLogo@LaTeXTeX#1{%
1078   (%
1079   \kern-.15em%
1080   \hologo{La}%
1081   \kern-.2em%
1082   )%
1083   \kern-.15em%
1084   \hologo{TeX}%
1085 }

```

```

\HoLogoBkm@LaTeXTeX
1086 \def\HoLogoBkm@LaTeXTeX#1{(La)TeX}

\HoLogo@(La)TeX
1087 \expandafter
1088 \let\csname HoLogo@(La)TeX\endcsname\HoLogo@LaTeXTeX

\HoLogoBkm@(La)TeX
1089 \expandafter
1090 \let\csname HoLogoBkm@(La)TeX\endcsname\HoLogoBkm@LaTeXTeX

```

```

\HoLogoHtml@LaTeXTeX
1091 \def\HoLogoHtml@LaTeXTeX#1{%
1092   \HoLogoCss@LaTeXTeX
1093   \HOLOGO@Span{LaTeXTeX}{%
1094     (%
1095     \HOLOGO@Span{L}{L}%
1096     \HOLOGO@Span{a}{A}%
1097     \HOLOGO@Span{ParenRight}{})}%
1098   \hologo{TeX}%
1099   }%
1100 }

```

\HoLogoHtml@(La)TeX Kerning after opening parentheses and before closing parentheses is -0.1 em. The original values -0.15 em looked too ugly for a serif font.

```

1101 \expandafter
1102 \let\csname HoLogoHtml@(La)TeX\endcsname\HoLogoHtml@LaTeXTeX

```

```

\HoLogoCss@LaTeXTeX
1103 \def\HoLogoCss@LaTeXTeX{%
1104   \Css{%
1105     span.HoLogo-LaTeXTeX span.HoLogo-L{%
1106       margin-left:-.1em;%
1107     }%
1108   }%
1109   \Css{%
1110     span.HoLogo-LaTeXTeX span.HoLogo-a{%
1111       position:relative;%
1112       top:-.5ex;%
1113       margin-left:-.36em;%
1114       margin-right:-.1em;%
1115       font-size:85\%;%
1116     }%
1117   }%
1118   \Css{%
1119     span.HoLogo-LaTeXTeX span.HoLogo-ParenRight{%
1120       margin-right:-.15em;%
1121     }%
1122   }%
1123   \global\let\HoLogoCss@LaTeXTeX\relax
1124 }

```

2.9.5 L^AT_EX 2_ε

```

\HoLogo@LaTeXe Source: LATEX kernel
1125 \def\HoLogo@LaTeXe#1{%
1126   \hologo{LaTeX}%

```

```

1127 \kern.15em%
1128 \hbox{%
1129   \HOLOGO@MathSetup
1130   2%
1131   $_{\textstyle\varepsilon}$%
1132 }%
1133 }

```

\HoLogoCs@LaTeXe

```

1134 \ifnum64='\^^^0040\relax % test for big chars of LuaTeX/XeTeX
1135 \catcode'\$=9 %
1136 \catcode'\&=14 %
1137 \else
1138 \catcode'\$=14 %
1139 \catcode'\&=9 %
1140 \fi
1141 \def\HoLogoCs@LaTeXe#1{%
1142   LaTeX2%
1143 $ \string ^^0395%
1144 & e%
1145 }%
1146 \catcode'\$=3 %
1147 \catcode'\&=4 %

```

\HoLogoBkm@LaTeXe

```

1148 \def\HoLogoBkm@LaTeXe#1{%
1149   \hologo{LaTeX}%
1150   2%
1151   \HOLOGO@PdfdocUnicode{e}{\textepsilon}%
1152 }

```

\HoLogoHtml@LaTeXe

```

1153 \def\HoLogoHtml@LaTeXe#1{%
1154   \HoLogoCss@LaTeXe
1155   \HOLOGO@Span{LaTeX2e}{%
1156     \hologo{LaTeX}%
1157     \HOLOGO@Span{2}{2}%
1158     \HOLOGO@Span{e}{%
1159       \HOLOGO@MathSetup
1160       \ensuremath{\textstyle\varepsilon}%
1161     }%
1162   }%
1163 }

```

\HoLogoCss@LaTeXe

```

1164 \def\HoLogoCss@LaTeXe{%
1165   \Css{%
1166     span.HoLogo-LaTeX2e span.HoLogo-2{%
1167       padding-left:.15em;%
1168     }%
1169   }%
1170   \Css{%
1171     span.HoLogo-LaTeX2e span.HoLogo-e{%
1172       position:relative;%
1173       top:.35ex;%
1174       text-decoration:none;%
1175     }%
1176   }%

```



```
1177 \global\let\HoLogoCss@LaTeXe\relax
1178 }
```

\HoLogo@LaTeX2e

```
1179 \expandafter
1180 \let\csname HoLogo@LaTeX2e\endcsname\HoLogo@LaTeXe
```

\HoLogoCs@LaTeX2e

```
1181 \expandafter
1182 \let\csname HoLogoCs@LaTeX2e\endcsname\HoLogoCs@LaTeXe
```

\HoLogoBkm@LaTeX2e

```
1183 \expandafter
1184 \let\csname HoLogoBkm@LaTeX2e\endcsname\HoLogoBkm@LaTeXe
```

\HoLogoHtml@LaTeX2e

```
1185 \expandafter
1186 \let\csname HoLogoHtml@LaTeX2e\endcsname\HoLogoHtml@LaTeXe
```

2.9.6 L^AT_EX₃

\HoLogo@LaTeX3 Source: L^AT_EX kernel

```
1187 \expandafter\def\csname HoLogo@LaTeX3\endcsname#1{%
1188   \hologo{LaTeX}%
1189   3%
1190 }
```

\HoLogoBkm@LaTeX3

```
1191 \expandafter\def\csname HoLogoBkm@LaTeX3\endcsname#1{%
1192   \hologo{LaTeX}%
1193   3%
1194 }
```

\HoLogoHtml@LaTeX3

```
1195 \expandafter
1196 \let\csname HoLogoHtml@LaTeX3\expandafter\endcsname
1197 \csname HoLogo@LaTeX3\endcsname
```

2.9.7 L^AT_Exml

\HoLogo@LaTeXML

```
1198 \def\HoLogo@LaTeXML#1{%
1199   \HOLG0@mbbox{%
1200     \hologo{La}%
1201     \kern-.15em%
1202     T%
1203     \kern-.1667em%
1204     \lower.5ex\hbox{E}%
1205     \kern-.125em%
1206     \HoLogoFont@font{LaTeXML}{sc}{xml}%
1207   }%
1208 }
```

\HoLogoHtml@pdfLaTeX

```
1209 \def\HoLogoHtml@LaTeXML#1{%
1210   \HOLG0@Span{LaTeXML}{-%
1211     \HoLogoCss@LaTeX
```

```

1212 \HoLogoCss@TeX
1213 \HOLOGO@Span{LaTeX}{%
1214 L%
1215 \HOLOGO@Span{a}{%
1216 A%
1217 }%
1218 }%
1219 \HOLOGO@Span{TeX}{%
1220 T%
1221 \HOLOGO@Span{e}{%
1222 E%
1223 }%
1224 }%
1225 \HCode{<span style="font-variant: small-caps;">}%
1226 xml%
1227 \HCode{</span>}%
1228 }%
1229 }

```

2.9.8 ε -TeX

\HoLogo@eTeX Source: package etex

```

1230 \def\HoLogo@eTeX#1{%
1231 \ltx@mbox{%
1232 \HOLOGO@MathSetup
1233 $\varepsilon$%
1234 -%
1235 \HOLOGO@NegativeKerning{-T,T-,To}%
1236 \hologo{TeX}%
1237 }%
1238 }

```

\HoLogoCs@eTeX

```

1239 \ifnum64='\^^^0040\relax % test for big chars of LuaTeX/XeTeX
1240 \catcode'\$=9 %
1241 \catcode'\&=14 %
1242 \else
1243 \catcode'\$=14 %
1244 \catcode'\&=9 %
1245 \fi
1246 \def\HoLogoCs@eTeX#1{%
1247 $ #1{\string ^^0395}{\string ^^03b5}%
1248 & #1{e}{E}%
1249 TeX%
1250 }%
1251 \catcode'\$=3 %
1252 \catcode'\&=4 %

```

\HoLogoBkm@eTeX

```

1253 \def\HoLogoBkm@eTeX#1{%
1254 \HOLOGO@PdfdocUnicode{#1{e}{E}}{\textepsilon}%
1255 -%
1256 \hologo{TeX}%
1257 }

```

\HoLogoHtml@eTeX

```

1258 \def\HoLogoHtml@eTeX#1{%
1259 \ltx@mbox{%

```

```

1260 \HOLOGO@MathSetup
1261 $\varepsilon$%
1262 -%
1263 \hologo{TeX}%
1264 }%
1265 }

```

2.9.9 iniTeX

\HoLogo@iniTeX

```

1266 \def\HoLogo@iniTeX#1{%
1267 \HOLOGO@mbbox{%
1268 #1{i}{I}ni\hologo{TeX}%
1269 }%
1270 }

```

\HoLogoCs@iniTeX

```

1271 \def\HoLogoCs@iniTeX#1{#1{i}{I}niTeX}

```

\HoLogoBkm@iniTeX

```

1272 \def\HoLogoBkm@iniTeX#1{%
1273 #1{i}{I}ni\hologo{TeX}%
1274 }

```

\HoLogoHtml@iniTeX

```

1275 \let\HoLogoHtml@iniTeX\HoLogo@iniTeX

```

2.9.10 virTeX

\HoLogo@virTeX

```

1276 \def\HoLogo@virTeX#1{%
1277 \HOLOGO@mbbox{%
1278 #1{v}{V}ir\hologo{TeX}%
1279 }%
1280 }

```

\HoLogoCs@virTeX

```

1281 \def\HoLogoCs@virTeX#1{#1{v}{V}irTeX}

```

\HoLogoBkm@virTeX

```

1282 \def\HoLogoBkm@virTeX#1{%
1283 #1{v}{V}ir\hologo{TeX}%
1284 }

```

\HoLogoHtml@virTeX

```

1285 \let\HoLogoHtml@virTeX\HoLogo@virTeX

```

2.9.11 SliTeX

Definitions of the three variants.

\HoLogo@SLiTeX@lift

```

1286 \def\HoLogo@SLiTeX@lift#1{%
1287 \HoLogoFont@font{SliTeX}{rm}{%
1288 S%
1289 \kern-.06em%
1290 L%

```

```

1291 \kern-.18em%
1292 \raise.32ex\hbox{\HoLogoFont@font{SliTeX}{sc}{i}}%
1293 \HLOGO@discretionary
1294 \kern-.06em%
1295 \hologo{TeX}%
1296 }%
1297 }

```

\HoLogoBkm@SliTeX@lift

```
1298 \def\HoLogoBkm@SliTeX@lift#1{SliTeX}
```

\HoLogoHtml@SliTeX@lift

```

1299 \def\HoLogoHtml@SliTeX@lift#1{%
1300 \HoLogoCss@SliTeX@lift
1301 \HLOGO@Span{SliTeX-lift}{%
1302 \HoLogoFont@font{SliTeX}{rm}{%
1303 S%
1304 \HLOGO@Span{L}{L}%
1305 \HLOGO@Span{i}{i}%
1306 \hologo{TeX}%
1307 }%
1308 }%
1309 }

```

\HoLogoCss@SliTeX@lift

```

1310 \def\HoLogoCss@SliTeX@lift{%
1311 \Css{%
1312 span.HoLogo-SliTeX-lift span.HoLogo-L{%
1313 margin-left:-.06em;%
1314 margin-right:-.18em;%
1315 }%
1316 }%
1317 \Css{%
1318 span.HoLogo-SliTeX-lift span.HoLogo-i{%
1319 position:relative;%
1320 top:-.32ex;%
1321 margin-right:-.06em;%
1322 font-variant:small-caps;%
1323 }%
1324 }%
1325 \global\let\HoLogoCss@SliTeX@lift\relax
1326 }

```

\HoLogo@SliTeX@simple

```

1327 \def\HoLogo@SliTeX@simple#1{%
1328 \HoLogoFont@font{SliTeX}{rm}{%
1329 \ltx@mbox{%
1330 \HoLogoFont@font{SliTeX}{sc}{Sli}%
1331 }%
1332 \HLOGO@discretionary
1333 \hologo{TeX}%
1334 }%
1335 }

```

\HoLogoBkm@SliTeX@simple

```
1336 \def\HoLogoBkm@SliTeX@simple#1{SliTeX}
```

```

\HoLogoHtml@SliTeX@simple
1337 \let\HoLogoHtml@SliTeX@simple\HoLogo@SliTeX@simple

\HoLogo@SliTeX@narrow
1338 \def\HoLogo@SliTeX@narrow#1{%
1339   \HoLogoFont@font{SliTeX}{rm}{%
1340     \ltx@mbbox{%
1341       S%
1342       \kern-.06em%
1343       \HoLogoFont@font{SliTeX}{sc}{%
1344         l%
1345         \kern-.035em%
1346         i%
1347       }%
1348     }%
1349     \HOLOGO@discretionary
1350     \kern-.06em%
1351     \hologo{TeX}%
1352   }%
1353 }

\HoLogoBkm@SliTeX@narrow
1354 \def\HoLogoBkm@SliTeX@narrow#1{SliTeX}

\HoLogoHtml@SliTeX@narrow
1355 \def\HoLogoHtml@SliTeX@narrow#1{%
1356   \HoLogoCss@SliTeX@narrow
1357   \HOLOGO@Span{SliTeX-narrow}{%
1358     \HoLogoFont@font{SliTeX}{rm}{%
1359       S%
1360       \HOLOGO@Span{l}{l}%
1361       \HOLOGO@Span{i}{i}%
1362     \hologo{TeX}%
1363   }%
1364 }%
1365 }

\HoLogoCss@SliTeX@narrow
1366 \def\HoLogoCss@SliTeX@narrow{%
1367   \Css{%
1368     span.HoLogo-SliTeX-narrow span.HoLogo-l{%
1369       margin-left:-.06em;%
1370       margin-right:-.035em;%
1371       font-variant:small-caps;%
1372     }%
1373   }%
1374   \Css{%
1375     span.HoLogo-SliTeX-narrow span.HoLogo-i{%
1376       margin-right:-.06em;%
1377       font-variant:small-caps;%
1378     }%
1379   }%
1380   \global\let\HoLogoCss@SliTeX@narrow\relax
1381 }

```

Macro set completion.

```

\HoLogo@SLiTeX@simple
1382 \def\HoLogo@SLiTeX@simple{\HoLogo@SLiTeX@simple}

\HoLogoBkm@SLiTeX@simple
1383 \def\HoLogoBkm@SLiTeX@simple{\HoLogoBkm@SLiTeX@simple}

\HoLogoHtml@SLiTeX@simple
1384 \def\HoLogoHtml@SLiTeX@simple{\HoLogoHtml@SLiTeX@simple}

\HoLogo@SLiTeX@narrow
1385 \def\HoLogo@SLiTeX@narrow{\HoLogo@SLiTeX@narrow}

\HoLogoBkm@SLiTeX@narrow
1386 \def\HoLogoBkm@SLiTeX@narrow{\HoLogoBkm@SLiTeX@narrow}

\HoLogoHtml@SLiTeX@narrow
1387 \def\HoLogoHtml@SLiTeX@narrow{\HoLogoHtml@SLiTeX@narrow}

\HoLogo@SLiTeX@lift
1388 \def\HoLogo@SLiTeX@lift{\HoLogo@SLiTeX@lift}

\HoLogoBkm@SLiTeX@lift
1389 \def\HoLogoBkm@SLiTeX@lift{\HoLogoBkm@SLiTeX@lift}

\HoLogoHtml@SLiTeX@lift
1390 \def\HoLogoHtml@SLiTeX@lift{\HoLogoHtml@SLiTeX@lift}

```

Defaults.

```

\HoLogo@SLiTeX
1391 \def\HoLogo@SLiTeX{\HoLogo@SLiTeX@lift}

\HoLogoBkm@SLiTeX
1392 \def\HoLogoBkm@SLiTeX{\HoLogoBkm@SLiTeX@lift}

\HoLogoHtml@SLiTeX
1393 \def\HoLogoHtml@SLiTeX{\HoLogoHtml@SLiTeX@lift}

\HoLogo@SLiTeX
1394 \def\HoLogo@SLiTeX{\HoLogo@SLiTeX@narrow}

\HoLogoBkm@SLiTeX
1395 \def\HoLogoBkm@SLiTeX{\HoLogoBkm@SLiTeX@narrow}

\HoLogoHtml@SLiTeX
1396 \def\HoLogoHtml@SLiTeX{\HoLogoHtml@SLiTeX@narrow}

```

2.9.12 LuaTeX

`\HoLogo@LuaTeX` The kerning is an idea of Hans Hagen, see mailing list ‘`luatex at tug dot org`’ in March 2010.

```
1397 \def\HoLogo@LuaTeX#1{%
1398   \HLOGO@mbbox{%
1399     Lua%
1400     \HLOGO@NegativeKerning{aT,oT,To}%
1401     \hologo{TeX}%
1402   }%
1403 }
```

`\HoLogoHtml@LuaTeX`

```
1404 \let\HoLogoHtml@LuaTeX\HoLogo@LuaTeX
```

2.9.13 LuaLaTeX

`\HoLogo@LuaLaTeX`

```
1405 \def\HoLogo@LuaLaTeX#1{%
1406   \HLOGO@mbbox{%
1407     Lua%
1408     \hologo{LaTeX}%
1409   }%
1410 }
```

`\HoLogoHtml@LuaLaTeX`

```
1411 \let\HoLogoHtml@LuaLaTeX\HoLogo@LuaLaTeX
```

2.9.14 XeTeX, XeLaTeX

`\HLOGO@IfCharExists`

```
1412 \ifluatex
1413   \ifnum\luatexversion<36 %
1414   \else
1415     \def\HLOGO@IfCharExists#1{%
1416       \ifnum
1417         \directlua{%
1418           if luaotfload and luaotfload.aux then
1419             if luaotfload.aux.font_has_glyph(%
1420               font.current(), \number#1) then %
1421               tex.print("1") %
1422             end %
1423           elseif font and font.fonts and font.current then %
1424             local f = font.fonts[font.current()]%
1425             if f.characters and f.characters[\number#1] then %
1426               tex.print("1")%
1427             end %
1428           end%
1429         }0=\ltx@zero
1430         \expandafter\ltx@secondoftwo
1431       \else
1432         \expandafter\ltx@firstoftwo
1433       \fi
1434     }%
1435   \fi
1436 \fi
1437 \ltx@ifundefined{HLOGO@IfCharExists}{%
```

```

1438 \def\HOLOGO@@IfCharExists#1{%
1439   \begingroup
1440     \tracinglostchars=\ltx@zero
1441     \setbox\ltx@zero=\hbox{%
1442       \kern7sp\char#1\relax
1443       \ifnum\lastkern>\ltx@zero
1444         \expandafter\aftergroup\csname iffalse\endcsname
1445       \else
1446         \expandafter\aftergroup\csname iftrue\endcsname
1447       \fi
1448     }%
1449     % \if{true|false} from \aftergroup
1450     \endgroup
1451     \expandafter\ltx@firstoftwo
1452   \else
1453     \endgroup
1454     \expandafter\ltx@secondoftwo
1455   \fi
1456 }%
1457 \ifxetex
1458   \ltx@ifundefined{XeTeXfonttype}{}{%
1459     \ltx@ifundefined{XeTeXcharglyph}{}{%
1460       \def\HOLOGO@@IfCharExists#1{%
1461         \ifnum\XeTeXfonttype\font>\ltx@zero
1462           \expandafter\ltx@firstofthree
1463         \else
1464           \expandafter\ltx@gobble
1465         \fi
1466       {%
1467         \ifnum\XeTeXcharglyph#1>\ltx@zero
1468           \expandafter\ltx@firstoftwo
1469         \else
1470           \expandafter\ltx@secondoftwo
1471         \fi
1472       }%
1473       \HOLOGO@@IfCharExists{#1}%
1474     }%
1475   }%
1476 }%
1477 \fi
1478 }{}
1479 \ltx@ifundefined{HOLOGO@@IfCharExists}{%
1480   \ifnum64='^0040\relax % test for big chars of LuaTeX/XeTeX
1481     \let\HOLOGO@@IfCharExists\HOLOGO@@IfCharExists
1482   \else
1483     \def\HOLOGO@@IfCharExists#1{%
1484       \ifnum#1>255 %
1485         \expandafter\ltx@fourthoffour
1486       \fi
1487       \HOLOGO@@IfCharExists{#1}%
1488     }%
1489   \fi
1490 }{}

```

\HoLogo@Xe Source: package dtklogos

```

1491 \def\HoLogo@Xe#1{%
1492   X%
1493   \kern-.1em\relax

```



```

1494 \Hologo@ifCharExists{"018E}{%
1495   \lower.5ex\hbox{\char"018E}%
1496 }{%
1497   \chardef\Hologo@choice=\ltx@zero
1498   \ifdim\fontdimen\ltx@one\font>0pt %
1499     \ltx@ifUndefined{rotatebox}{%
1500       \ltx@ifUndefined{pgftext}{%
1501         \ltx@ifUndefined{psscalebox}{%
1502           \ltx@ifUndefined{Hologo@ScaleBox@\hologoDriver}{%
1503             }{%
1504               \chardef\Hologo@choice=4 %
1505             }%
1506           }{%
1507             \chardef\Hologo@choice=3 %
1508           }%
1509         }{%
1510           \chardef\Hologo@choice=2 %
1511         }%
1512       }{%
1513         \chardef\Hologo@choice=1 %
1514       }%
1515     \ifcase\Hologo@choice
1516       \Hologo@WarningUnsupportedDriver{Xe}%
1517     e%
1518   \or % 1: \rotatebox
1519     \begingroup
1520       \setbox\ltx@zero\hbox{\rotatebox{180}{E}}%
1521       \ltx@LocDimenA=\dp\ltx@zero
1522       \advance\ltx@LocDimenA by -.5ex\relax
1523       \raise\ltx@LocDimenA\box\ltx@zero
1524     \endgroup
1525   \or % 2: \pgftext
1526     \lower.5ex\hbox{%
1527       \pgfpicture
1528         \pgftext[rotate=180]{E}%
1529       \endpgfpicture
1530     }%
1531   \or % 3: \psscalebox
1532     \begingroup
1533       \setbox\ltx@zero\hbox{\psscalebox{-1 -1}{E}}%
1534       \ltx@LocDimenA=\dp\ltx@zero
1535       \advance\ltx@LocDimenA by -.5ex\relax
1536       \raise\ltx@LocDimenA\box\ltx@zero
1537     \endgroup
1538   \or % 4: \Hologo@PointReflectBox
1539     \lower.5ex\hbox{\Hologo@PointReflectBox{E}}%
1540   \else
1541     \@PackageError{hologo}{Internal error (choice/it)}\@ehc
1542   \fi
1543 \else
1544   \ltx@ifUndefined{reflectbox}{%
1545     \ltx@ifUndefined{pgftext}{%
1546       \ltx@ifUndefined{psscalebox}{%
1547         \ltx@ifUndefined{Hologo@ScaleBox@\hologoDriver}{%
1548           }{%
1549             \chardef\Hologo@choice=4 %
1550           }%
1551         }{%

```

```

1552         \chardef\HOLOGO@choice=3 %
1553     }%
1554 }{%-
1555     \chardef\HOLOGO@choice=2 %
1556 }%
1557 }{%-
1558     \chardef\HOLOGO@choice=1 %
1559 }%
1560 \ifcase\HOLOGO@choice
1561     \HOLOGO@WarningUnsupportedDriver{Xe}%
1562     e%
1563 \or % 1: reflectbox
1564     \lower.5ex\hbox{%
1565         \reflectbox{E}%
1566     }%
1567 \or % 2: \pgftext
1568     \lower.5ex\hbox{%
1569         \pgfpicture
1570         \pgftransformxscale{-1}%
1571         \pgftext{E}%
1572         \endpgfpicture
1573     }%
1574 \or % 3: \psscalebox
1575     \lower.5ex\hbox{%
1576         \psscalebox{-1 1}{E}%
1577     }%
1578 \or % 4: \HOLOGO@Reflectbox
1579     \lower.5ex\hbox{%
1580         \HOLOGO@ReflectBox{E}%
1581     }%
1582 \else
1583     \@PackageError{hologo}{Internal error (choice/up)}{\@ehc
1584 }%
1585 \fi
1586 }%
1587 }

```

\HoLogoHtml@Xe

```

1588 \def\HoLogoHtml@Xe#1{%
1589     \HoLogoCss@Xe
1590     \HOLOGO@Span{Xe}{%-
1591         X%
1592         \HOLOGO@Span{e}{%-
1593             \HCode{&\ltx@hashchar x018e;}%
1594         }%
1595     }%
1596 }

```

\HoLogoCss@Xe

```

1597 \def\HoLogoCss@Xe{%
1598     \Css{%
1599         span.HoLogo-Xe span.HoLogo-e{%
1600             position:relative;%
1601             top:.5ex;%
1602             left-margin:-.1em;%
1603         }%
1604     }%
1605     \global\let\HoLogoCss@Xe\relax

```

```

1606 }

\HoLogo@XeTeX
1607 \def\HoLogo@XeTeX#1{%
1608   \hologo{Xe}%
1609   \kern-.15em\relax
1610   \hologo{TeX}%
1611 }

\HoLogoHtml@XeTeX
1612 \def\HoLogoHtml@XeTeX#1{%
1613   \HoLogoCss@XeTeX
1614   \HOLOGO@Span{XeTeX}{%
1615     \hologo{Xe}%
1616     \hologo{TeX}%
1617   }%
1618 }

\HoLogoCss@XeTeX
1619 \def\HoLogoCss@XeTeX{%
1620   \Css{%
1621     span.HoLogo-XeTeX span.HoLogo-TeX{%
1622       margin-left:-.15em;%
1623     }%
1624   }%
1625   \global\let\HoLogoCss@XeTeX\relax
1626 }

\HoLogo@XeLaTeX
1627 \def\HoLogo@XeLaTeX#1{%
1628   \hologo{Xe}%
1629   \kern-.13em%
1630   \hologo{LaTeX}%
1631 }

\HoLogoHtml@XeLaTeX
1632 \def\HoLogoHtml@XeLaTeX#1{%
1633   \HoLogoCss@XeLaTeX
1634   \HOLOGO@Span{XeLaTeX}{%
1635     \hologo{Xe}%
1636     \hologo{LaTeX}%
1637   }%
1638 }

\HoLogoCss@XeLaTeX
1639 \def\HoLogoCss@XeLaTeX{%
1640   \Css{%
1641     span.HoLogo-XeLaTeX span.HoLogo-Xe{%
1642       margin-right:-.13em;%
1643     }%
1644   }%
1645   \global\let\HoLogoCss@XeLaTeX\relax
1646 }

```

2.9.15 pdfTeX, pdfL^AT_EX

\HoLogo@pdfTeX

```
1647 \def\HoLogo@pdfTeX#1{%
1648   \HOLOGO@mbbox{%
1649     #1{p}{P}df\hologo{TeX}%
1650   }%
1651 }
```

\HoLogoCs@pdfTeX

```
1652 \def\HoLogoCs@pdfTeX#1{#1{p}{P}dfTeX}
```

\HoLogoBkm@pdfTeX

```
1653 \def\HoLogoBkm@pdfTeX#1{%
1654   #1{p}{P}df\hologo{TeX}%
1655 }
```

\HoLogoHtml@pdfTeX

```
1656 \let\HoLogoHtml@pdfTeX\HoLogo@pdfTeX
```

\HoLogo@pdfLaTeX

```
1657 \def\HoLogo@pdfLaTeX#1{%
1658   \HOLOGO@mbbox{%
1659     #1{p}{P}df\hologo{LaTeX}%
1660   }%
1661 }
```

\HoLogoCs@pdfLaTeX

```
1662 \def\HoLogoCs@pdfLaTeX#1{#1{p}{P}dfLaTeX}
```

\HoLogoBkm@pdfLaTeX

```
1663 \def\HoLogoBkm@pdfLaTeX#1{%
1664   #1{p}{P}df\hologo{LaTeX}%
1665 }
```

\HoLogoHtml@pdfLaTeX

```
1666 \let\HoLogoHtml@pdfLaTeX\HoLogo@pdfLaTeX
```

2.9.16 V_TE_X

\HoLogo@VTeX

```
1667 \def\HoLogo@VTeX#1{%
1668   \HOLOGO@mbbox{%
1669     V\hologo{TeX}%
1670   }%
1671 }
```

\HoLogoHtml@VTeX

```
1672 \let\HoLogoHtml@VTeX\HoLogo@VTeX
```

2.9.17 \mathcal{AMS} , ...

Source: class amsdtx

\backslash HoLogo@AmS

```
1673 \def\HoLogo@AmS#1{%
1674   \HoLogoFont@font{AmS}{sy}{%
1675     A%
1676     \kern-.1667em%
1677     \lower.5ex\hbox{M}%
1678     \kern-.125em%
1679     S%
1680   }%
1681 }
```

\backslash HoLogoBkm@AmS

```
1682 \def\HoLogoBkm@AmS#1{AmS}
```

\backslash HoLogoHtml@AmS

```
1683 \def\HoLogoHtml@AmS#1{%
1684   \HoLogoCss@AmS
1685 %   \HoLogoFont@font{AmS}{sy}{%
1686     \HOLOGO@Span{AmS}{%
1687       A%
1688       \HOLOGO@Span{M}{M}%
1689       S%
1690     }%
1691 %   }%
1692 }
```

\backslash HoLogoCss@AmS

```
1693 \def\HoLogoCss@AmS{%
1694   \Css{%
1695     span.HoLogo-AmS span.HoLogo-M{%
1696       position:relative;%
1697       top:.5ex;%
1698       margin-left:-.1667em;%
1699       margin-right:-.125em;%
1700       text-decoration:none;%
1701     }%
1702   }%
1703   \global\let\HoLogoCss@AmS\relax
1704 }
```

\backslash HoLogo@AmSTeX

```
1705 \def\HoLogo@AmSTeX#1{%
1706   \hologo{AmS}%
1707   \HOLOGO@hyphen
1708   \hologo{TeX}%
1709 }
```

\backslash HoLogoBkm@AmSTeX

```
1710 \def\HoLogoBkm@AmSTeX#1{AmS-TeX}%
```

\backslash HoLogoHtml@AmSTeX

```
1711 \let\HoLogoHtml@AmSTeX\HoLogo@AmSTeX
```

\HoLogo@AmSLaTeX

```
1712 \def\HoLogo@AmSLaTeX#1{%
1713   \hologo{AMS}%
1714   \HOLOGO@hyphen
1715   \hologo{LaTeX}%
1716 }
```

\HoLogoBkm@AmSLaTeX

```
1717 \def\HoLogoBkm@AmSLaTeX#1{AMS-LaTeX}%
```

\HoLogoHtml@AmSLaTeX

```
1718 \let\HoLogoHtml@AmSLaTeX\HoLogo@AmSLaTeX
```

2.9.18 BIBTEX

\HoLogo@BibTeX@sc A definition of BIBTEX is provided in the documentation source for the manual of BIBTEX [1].

```
\def\BibTeX{%
  {%
    \rm
    B%
    \kern-.05em%
    {%
      \sc
      i%
      \kern-.025em %
      b%
    }%
    \kern-.08em
    T%
    \kern-.1667em%
    \lower.7ex\hbox{E}%
    \kern-.125em%
    X%
  }%
}
```

```
1719 \def\HoLogo@BibTeX@sc#1{%
1720   B%
1721   \kern-.05em%
1722   \HoLogoFont@font{BibTeX}{sc}{%
1723     i%
1724     \kern-.025em%
1725     b%
1726   }%
1727   \HOLOGO@discretionary
1728   \kern-.08em%
1729   \hologo{TeX}%
1730 }
```

\HoLogoHtml@BibTeX@sc

```
1731 \def\HoLogoHtml@BibTeX@sc#1{%
1732   \HoLogoCss@BibTeX@sc
1733   \HOLOGO@Span{BibTeX-sc}{%
1734     B%
1735     \HOLOGO@Span{i}{i}%
1736     \HOLOGO@Span{b}{b}%
1737   }%
```

```

1737   \hologo{TeX}%
1738   }%
1739 }

```

`\HoLogoCss@BibTeX@sc`

```

1740 \def\HoLogoCss@BibTeX@sc{%
1741   \Css{%
1742     span.HoLogo-BibTeX-sc span.HoLogo-i{%
1743       margin-left:-.05em;%
1744       margin-right:-.025em;%
1745       font-variant:small-caps;%
1746     }%
1747   }%
1748   \Css{%
1749     span.HoLogo-BibTeX-sc span.HoLogo-b{%
1750       margin-right:-.08em;%
1751       font-variant:small-caps;%
1752     }%
1753   }%
1754   \global\let\HoLogoCss@BibTeX@sc\relax
1755 }

```

`\HoLogo@BibTeX@sf` Variant sf avoids trouble with unavailable small caps fonts (e.g., bold versions of Computer Modern or Latin Modern). The definition is taken from package `dtklogos` [2].

```

\DeclareRobustCommand{\BibTeX}{%
  B%
  \kern-.05em%
  \hbox{%
    $m@th$ %% force math size calculations
    \csname S@f@size\endcsname
    \fontsize\sf@size\z@
    \math@fontsfalse
    \selectfont
    I%
    \kern-.025em%
    B
  }%
  \kern-.08em%
  \-%
  \TeX
}

```

```

1756 \def\HoLogo@BibTeX@sf#1{%
1757   B%
1758   \kern-.05em%
1759   \HoLogoFont@font{BibTeX}{bibs#1}{%
1760     I%
1761     \kern-.025em%
1762     B%
1763   }%
1764   \HOLOGO@discretionary
1765   \kern-.08em%
1766   \hologo{TeX}%
1767 }

```

`\HoLogoHtml@BibTeX@sf`

```

1768 \def\HoLogoHtml@BibTeX@sf#1{%

```

```

1769 \HoLogoCss@BibTeX@sf
1770 \HOLOGO@Span{BibTeX-sf}{%
1771   B%
1772   \HoLogoFont@font{BibTeX}{bibsff}{%
1773     \HOLOGO@Span{i}{I}%
1774     B%
1775   }%
1776   \hologo{TeX}%
1777 }%
1778 }

```

\HoLogoCss@BibTeX@sf

```

1779 \def\HoLogoCss@BibTeX@sf{%
1780   \Css{%
1781     span.HoLogo-BibTeX-sf span.HoLogo-i{%
1782       margin-left:-.05em;%
1783       margin-right:-.025em;%
1784     }%
1785   }%
1786   \Css{%
1787     span.HoLogo-BibTeX-sf span.HoLogo-TeX{%
1788       margin-left:-.08em;%
1789     }%
1790   }%
1791   \global\let\HoLogoCss@BibTeX@sf\relax
1792 }

```

\HoLogo@BibTeX

```

1793 \def\HoLogo@BibTeX{\HoLogo@BibTeX@sf}

```

\HoLogoHtml@BibTeX

```

1794 \def\HoLogoHtml@BibTeX{\HoLogoHtml@BibTeX@sf}

```

2.9.19 BibTeX8

\HoLogo@BibTeX8

```

1795 \expandafter\def\csname HoLogo@BibTeX8\endcsname#1{%
1796   \hologo{BibTeX}%
1797   8%
1798 }

```

\HoLogoBkm@BibTeX8

```

1799 \expandafter\def\csname HoLogoBkm@BibTeX8\endcsname#1{%
1800   \hologo{BibTeX}%
1801   8%
1802 }

```

\HoLogoHtml@BibTeX8

```

1803 \expandafter
1804 \let\csname HoLogoHtml@BibTeX8\expandafter\endcsname
1805 \csname HoLogo@BibTeX8\endcsname

```

2.9.20 ConTeXt

\HoLogo@ConTeXt@simple

```

1806 \def\HoLogo@ConTeXt@simple#1{%
1807   \HOLOGO@mbox{Con}%

```



```

1808 \HOLOGO@discretionary
1809 \HOLOGO@mbbox{\hologo{TeX}t}%
1810 }

```

`\HoLogoHtml@ConTeXt@simple`

```

1811 \let\HoLogoHtml@ConTeXt@simple\HoLogo@ConTeXt@simple

```

`\HoLogo@ConTeXt@narrow` This definition of logo ConTeXt with variant narrow comes from TUGboat's class ltugboat (version 2010/11/15 v2.8).

```

1812 \def\HoLogo@ConTeXt@narrow#1{%
1813   \HOLOGO@mbbox{C\kern-.0333emon}%
1814   \HOLOGO@discretionary
1815   \kern-.0667em%
1816   \HOLOGO@mbbox{\hologo{TeX}\kern-.0333emt}%
1817 }

```

`\HoLogoHtml@ConTeXt@narrow`

```

1818 \def\HoLogoHtml@ConTeXt@narrow#1{%
1819   \HoLogoCss@ConTeXt@narrow
1820   \HOLOGO@Span{ConTeXt-narrow}{%
1821     \HOLOGO@Span{C}{C}%
1822     on%
1823     \hologo{TeX}%
1824     t%
1825   }%
1826 }

```

`\HoLogoCss@ConTeXt@narrow`

```

1827 \def\HoLogoCss@ConTeXt@narrow{%
1828   \Css{%
1829     span.HoLogo-ConTeXt-narrow span.HoLogo-C{%
1830       margin-left:-.0333em;%
1831     }%
1832   }%
1833   \Css{%
1834     span.HoLogo-ConTeXt-narrow span.HoLogo-TeX{%
1835       margin-left:-.0667em;%
1836       margin-right:-.0333em;%
1837     }%
1838   }%
1839   \global\let\HoLogoCss@ConTeXt@narrow\relax
1840 }

```

`\HoLogo@ConTeXt`

```

1841 \def\HoLogo@ConTeXt{\HoLogo@ConTeXt@narrow}

```

`\HoLogoHtml@ConTeXt`

```

1842 \def\HoLogoHtml@ConTeXt{\HoLogoHtml@ConTeXt@narrow}

```

2.9.21 emTeX

`\HoLogo@emTeX`

```

1843 \def\HoLogo@emTeX#1{%
1844   \HOLOGO@mbbox{#1{e}{E}m}%
1845   \HOLOGO@discretionary
1846   \hologo{TeX}%
1847 }

```

```
\HoLogoCs@emTeX
1848 \def\HoLogoCs@emTeX#1{#1{e}{E}mTeX}%
```

```
\HoLogoBkm@emTeX
1849 \def\HoLogoBkm@emTeX#1{%
1850   #1{e}{E}m\hologo{TeX}%
1851 }
```

```
\HoLogoHtml@emTeX
1852 \let\HoLogoHtml@emTeX\HoLogo@emTeX
```

2.9.22 ϵ_X TeX

\HoLogo@ExTeX The definition is taken from the FAQ of the project ϵ_X TeX [4].

```
\def\ExTeX{%
  \textrm{% Logo always with serifs
    \ensuremath{%
      \textstyle
        \varepsilon_{%
          \kern-0.15em%
            \mathcal{X}}%
        }%
      }%
    \kern-.15em%
  \TeX
}%
}
```

```
1853 \def\HoLogo@ExTeX#1{%
1854   \HoLogoFont@font{ExTeX}{rm}{-%
1855     \ltx@mbbox{%
1856       \HOLOGO@MathSetup
1857       $%
1858       \textstyle
1859       \varepsilon_{%
1860         \kern-0.15em%
1861         \HoLogoFont@font{ExTeX}{sy}{X}%
1862       }%
1863       $%
1864     }%
1865     \HOLOGO@discretionary
1866     \kern-.15em%
1867     \hologo{TeX}%
1868   }%
1869 }
```

```
\HoLogoHtml@ExTeX
1870 \def\HoLogoHtml@ExTeX#1{%
1871   \HoLogoCss@ExTeX
1872   \HoLogoFont@font{ExTeX}{rm}{-%
1873     \HOLOGO@Span{ExTeX}{-%
1874       \ltx@mbbox{%
1875         \HOLOGO@MathSetup
1876         $\textstyle\varepsilon_{%
1877           \HOLOGO@Span{X}{$\textstyle\chi$}%
1878         \hologo{TeX}%
1879       }%
1880     }%
1881   }
```

```

1880   }%
1881   }%
1882 }

```

`\HoLogoBkm@ExTeX`

```

1883 \def\HoLogoBkm@ExTeX#1{%
1884   \HOLOGO@PdfdocUnicode{#1{e}{E}x}{\textepsilon\textchi}%
1885   \hologo{TeX}%
1886 }

```

`\HoLogoCss@ExTeX`

```

1887 \def\HoLogoCss@ExTeX{%
1888   \Css{%
1889     span.HoLogo-ExTeX{%
1890       font-family:serif;%
1891     }%
1892   }%
1893   \Css{%
1894     span.HoLogo-ExTeX span.HoLogo-TeX{%
1895       margin-left:-.15em;%
1896     }%
1897   }%
1898   \global\let\HoLogoCss@ExTeX\relax
1899 }

```

2.9.23 MiKTeX

`\HoLogo@MiKTeX`

```

1900 \def\HoLogo@MiKTeX#1{%
1901   \HOLOGO@mbbox{MiK}%
1902   \HOLOGO@discretionary
1903   \hologo{TeX}%
1904 }

```

`\HoLogoHtml@MiKTeX`

```

1905 \let\HoLogoHtml@MiKTeX\HoLogo@MiKTeX

```

2.9.24 OzTeX and friends

Source: OzTeX FAQ [6]:

```

\def\OzTeX{0\kern-.03em z\kern-.15em\TeX}

```

(There is no kerning in OzMF, OzMP and OzTtH.)

`\HoLogo@OzTeX`

```

1906 \def\HoLogo@OzTeX#1{%
1907   0%
1908   \kern-.03em %
1909   z%
1910   \kern-.15em %
1911   \hologo{TeX}%
1912 }

```

`\HoLogoHtml@OzTeX`

```

1913 \def\HoLogoHtml@OzTeX#1{%
1914   \HoLogoCss@OzTeX
1915   \HOLOGO@Span{OzTeX}%

```

```

1916 0%
1917 \HOLOGO@Span{z}{z}%
1918 \hologo{TeX}%
1919 }%
1920 }

```

\HoLogoCss@OzTeX

```

1921 \def\HoLogoCss@OzTeX{%
1922   \Css{%
1923     span.HoLogo-OzTeX span.HoLogo-z{%
1924       margin-left:-.03em;%
1925       margin-right:-.15em;%
1926     }%
1927   }%
1928   \global\let\HoLogoCss@OzTeX\relax
1929 }

```

\HoLogo@OzMF

```

1930 \def\HoLogo@OzMF#1{%
1931   \HOLOGO@mbbox{OzMF}%
1932 }

```

\HoLogo@OzMP

```

1933 \def\HoLogo@OzMP#1{%
1934   \HOLOGO@mbbox{OzMP}%
1935 }

```

\HoLogo@OzTtH

```

1936 \def\HoLogo@OzTtH#1{%
1937   \HOLOGO@mbbox{OzTtH}%
1938 }

```

2.9.25 PCT_EX

\HoLogo@PCTeX

```

1939 \def\HoLogo@PCTeX#1{%
1940   \HOLOGO@mbbox{PC}%
1941   \hologo{TeX}%
1942 }

```

\HoLogoHtml@PCTeX

```

1943 \let\HoLogoHtml@PCTeX\HoLogo@PCTeX

```

2.9.26 PiCT_EX

The original definitions from `pictex.tex` [7]:

```

\def\PiC{%
  P%
  \kern-.12em%
  \lower.5ex\hbox{I}%
  \kern-.075em%
  C%
}
\def\PiCTeX{%
  \PiC
  \kern-.11em%
  \TeX
}

```

\HoLogo@PiC

```
1944 \def\HoLogo@PiC#1{%
1945   P%
1946   \kern-.12em%
1947   \lower.5ex\hbox{I}%
1948   \kern-.075em%
1949   C%
1950   \HOLOGO@SpaceFactor
1951 }
```

\HoLogoHtml@PiC

```
1952 \def\HoLogoHtml@PiC#1{%
1953   \HoLogoCss@PiC
1954   \HOLOGO@Span{PiC}{%
1955     P%
1956     \HOLOGO@Span{i}{I}%
1957     C%
1958   }%
1959 }
```

\HoLogoCss@PiC

```
1960 \def\HoLogoCss@PiC{%
1961   \Css{%
1962     span.HoLogo-PiC span.HoLogo-i{%
1963       position:relative;%
1964       top:.5ex;%
1965       margin-left:-.12em;%
1966       margin-right:-.075em;%
1967       text-decoration:none;%
1968     }%
1969   }%
1970   \global\let\HoLogoCss@PiC\relax
1971 }
```

\HoLogo@PiCTeX

```
1972 \def\HoLogo@PiCTeX#1{%
1973   \hologo{PiC}%
1974   \HOLOGO@discretionary
1975   \kern-.11em%
1976   \hologo{TeX}%
1977 }
```

\HoLogoHtml@PiCTeX

```
1978 \def\HoLogoHtml@PiCTeX#1{%
1979   \HoLogoCss@PiCTeX
1980   \HOLOGO@Span{PiCTeX}{%
1981     \hologo{PiC}%
1982     \hologo{TeX}%
1983   }%
1984 }
```

\HoLogoCss@PiCTeX

```
1985 \def\HoLogoCss@PiCTeX{%
1986   \Css{%
1987     span.HoLogo-PiCTeX span.HoLogo-PiC{%
1988       margin-right:-.11em;%
1989     }%
1990 }
```

```

1990 }%
1991 \global\let\HoLogoCss@PiCTeX\relax
1992 }

```

2.9.27 teTeX

\HoLogo@teTeX

```

1993 \def\HoLogo@teTeX#1{%
1994 \HLOGO@mbox{#1{t}{T}e}%
1995 \HLOGO@discretionary
1996 \hologo{TeX}%
1997 }

```

\HoLogoCs@teTeX

```

1998 \def\HoLogoCs@teTeX#1{#1{t}{T}dfTeX}

```

\HoLogoBkm@teTeX

```

1999 \def\HoLogoBkm@teTeX#1{%
2000 #1{t}{T}e\hologo{TeX}%
2001 }

```

\HoLogoHtml@teTeX

```

2002 \let\HoLogoHtml@teTeX\HoLogo@teTeX

```

2.9.28 TeX4ht

\HoLogo@TeX4ht

```

2003 \expandafter\def\csname HoLogo@TeX4ht\endcsname#1{%
2004 \HLOGO@mbox{\hologo{TeX}4ht}%
2005 }

```

\HoLogoHtml@TeX4ht

```

2006 \expandafter
2007 \let\csname HoLogoHtml@TeX4ht\expandafter\endcsname
2008 \csname HoLogo@TeX4ht\endcsname

```

2.9.29 SageTeX

\HoLogo@SageTeX

```

2009 \def\HoLogo@SageTeX#1{%
2010 \HLOGO@mbox{Sage}%
2011 \HLOGO@discretionary
2012 \HLOGO@NegativeKerning{eT,oT,To}%
2013 \hologo{TeX}%
2014 }

```

\HoLogoHtml@SageTeX

```

2015 \let\HoLogoHtml@SageTeX\HoLogo@SageTeX

```

2.10 METAFONT and friends

\HoLogo@METAFONT

```

2016 \def\HoLogo@METAFONT#1{%
2017 \HoLogoFont@font{METAFONT}{logo}{%
2018 \HLOGO@mbox{META}%
2019 \HLOGO@discretionary

```

```

2020 \Hologo@mbox{FONT}%
2021 }%
2022 }

```

\HoLogo@METAPOST

```

2023 \def\HoLogo@METAPOST#1{%
2024 \HoLogoFont@font{METAPOST}{logo}{%
2025 \Hologo@mbox{META}%
2026 \Hologo@discretionary
2027 \Hologo@mbox{POST}%
2028 }%
2029 }

```

\HoLogo@MetaFun

```

2030 \def\HoLogo@MetaFun#1{%
2031 \Hologo@mbox{Meta}%
2032 \Hologo@discretionary
2033 \Hologo@mbox{Fun}%
2034 }

```

\HoLogo@MetaPost

```

2035 \def\HoLogo@MetaPost#1{%
2036 \Hologo@mbox{Meta}%
2037 \Hologo@discretionary
2038 \Hologo@mbox{Post}%
2039 }

```

2.11 Others

2.11.1 biber

\HoLogo@biber

```

2040 \def\HoLogo@biber#1{%
2041 \Hologo@mbox{#1{b}{B}i}%
2042 \Hologo@discretionary
2043 \Hologo@mbox{ber}%
2044 }

```

\HoLogoCs@biber

```

2045 \def\HoLogoCs@biber#1{#1{b}{B}iber}

```

\HoLogoBkm@biber

```

2046 \def\HoLogoBkm@biber#1{%
2047 #1{b}{B}iber%
2048 }

```

\HoLogoHtml@biber

```

2049 \let\HoLogoHtml@biber\HoLogo@biber

```

2.11.2 KOMA-Script

\HoLogo@KOMAScript The definition for KOMA-Script is taken from KOMA-Script (scrlogo.dtx, reformatted) [8]:

```

\@ifundefined{KOMAScript}{%
\DeclareRobustCommand{\KOMAScript}{%
\textsf{%

```

```

        K\kern.05em O\kern.05emM\kern.05em A%
        \kern.1em-\kern.1em %
        Script%
    }%
}
}{}

```

```

2050 \def\HoLogo@KOMAScript#1{%
2051   \HoLogoFont@font{KOMAScript}{sf}{%
2052     \HOLOGO@mbox{%
2053       K\kern.05em%
2054       O\kern.05em%
2055       M\kern.05em%
2056       A%
2057     }%
2058     \kern.1em%
2059     \HOLOGO@hyphen
2060     \kern.1em%
2061     \HOLOGO@mbox{Script}%
2062   }%
2063 }

```

\HoLogoBkm@KOMAScript

```

2064 \def\HoLogoBkm@KOMAScript#1{%
2065   KOMA-Script%
2066 }

```

\HoLogoHtml@KOMAScript

```

2067 \def\HoLogoHtml@KOMAScript#1{%
2068   \HoLogoCss@KOMAScript
2069   \HoLogoFont@font{KOMAScript}{sf}{%
2070     \HOLOGO@Span{KOMAScript}{%
2071       K%
2072       \HOLOGO@Span{O}{O}%
2073       M%
2074       \HOLOGO@Span{A}{A}%
2075       \HOLOGO@Span{hyphen}{-}%
2076       Script%
2077     }%
2078   }%
2079 }

```

\HoLogoCss@KOMAScript

```

2080 \def\HoLogoCss@KOMAScript{%
2081   \Css{%
2082     span.HoLogo-KOMAScript{%
2083       font-family:sans-serif;%
2084     }%
2085   }%
2086   \Css{%
2087     span.HoLogo-KOMAScript span.HoLogo-O{%
2088       padding-left:.05em;%
2089       padding-right:.05em;%
2090     }%
2091   }%
2092   \Css{%
2093     span.HoLogo-KOMAScript span.HoLogo-A{%
2094       padding-left:.05em;%

```



```

2095   }%
2096 }%
2097 \Css{%
2098   span.HoLogo-KOMAScript span.HoLogo-hyphen{%
2099     padding-left:.1em;%
2100     padding-right:.1em;%
2101   }%
2102 }%
2103 \global\let\HoLogoCss@KOMAScript\relax
2104 }

```

2.11.3 LyX

\HoLogo@LyX The definition is taken from the documentation source files of LyX, Intro.lyx [5]:

```

\def\LyX{%
  \texorpdfstring{%
    L\kern-.1667em\lower.25em\hbox{Y}\kern-.125emX\@%
  }{%
    LyX%
  }%
}

2105 \def\HoLogo@LyX#1{%
2106   L%
2107   \kern-.1667em%
2108   \lower.25em\hbox{Y}%
2109   \kern-.125em%
2110   X%
2111   \HOLOGO@SpaceFactor
2112 }

```

\HoLogoHtml@LyX

```

2113 \def\HoLogoHtml@LyX#1{%
2114   \HoLogoCss@LyX
2115   \HOLOGO@Span{LyX}{%
2116     L%
2117     \HOLOGO@Span{y}{Y}%
2118     X%
2119   }%
2120 }

```

\HoLogoCss@LyX

```

2121 \def\HoLogoCss@LyX{%
2122   \Css{%
2123     span.HoLogo-LyX span.HoLogo-y{%
2124       position:relative;%
2125       top:.25em;%
2126       margin-left:-.1667em;%
2127       margin-right:-.125em;%
2128       text-decoration:none;%
2129     }%
2130   }%
2131   \global\let\HoLogoCss@LyX\relax
2132 }

```

2.11.4 $\mathcal{N}\mathcal{S}$

\HoLogo@NTS Definition for $\mathcal{N}\mathcal{S}$ can be found in package etex.man for the ε -TeX manual [3] and in package dtklogos [2]:

```

\def\NTS{%
  \leavevmode
  \hbox{%
    $%
    \cal N%
    \kern-0.35em%
    \lower0.5ex\hbox{$\cal T$}%
    \kern-0.2em%
    S%
    $%
  }%
}

2133 \def\HoLogo@NTS#1{%
2134   \HoLogoFont@font{NTS}{sy}{%
2135     N\%
2136     \kern-.35em%
2137     \lower.5ex\hbox{T\}%
2138     \kern-.2em%
2139     S\%
2140   }%
2141   \HOLOGO@SpaceFactor
2142 }

```

2.11.5 T_TH (T_EX to HTML translator)

Source: <http://hutchinson.belmont.ma.us/tth/> In the HTML source the second ‘T’ is printed as subscript.

T_TH

\HoLogo@TTH

```

2143 \def\HoLogo@TTH#1{%
2144   \ltx@mbox{%
2145     T\HOLOGO@SubScript{T}H%
2146   }%
2147   \HOLOGO@SpaceFactor
2148 }

```

\HoLogo@Html@TTH

```

2149 \def\HoLogo@Html@TTH#1{%
2150   T\HCode{<sub>}T\HCode{</sub>}H%
2151 }

```

2.11.6 Hàn Thế Thành

Partial source: Package dtklogos. The double accent is U+1EBF (latin small letter e with circumflex and acute).

\HoLogo@HanTheThanh

```

2152 \def\HoLogo@HanTheThanh#1{%
2153   \ltx@mbox{H\‘an}%
2154   \HOLOGO@space
2155   \ltx@mbox{%
2156     Th%
2157     \HOLOGO@IfCharExists{"1EBF}{%
2158       \char"1EBF\relax
2159   }{%

```

```

2160     \^e\hbox to 0pt{\hss\raise .5ex\hbox{\'}{}}%
2161   }%
2162 }%
2163 \HOLOGO@space
2164 \ltx@mbox{Th\'anh}%
2165 }

```

\HoLogoBkm@HanTheThanh

```

2166 \def\HoLogoBkm@HanTheThanh#1{%
2167   H\'an %
2168   Th\HOLOGO@PdfdocUnicode{\^e}{\9036\277} %
2169   Th\'anh%
2170 }

```

\HoLogoHtml@HanTheThanh

```

2171 \def\HoLogoHtml@HanTheThanh#1{%
2172   H\'an %
2173   Th\HCode{&\ltx@hashchar x1ebf;} %
2174   Th\'anh%
2175 }

```

2.12 Driver detection

```

2176 \HOLOGO@IfExists\InputIfFileExists{%
2177   \InputIfFileExists{hologo.cfg}{-}{-}%
2178 }{%
2179   \ltx@ifundefined{pdf@filesize}{%
2180     \def\HOLOGO@InputIfExists{%
2181       \openin\HOLOGO@temp=hologo.cfg\relax
2182       \ifeof\HOLOGO@temp
2183         \closein\HOLOGO@temp
2184       \else
2185         \closein\HOLOGO@temp
2186         \begingroup
2187           \def\x{LaTeX2e}%
2188           \expandafter\endgroup
2189           \ifx\fmtname\x
2190             \input{hologo.cfg}%
2191           \else
2192             \input hologo.cfg\relax
2193           \fi
2194         \fi
2195       }%
2196     \ltx@ifundefined{newread}{%
2197       \chardef\HOLOGO@temp=15 %
2198       \def\HOLOGO@CheckRead{%
2199         \ifeof\HOLOGO@temp
2200           \HOLOGO@InputIfExists
2201         \else
2202           \ifcase\HOLOGO@temp
2203             \@PackageWarningNoLine{hologo}{%
2204               Configuration file ignored, because\MessageBreak
2205               a free read register could not be found%
2206             }%
2207           \else
2208             \begingroup
2209               \count\ltx@cclv=\HOLOGO@temp
2210               \advance\ltx@cclv by \ltx@minusone

```

```

2211         \edef\x{\endgroup
2212             \chardef\HOLOGO@temp=\the\count\ltx@cclv
2213             \relax
2214         }%
2215     \x
2216     \fi
2217 \fi
2218 }%
2219 }{%
2220     \csname newread\endcsname\HOLOGO@temp
2221     \HOLOGO@InputIfExists
2222 }%
2223 }{%
2224     \edef\HOLOGO@temp{\pdf@filesize{hologo.cfg}}%
2225     \ifx\HOLOGO@temp\ltx@empty
2226     \else
2227         \ifnum\HOLOGO@temp>0 %
2228             \begingroup
2229                 \def\x{LaTeX2e}%
2230                 \expandafter\endgroup
2231                 \ifx\fmtname\x
2232                     \input{hologo.cfg}%
2233                 \else
2234                     \input hologo.cfg\relax
2235                 \fi
2236             \else
2237                 \@PackageInfoNoLine{hologo}{%
2238                     Empty configuration file 'hologo.cfg' ignored%
2239                 }%
2240             \fi
2241         \fi
2242     }%
2243 }
2244 \def\HOLOGO@temp#1#2{%
2245     \kv@define@key{HoLogoDriver}{#1}[]{}%
2246     \begingroup
2247         \def\HOLOGO@temp{##1}%
2248         \ltx@onelevel@sanitize\HOLOGO@temp
2249         \ifx\HOLOGO@temp\ltx@empty
2250         \else
2251             \@PackageError{hologo}{%
2252                 Value (\HOLOGO@temp) not permitted for option '#1'%
2253             }%
2254             \@ehc
2255         \fi
2256     \endgroup
2257     \def\hologoDriver{#2}%
2258 }%
2259 }%
2260 \def\HOLOGO@temp#1#2{%
2261     \ifx\kv@value\relax
2262         \HOLOGO@temp{#1}{#1}%
2263     \else
2264         \HOLOGO@temp{#1}{#2}%
2265     \fi
2266 }%
2267 \kv@parse@normalized{%
2268     pdftex,%

```

```

2269 luatex=pdftex,%
2270 dvipdfm,%
2271 dvipdfmx=dvipdfm,%
2272 dvips,%
2273 dvipsone=dvips,%
2274 xdvi=dvips,%
2275 xetex,%
2276 vtex,%
2277 }\HOLOGO@temp

2278 \kv@define@key{HoLogoDriver}{driverfallback}{%
2279 \def\HOLOGO@DriverFallback{#1}%
2280 }

\HOLOGO@DriverFallback

2281 \def\HOLOGO@DriverFallback{dvips}

\hologoDriverSetup

2282 \def\hologoDriverSetup{%
2283 \let\hologoDriver\ltx@undefined
2284 \HOLOGO@DriverSetup
2285 }

\HOLOGO@DriverSetup

2286 \def\HOLOGO@DriverSetup#1{%
2287 \kvsetkeys{HoLogoDriver}{#1}%
2288 \HOLOGO@CheckDriver
2289 \ltx@ifundefined{hologoDriver}{%
2290 \begingroup
2291 \edef\x{\endgroup
2292 \noexpand\kvsetkeys{HoLogoDriver}{\HOLOGO@DriverFallback}%
2293 }\x
2294 }{}%
2295 \@PackageInfoNoLine{hologo}{Using driver ‘\hologoDriver’}%
2296 }

\HOLOGO@CheckDriver

2297 \def\HOLOGO@CheckDriver{%
2298 \ifpdf
2299 \def\hologoDriver{pdftex}%
2300 \let\HOLOGO@pdfliteral\pdfliteral
2301 \ifluatex
2302 \ifx\pdfextension\@undefined\else
2303 \protected\def\pdfliteral{\pdfextension literal}%
2304 \let\HOLOGO@pdfliteral\pdfliteral
2305 \fi
2306 \ltx@ifundefined{HOLOGO@pdfliteral}{%
2307 \ifnum\luatexversion<36 %
2308 \else
2309 \begingroup
2310 \let\HOLOGO@temp\endgroup
2311 \ifcase0%
2312 \directlua{%
2313 if tex.enableprimitives then %
2314 tex.enableprimitives('HOLOGO@', {'pdfliteral'})%
2315 else %
2316 tex.print('1')%
2317 end%
2318 }%

```

```

2319         \ifx\HOLOGO@pdfliteral\@undefined 1\fi%
2320         \relax%
2321         \endgroup
2322         \let\HOLOGO@temp\relax
2323         \global\let\HOLOGO@pdfliteral\HOLOGO@pdfliteral
2324         \fi%
2325         \HOLOGO@temp
2326         \fi
2327     }{}%
2328 \fi
2329 \ltx@ifundefined{HOLOGO@pdfliteral}{%
2330     \@PackageWarningNoLine{hologo}{%
2331         Cannot find \string\pdfliteral
2332     }%
2333 }{}%
2334 \else
2335     \ifxetex
2336         \def\hologoDriver{xetex}%
2337     \else
2338         \ifvtex
2339             \def\hologoDriver{vtex}%
2340         \fi
2341     \fi
2342 \fi
2343 }

```

HOLOGO@WarningUnsupportedDriver

```

2344 \def\HOLOGO@WarningUnsupportedDriver#1{%
2345     \@PackageWarningNoLine{hologo}{%
2346         Logo ‘#1’ needs driver specific macros.\MessageBreak
2347         but driver ‘\hologoDriver’ is not supported.\MessageBreak
2348         Use a different driver or\MessageBreak
2349         load package ‘graphics’ or ‘pgf’%
2350     }%
2351 }

```

2.12.1 Reflect box macros

Skip driver part if not needed.

```

2352 \ltx@ifundefined{reflectbox}{}{}%
2353 \ltx@ifundefined{rotatebox}{}{}%
2354     \HOLOGO@AtEnd
2355 }%
2356 }
2357 \ltx@ifundefined{pgftext}{}{}%
2358     \HOLOGO@AtEnd
2359 }
2360 \ltx@ifundefined{psscalebox}{}{}%
2361     \HOLOGO@AtEnd
2362 }
2363 \def\HOLOGO@temp{LaTeX2e}
2364 \ifx\fmtname\HOLOGO@temp
2365     \RequirePackage{kvoptions}[2011/06/30]%
2366     \ProcessKeyvalOptions{HoLogoDriver}%
2367 \fi
2368 \HOLOGO@DriverSetup{}

```

\HOLOGO@ReflectBox

```
2369 \def\HOLOGO@ReflectBox#1{%
2370   \begingroup
2371   \setbox\ltx@zero\hbox{\begingroup#1\endgroup}%
2372   \setbox\ltx@two\hbox{%
2373     \kern\wd\ltx@zero
2374     \csname HOLOGO@ScaleBox@\hologoDriver\endcsname{-1}{1}{%
2375       \hbox to Opt{\copy\ltx@zero\hss}%
2376     }%
2377   }%
2378   \wd\ltx@two=\wd\ltx@zero
2379   \box\ltx@two
2380 \endgroup
2381 }
```

\HOLOGO@PointReflectBox

```
2382 \def\HOLOGO@PointReflectBox#1{%
2383   \begingroup
2384   \setbox\ltx@zero\hbox{\begingroup#1\endgroup}%
2385   \setbox\ltx@two\hbox{%
2386     \kern\wd\ltx@zero
2387     \raise\ht\ltx@zero\hbox{%
2388       \csname HOLOGO@ScaleBox@\hologoDriver\endcsname{-1}{-1}{%
2389         \hbox to Opt{\copy\ltx@zero\hss}%
2390       }%
2391     }%
2392   }%
2393   \wd\ltx@two=\wd\ltx@zero
2394   \box\ltx@two
2395 \endgroup
2396 }
```

We must define all variants because of dynamic driver setup.

```
2397 \def\HOLOGO@temp#1#2{#2}
```

\HOLOGO@ScaleBox@pdftex

```
2398 \HOLOGO@temp{pdftex}{%
2399   \def\HOLOGO@ScaleBox@pdftex#1#2#3{%
2400     \HOLOGO@pdfliteral{%
2401       q #1 0 0 #2 0 0 cm%
2402     }%
2403     #3%
2404     \HOLOGO@pdfliteral{%
2405       Q%
2406     }%
2407   }%
2408 }
```

\HOLOGO@ScaleBox@dvi

```
2409 \HOLOGO@temp{dvips}{%
2410   \def\HOLOGO@ScaleBox@dvi#1#2#3{%
2411     \special{ps:%
2412       gsave %
2413       currentpoint %
2414       currentpoint translate %
2415       #1 #2 scale %
2416       neg exch neg exch translate%
2417     }%

```

```

2418   #3%
2419   \special{ps:%
2420     currentpoint %
2421     grestore %
2422     moveto%
2423   }%
2424 }%
2425 }

```

`\Hologo@ScaleBox@dvipdfm`

```

2426 \Hologo@temp{dvipdfm}{%
2427   \let\Hologo@ScaleBox@dvipdfm\Hologo@ScaleBox@dvi
2428 }

```

Since X_YT_EX v0.6.

`\Hologo@ScaleBox@xetex`

```

2429 \Hologo@temp{xetex}{%
2430   \def\Hologo@ScaleBox@xetex#1#2#3{%
2431     \special{x:gsave}%
2432     \special{x:scale #1 #2}%
2433     #3%
2434     \special{x:grestore}%
2435   }%
2436 }

```

`\Hologo@ScaleBox@vtex`

```

2437 \Hologo@temp{vtex}{%
2438   \def\Hologo@ScaleBox@vtex#1#2#3{%
2439     \special{r(#1,0,0,#2,0,0)%
2440     #3%
2441     \special{r}}%
2442   }%
2443 }

2444 \Hologo@AtEnd%
2445 </package>

```

3 Installation

3.1 Download

Package. This package is available on CTAN¹:

[CTAN:macros/latex/contrib/hologo/hologo.dtx](#) The source file.

[CTAN:macros/latex/contrib/hologo/hologo.pdf](#) Documentation.

Bundle. All the packages of the bundle ‘hologo’ are also available in a TDS compliant ZIP archive. There the packages are already unpacked and the documentation files are generated. The files and directories obey the TDS standard.

[CTAN:install/macros/latex/contrib/hologo.tds.zip](#)

TDS refers to the standard “A Directory Structure for T_EX Files” ([CTAN:pkg/tds](#)). Directories with `texmf` in their name are usually organized this way.

¹[CTAN:pkg/hologo](#)

3.2 Bundle installation

Unpacking. Unpack the `hologo.tds.zip` in the TDS tree (also known as `texmf` tree) of your choice. Example (linux):

```
unzip hologo.tds.zip -d ~/texmf
```

3.3 Package installation

Unpacking. The `.dtx` file is a self-extracting `docstrip` archive. The files are extracted by running the `.dtx` through plain `TEX`:

```
tex hologo.dtx
```

TDS. Now the different files must be moved into the different directories in your installation TDS tree (also known as `texmf` tree):

```
hologo.sty           → tex/generic/hologo/hologo.sty
hologo.pdf           → doc/latex/hologo/hologo.pdf
example/hologo-example.tex → doc/latex/hologo/example/hologo-example.tex
hologo.dtx           → source/latex/hologo/hologo.dtx
```

If you have a `docstrip.cfg` that configures and enables `docstrip`'s TDS installing feature, then some files can already be in the right place, see the documentation of `docstrip`.

3.4 Refresh file name databases

If your `TEX` distribution (`TEX Live`, `mikTEX`, ...) relies on file name databases, you must refresh these. For example, `TEX Live` users run `texhash` or `mktexlsr`.

3.5 Some details for the interested

Unpacking with \LaTeX . The `.dtx` chooses its action depending on the format:

plain `TEX`: Run `docstrip` and extract the files.

\LaTeX : Generate the documentation.

If you insist on using \LaTeX for `docstrip` (really, `docstrip` does not need \LaTeX), then inform the `autodetect` routine about your intention:

```
latex \let\install=y\input{hologo.dtx}
```

Do not forget to quote the argument according to the demands of your shell.

Generating the documentation. You can use both the `.dtx` or the `.drv` to generate the documentation. The process can be configured by the configuration file `ltxdoc.cfg`. For instance, put this line into this file, if you want to have A4 as paper format:

```
\PassOptionsToClass{a4paper}{article}
```

An example follows how to generate the documentation with `pdf \LaTeX` :

```
pdflatex hologo.dtx
makeindex -s gind.ist hologo.idx
pdflatex hologo.dtx
makeindex -s gind.ist hologo.idx
pdflatex hologo.dtx
```

4 References

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- [4] The ε_X TEX group, *ε_X TEX: FAQ – How is ε_X TEX typeset?*, 2007-04-14.
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- [7] Michael Wichura, *The P \mathcal{I} CT \mathcal{E} X macro package*, 1987-09-21. [CTAN:pkg/pictex](#)
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[CTAN:install/macros/latex/contrib/koma-script.tds.zip](#)

5 History

[2010/04/08 v1.0]

- The first version.

[2010/04/16 v1.1]

- `\Hologo` added for support of logos at start of a sentence.
- `\hologoSetup` and `\hologoLogoSetup` added.
- Options `break`, `hyphenbreak`, `spacebreak` added.
- Variant support added by option `variant`.

[2010/04/24 v1.2]

- L \mathcal{A} T \mathcal{E} X3 added.
- V \mathcal{T} E \mathcal{X} added.

[2010/11/21 v1.3]

- `ini \mathcal{T} E \mathcal{X}` , `vir \mathcal{T} E \mathcal{X}` added.

[2011/03/25 v1.4]

- `Con \mathcal{T} E \mathcal{X} t` with variants added.
- Option `discretionarybreak` added as refinement for option `break`.

[2011/04/21 v1.5]

- Wrong TDS directory for test files fixed.

[2011/10/01 v1.6]

- Support for package `tex4ht` added.
- Support for `\csname` added if `\ifincsname` is available.
- New logos: \LaTeX , `biber`, \BibTeX (`sc`, `sf`), `emTeX`, $\epsilon_X\TeX$, KOMA-Script, \LaTeX , `LYX`, MiKTeX , $\mathcal{N}\mathcal{S}$, `OzMF`, `OzMP`, `OzTeX`, `OzTtH`, `PCTeX`, `PIC`, `PICTeX`, `METAFont`, `MetaFun`, `METAPOST`, `MetaPost`, $\text{SL}\TeX$ (`lift`, `narrow`, `simple`), $\text{Sl}\TeX$ (`narrow`, `simple`, `lift`), `teTeX`.
- Fixes: `iniTeX`, `pdfLaTeX`, `pdfTeX`, `virTeX`.
- `\hologoFontSetup` and `\hologoLogoFontSetup` added.
- `\hologoVariant` and `\HologoVariant` added.

[2011/11/22 v1.7]

- New logos: BibTeX8 , LaTeXML , `SageTeX`, `TeX4ht`, `TtH`.
- $X_{\mathbb{F}}$ and friends: Driver stuff fixed.
- $X_{\mathbb{F}}$ and friends: Support for italic added.
- $X_{\mathbb{F}}$ and friends: Package support for `pgf` and `pstricks` added.

[2011/11/29 v1.8]

- New logos: Hàn Thế Thành.

[2011/12/21 v1.9]

- Patch for package `ifxetex` added for the case that `\newif` is undefined in `iniTeX`.
- Some fixes for `iniTeX`.

[2012/04/26 v1.10]

- Fix in bookmark version of logo “Hàn Thế Thành”.

[2016/05/12 v1.11]

- Update `HOLOGO@IfCharExists` (previously in `texlive`)
- define `pdfliteral` in current `luatex`.

[2016/05/16 v1.12]

- Documentation updates.

[2017/05/01 v1.13]

- Removing spurious comments in bibliography. (github PR from yudai-nkt)

- Documentation updates.

6 Index

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