

# The `hologo` package

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2026-04-02 v1.17

## 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)TeX	2011/10/01
AmSLaTeX		$\mathcal{A}\mathcal{M}\mathcal{S}\text{-}\text{L}\text{A}\text{T}\text{E}\text{X}$	2010/04/16
AmSTeX		$\mathcal{A}\mathcal{M}\mathcal{S}\text{-}\text{T}\text{E}\text{X}$	2010/04/16
ApLaTeX		Ap $\text{L}\text{A}\text{T}\text{E}\text{X}$	2025/11/11
ApTeX		Ap $\text{T}\text{E}\text{X}$	2025/11/11
biber		biber	2011/10/01
BibTeX		Bib $\text{T}\text{E}\text{X}$	2011/10/01
BibTeX	sc	Bib $\text{T}\text{E}\text{X}$	2011/10/01
BibTeX	sf	Bib $\text{T}\text{E}\text{X}$	2011/10/01
BibTeX8		Bib $\text{T}\text{E}\text{X}8$	2011/11/22
ConTeXt		Con $\text{T}\text{E}\text{X}t$	2011/03/25
ConTeXt	narrow	Con $\text{T}\text{E}\text{X}t$	2011/03/25
ConTeXt	simple	Con $\text{T}\text{E}\text{X}t$	2011/03/25
DVIPDFMx		DVIPDFMx	2025/11/11
emTeX		em $\text{T}\text{E}\text{X}$	2010/04/26
eTeX		$\varepsilon\text{-}\text{T}\text{E}\text{X}$	2010/04/08
ExTeX		$\varepsilon_X\text{T}\text{E}\text{X}$	2011/10/01
HanTheThanh		Hàn Thế Thành	2011/11/29
iniTeX		ini $\text{T}\text{E}\text{X}$	2011/10/01
KOMAScript		KOMA-Script	2011/10/01
La		L $\text{A}$	2010/05/08
LaTeX		L $\text{A}\text{T}\text{E}\text{X}$	2010/04/08
LaTeX2e		L $\text{A}\text{T}\text{E}\text{X} 2_{\varepsilon}$	2010/04/08
LaTeX3		L $\text{A}\text{T}\text{E}\text{X}3$	2010/04/24
LaTeXe		L $\text{A}\text{T}\text{E}\text{X} 2_{\varepsilon}$	2010/04/08
LaTeXML		L $\text{A}\text{T}\text{E}\text{X}\text{ML}$	2011/11/22
LaTeXTeX		(L)TeX	2011/10/01
LuaLaTeX		LuaL $\text{A}\text{T}\text{E}\text{X}$	2010/04/08
LuaTeX		Lua $\text{T}\text{E}\text{X}$	2010/04/08
LyX		L $\text{Y}\text{X}$	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 $\text{T}\text{E}\text{X}$	2011/10/01
NTS		$\mathcal{N}\mathcal{T}\mathcal{S}$	2011/10/01

name	variant	logo	since
OzMF		OzMF	2011/10/01
OzMP		OzMP	2011/10/01
OzTeX		OzTeX	2011/10/01
OzTtH		OzTtH	2011/10/01
PCTeX		PCTeX	2011/10/01
pdfTeX		pdfTeX	2011/10/01
pdfLaTeX		pdfLaTeX	2011/10/01
PiC		PiC	2011/10/01
PiCTeX		PiCTeX	2011/10/01
plainTeX		plain TeX	2010/04/08
plainTeX	hyphen	plain-TeX	2010/04/16
plainTeX	runtogether	plainTeX	2010/04/16
plainTeX	space	plain TeX	2010/04/16
pLaTeX		pLaTeX	2025/11/11
pTeX		pTeX	2025/11/11
SageTeX		SageTeX	2011/11/22
SLiTeX		SLiTeX	2011/10/01
SLiTeX	lift	SLiTeX	2011/10/01
SLiTeX	narrow	SLiTeX	2011/10/01
SLiTeX	simple	SLiTeX	2011/10/01
SliTeX		SliTeX	2011/10/01
SliTeX	lift	SliTeX	2011/10/01
SliTeX	narrow	SliTeX	2011/10/01
SliTeX	simple	SliTeX	2011/10/01
teTeX		teTeX	2011/10/01
TeX		TeX	2010/04/08
TeX4ht		TeX4ht	2011/11/22
TeXLive		TeX Live	2025/11/11
TTH		TTH	2011/11/22
upLaTeX		upLaTeX	2025/11/11
upTeX		upTeX	2025/11/11
virTeX		virTeX	2011/10/01
VTex		VTex	2010/04/24
Xe		X <sub>E</sub>	2010/04/08
XeLaTeX		X <sub>E</sub> LaTeX	2010/04/08
XeTeX		X <sub>E</sub> TeX	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  $\varepsilon$ -TeX and  $\varepsilon_X$ TeX.

## 1.2 Setup macros

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

`\hologoSetup {⟨key value list⟩}`

Macro `\hologoSetup` sets global options.

`\hologoLogoSetup {<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.  $X_{\mathbb{T}}\mathrm{TeX}$ ). 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,  $X_{\mathbb{T}}\mathrm{TeX}$ ,  $V\mathrm{TeX}$ ). 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  $\mathrm{TeX}$  to setup the driver.

## 1.5 Font setup

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

$\text{\hologoFontSetup}$   $\{ \langle key\ value\ list \rangle \}$

Macro  $\text{\hologoFontSetup}$  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  $\text{\BibTeX}$  with variant  $\text{\sf}$ .

**rm:** This font is a serif font. It is used for  $\text{\epsilon_X\TeX}$ .

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

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

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

**logo:** METAFONT and METAPOST are using that font. In  $\text{\LaTeX}$   $\text{\logofamily}$  is used and the definitions of package  $\text{\mflogo}$  are used if the package is not loaded. Otherwise the  $\text{\tenlogo}$  is used and defined if it does not already exists.

$\text{\hologoLogoFontSetup}$   $\{ \langle logo \rangle \} \{ \langle key\ value\ list \rangle \}$

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

$\langle logo \rangle$	keys	result
$\text{\BibTeX}$	bibsf	$\text{\BibTeX}$
$\text{\BibTeX}$	sc	$\text{\BibTeX}$
$\text{\ExTeX}$	rm	$\text{\epsilon_X\TeX}$
$\text{\SliTeX}$	rm	$\text{\SLiTeX}$
$\text{\AmS}$	sy	$\mathcal{M}\mathcal{S}$
$\text{\ExTeX}$	sy	$\text{\epsilon_X\TeX}$
$\text{\NTS}$	sy	$\mathcal{N}\mathcal{T}\mathcal{S}$
$\text{\KOMAScript}$	sf	KOMA-Script
$\text{\METAFONT}$	logo	$\text{\METAFONT}$
$\text{\METAPOST}$	logo	$\text{\METAPOST}$
$\text{\SliTeX}$	sc	$\text{\SLiTeX}$

### 1.5.1 Font order

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

$\text{\hologoFontSetup}\{\text{\general}=\text{\color{red}}\}$

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

### 1.5.2 Example of font setup

The following shows how the different font keys affect the logos. It has been typeset with

```
\hologoFontSetup{%
  sc=\color{red},
  bibsf=\color{green},
  rm=\color{blue},
  sy=\color{yellow},
  logo=\color{brown}}
```

(L <sup>A</sup> )T <sub>E</sub> X	OzMF
A <sub>M</sub> S-L <sup>A</sup> T <sub>E</sub> X	OzMP
A <sub>M</sub> S-T <sub>E</sub> X	OzT <sub>E</sub> X
ApL <sup>A</sup> T <sub>E</sub> X	OzTtH
ApT <sub>E</sub> X	PCT <sub>E</sub> X
biber	pdfT <sub>E</sub> X
BIBT <sub>E</sub> X	pdfL <sup>A</sup> T <sub>E</sub> X
Bi <sup>sc</sup> T <sub>E</sub> X (sc)	P <sub>I</sub> C
BIBT <sub>E</sub> X (sf)	P <sub>I</sub> CT <sub>E</sub> X
BIBT <sub>E</sub> X8	plain T <sub>E</sub> X
ConT <sub>E</sub> Xt	plain-T <sub>E</sub> X (hyphen)
ConT <sub>E</sub> Xt (narrow)	plainT <sub>E</sub> X (runtogether)
ConT <sub>E</sub> Xt (simple)	plain T <sub>E</sub> X (space)
DVIPDFM <sub>x</sub>	pL <sup>A</sup> T <sub>E</sub> X
emT <sub>E</sub> X	pT <sub>E</sub> X
ε-T <sub>E</sub> X	SageT <sub>E</sub> X
ε <sub>x</sub> T <sub>E</sub> X	SL <sup>i</sup> T <sub>E</sub> X
Hàn Thê Thành	SL <sup>i</sup> T <sub>E</sub> X (lift)
iniT <sub>E</sub> X	SliT <sub>E</sub> X (narrow)
KOMA-Script	SliT <sub>E</sub> X (simple)
L <sup>A</sup>	SliT <sub>E</sub> X
L <sup>A</sup> T <sub>E</sub> X	SL <sup>i</sup> T <sub>E</sub> X (lift)
L <sup>A</sup> T <sub>E</sub> X 2 <sub>ε</sub>	SliT <sub>E</sub> X (narrow)
L <sup>A</sup> T <sub>E</sub> X3	SliT <sub>E</sub> X (simple)
L <sup>A</sup> T <sub>E</sub> X 2 <sub>ε</sub>	teT <sub>E</sub> X
L <sup>A</sup> T <sub>E</sub> xml	T <sub>E</sub> X
(L <sup>A</sup> )T <sub>E</sub> X	T <sub>E</sub> X4ht
LuaL <sup>A</sup> T <sub>E</sub> X	T <sub>E</sub> X Live
LuaT <sub>E</sub> X	T <sub>T</sub> H
LyX	upL <sup>A</sup> T <sub>E</sub> X
METAFont	upT <sub>E</sub> X
MetaFun	virT <sub>E</sub> X
METAPOST	VT <sub>E</sub> X
MetaPost	X <sub>q</sub>
MiK <sub>T</sub> T <sub>E</sub> X	X <sub>q</sub> L <sup>A</sup> T <sub>E</sub> X
N <sub>T</sub> S	X <sub>q</sub> T <sub>E</sub> X

### 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.

<code>\hologoVariant {⟨name⟩} {⟨variant⟩}</code> <code>\HologoVariant {⟨name⟩} {⟨variant⟩}</code>
------------------------------------------------------------------------------------------------------

Logo  $\langle name \rangle$  is set using  $\langle variant \rangle$  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, ...).

<code>\hologoList</code> <code>\hologoEntry {⟨logo⟩} {⟨variant⟩} {⟨since⟩}</code>
--------------------------------------------------------------------------------------

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  $\langle logo \rangle$  and its variant  $\langle variant \rangle$ . An empty variant means the current default. Argument  $\langle since \rangle$  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  $\langle since \rangle$  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<sup>A</sup>T<sub>E</sub>X's protection mechanism.
- Bookmarks of package `hyperref`.
- Package `tex4ht`.
- The macros can be used inside `\csname` constructs, if `\ifincsn` is available (pdfT<sub>E</sub>X, X<sub>Y</sub>T<sub>E</sub>X, LuaT<sub>E</sub>X).

## 1.8 Examples

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 \begin{group}
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 \end{group}
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 \begin{group}
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}{llllllll}%
108     \textbf{\textit{logo}} & \textbf{\textit{variant}} & & \\
109     \texttt{\string\Hologo} & & & \\
110     \textbf{lmr} & \textbf{qtm} & \textbf{qpl} & \\
111     \textbf{lmss} & \textbf{qhvs} & & \\
112     \tabularnewline
113     \hline
114     \endhead
115     \hologoList
116   \end{longtable}%
117 \endgroup
118
119 \end{landscape}
120 \end{document}
121 %verbatim
122 \end{example}

```

123  $\langle *package \rangle$

```

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 [2026-04-02 v1.17 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\HOLGO@AtEnd{%
218     \HOLGO@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\HOLGO@AtEnd{%
249   \HOLGO@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{ApLaTeX}{-}{2025/11/11}%
259   \hologoEntry{ApTeX}{-}{2025/11/11}%
260   \hologoEntry{biber}{-}{2011/10/01}%
261   \hologoEntry{BibTeX}{-}{2011/10/01}%
262   \hologoEntry{BibTeX}{sc}{2011/10/01}%

```

263 \hologoEntry{BibTeX}{sf}{2011/10/01}%  
 264 \hologoEntry{BibTeX8}{}{2011/11/22}%  
 265 \hologoEntry{ConTeXt}{}{2011/03/25}%  
 266 \hologoEntry{ConTeXt}{narrow}{2011/03/25}%  
 267 \hologoEntry{ConTeXt}{simple}{2011/03/25}%  
 268 \hologoEntry{DVIPDFMx}{}{2025/11/11}%  
 269 \hologoEntry{emTeX}{}{2010/04/26}%  
 270 \hologoEntry{eTeX}{}{2010/04/08}%  
 271 \hologoEntry{ExTeX}{}{2011/10/01}%  
 272 \hologoEntry{HanTheThanh}{}{2011/11/29}%  
 273 \hologoEntry{iniTeX}{}{2011/10/01}%  
 274 \hologoEntry{KOMAScript}{}{2011/10/01}%  
 275 \hologoEntry{La}{}{2010/05/08}%  
 276 \hologoEntry{LaTeX}{}{2010/04/08}%  
 277 \hologoEntry{LaTeX2e}{}{2010/04/08}%  
 278 \hologoEntry{LaTeX3}{}{2010/04/24}%  
 279 \hologoEntry{LaTeXe}{}{2010/04/08}%  
 280 \hologoEntry{LaTeXML}{}{2011/11/22}%  
 281 \hologoEntry{LaTeXTeX}{}{2011/10/01}%  
 282 \hologoEntry{LuaLaTeX}{}{2010/04/08}%  
 283 \hologoEntry{LuaTeX}{}{2010/04/08}%  
 284 \hologoEntry{LyX}{}{2011/10/01}%  
 285 \hologoEntry{METAFONT}{}{2011/10/01}%  
 286 \hologoEntry{MetaFun}{}{2011/10/01}%  
 287 \hologoEntry{METAPOST}{}{2011/10/01}%  
 288 \hologoEntry{MetaPost}{}{2011/10/01}%  
 289 \hologoEntry{MiKTeX}{}{2011/10/01}%  
 290 \hologoEntry{NTS}{}{2011/10/01}%  
 291 \hologoEntry{OzMF}{}{2011/10/01}%  
 292 \hologoEntry{OzMP}{}{2011/10/01}%  
 293 \hologoEntry{OzTeX}{}{2011/10/01}%  
 294 \hologoEntry{OzTtH}{}{2011/10/01}%  
 295 \hologoEntry{PCTeX}{}{2011/10/01}%  
 296 \hologoEntry{pdfTeX}{}{2011/10/01}%  
 297 \hologoEntry{pdfLaTeX}{}{2011/10/01}%  
 298 \hologoEntry{Pic}{}{2011/10/01}%  
 299 \hologoEntry{PiCTeX}{}{2011/10/01}%  
 300 \hologoEntry{plainTeX}{}{2010/04/08}%  
 301 \hologoEntry{plainTeX}{hyphen}{2010/04/16}%  
 302 \hologoEntry{plainTeX}{runtogether}{2010/04/16}%  
 303 \hologoEntry{plainTeX}{space}{2010/04/16}%  
 304 \hologoEntry{pLaTeX}{}{2025/11/11}%  
 305 \hologoEntry{pTeX}{}{2025/11/11}%  
 306 \hologoEntry{SageTeX}{}{2011/11/22}%  
 307 \hologoEntry{SLiTeX}{}{2011/10/01}%  
 308 \hologoEntry{SLiTeX}{lift}{2011/10/01}%  
 309 \hologoEntry{SLiTeX}{narrow}{2011/10/01}%  
 310 \hologoEntry{SLiTeX}{simple}{2011/10/01}%  
 311 \hologoEntry{SliTeX}{}{2011/10/01}%  
 312 \hologoEntry{SliTeX}{lift}{2011/10/01}%  
 313 \hologoEntry{SliTeX}{narrow}{2011/10/01}%  
 314 \hologoEntry{SliTeX}{simple}{2011/10/01}%  
 315 \hologoEntry{teTeX}{}{2011/10/01}%  
 316 \hologoEntry{TeX}{}{2010/04/08}%  
 317 \hologoEntry{TeX4ht}{}{2011/11/22}%  
 318 \hologoEntry{TeXLive}{}{2025/11/11}%  
 319 \hologoEntry{TTH}{}{2011/11/22}%  
 320 \hologoEntry{upLaTeX}{}{2025/11/11}%  
 321 \hologoEntry{upTeX}{}{2025/11/11}%  
 322 \hologoEntry{virTeX}{}{2011/10/01}%  
 323 \hologoEntry{VTeX}{}{2010/04/24}%  
 324 \hologoEntry{Xe}{}{2010/04/08}%

```

325 \hologoEntry{XeLaTeX}{-}{2010/04/08}%
326 \hologoEntry{XeTeX}{-}{2010/04/08}%
327 }

```

## 2.2 Load resources

```

328 \ifcsname RequirePackage\endcsname
329 \RequirePackage{ltxcmds}[2011/02/04]%
330 \RequirePackage{infwarerr}[2010/04/08]%
331 \RequirePackage{kvsetkeys}[2010/03/01]%
332 \RequirePackage{kvdefinekeys}[2010/03/01]%
333 \RequirePackage{pdftexcmds}[2010/04/01]%
334 \RequirePackage{iftex}[2019/11/07]%
335 \else
336 \def\TMP@RequirePackage#1[#2]{%
337   \ifcsname ver@#1.sty\endcsname
338   \else
339     \input #1.sty\relax
340   \fi
341 }%
342 \TMP@RequirePackage{ltxcmds}[2011/02/04]%
343 \TMP@RequirePackage{infwarerr}[2010/04/08]%
344 \TMP@RequirePackage{kvsetkeys}[2010/03/01]%
345 \TMP@RequirePackage{kvdefinekeys}[2010/03/01]%
346 \TMP@RequirePackage{pdftexcmds}[2010/04/01]%
347 \TMP@RequirePackage{iftex}[2019/11/07]%
348 \ltx@ifundefined{newif}{%
349   \expandafter\let\csname newif\endcsname\ltx@newif
350 }{}%
351 \def\NoCaseChange#1{#1}
352 \fi

```

\HOLOGO@ifDefined

```

353 \def\HOLOGO@ifExists#1{%
354   \ifx\@undefined#1%
355     \expandafter\ltx@secondoftwo
356   \else
357     \ifx\relax#1%
358       \expandafter\ltx@secondoftwo
359     \else
360       \expandafter\expandafter\expandafter\ltx@firstoftwo
361     \fi
362   \fi
363 }

```

## 2.3 Setup macros

\hologoSetup

```

364 \def\hologoSetup{%
365   \let\HOLOGO@name\relax
366   \HOLOGO@Setup
367 }

```

\hologoLogoSetup

```

368 \def\hologoLogoSetup#1{%
369   \edef\HOLOGO@name{#1}%
370   \ltx@ifundefined{HoLogo@\HOLOGO@name}{%
371     \@PackageError{hologo}{%
372       Unknown logo ‘\HOLOGO@name’%
373     }\@ehc
374     \ltx@gobble
375   }{}%

```

```

376 \HOLGO@Setup
377 }%
378 }

```

\HOLGO@Setup

```

379 \def\HOLGO@Setup{%
380 \kvsetkeys{HoLogo}%
381 }

```

## 2.4 Options

\HOLGO@DeclareBoolOption

```

382 \def\HOLGO@DeclareBoolOption#1{%
383 \expandafter\chardef\csname HOLGOOPT@#1\endcsname\ltx@zero
384 \kv@define@key{HoLogo}{#1}[true]{%
385 \def\HOLGO@temp{##1}%
386 \ifx\HOLGO@temp\HOLGO@true
387 \ifx\HOLGO@name\relax
388 \expandafter\chardef\csname HOLGOOPT@#1\endcsname=\ltx@one
389 \else
390 \expandafter\chardef\csname
391 HoLogoOpt@#1@\HOLGO@name\endcsname\ltx@one
392 \fi
393 \HOLGO@SetBreakAll{#1}%
394 \else
395 \ifx\HOLGO@temp\HOLGO@false
396 \ifx\HOLGO@name\relax
397 \expandafter\chardef\csname HOLGOOPT@#1\endcsname=\ltx@zero
398 \else
399 \expandafter\chardef\csname
400 HoLogoOpt@#1@\HOLGO@name\endcsname=\ltx@zero
401 \fi
402 \HOLGO@SetBreakAll{#1}%
403 \else
404 \@PackageError{hologo}{%
405 Unknown value ‘#1’ for boolean option ‘#1’.\MessageBreak
406 Known values are ‘true’ and ‘false’%
407 }{\@ehc
408 \fi
409 \fi
410 }%
411 }

```

\HOLGO@SetBreakAll

```

412 \def\HOLGO@SetBreakAll#1{%
413 \def\HOLGO@temp{#1}%
414 \ifx\HOLGO@temp\HOLGO@break
415 \ifx\HOLGO@name\relax
416 \chardef\HOLGOOPT@hyphenbreak=\HOLGOOPT@break
417 \chardef\HOLGOOPT@spacebreak=\HOLGOOPT@break
418 \chardef\HOLGOOPT@discretionarybreak=\HOLGOOPT@break
419 \else
420 \expandafter\chardef
421 \csname HoLogoOpt@hyphenbreak@\HOLGO@name\endcsname=%
422 \csname HoLogoOpt@break@\HOLGO@name\endcsname
423 \expandafter\chardef
424 \csname HoLogoOpt@spacebreak@\HOLGO@name\endcsname=%
425 \csname HoLogoOpt@break@\HOLGO@name\endcsname
426 \expandafter\chardef
427 \csname HoLogoOpt@discretionarybreak@\HOLGO@name
428 \endcsname=%
429 \csname HoLogoOpt@break@\HOLGO@name\endcsname

```

```

430     \fi
431   \fi
432 }

\HOLOGO@true
433 \def\HOLOGO@true{true}

\HOLOGO@false
434 \def\HOLOGO@false{false}

\HOLOGO@break
435 \def\HOLOGO@break{break}

436 \HOLOGO@DeclareBoolOption{break}
437 \HOLOGO@DeclareBoolOption{hyphenbreak}
438 \HOLOGO@DeclareBoolOption{spacebreak}
439 \HOLOGO@DeclareBoolOption{discretionarybreak}

440 \kv@define@key{HoLogo}{variant}{%
441   \ifx\HOLOGO@name\relax
442     \@PackageError{holologo}{%
443       Option ‘variant’ is not available in \string\holologoSetup,%
444       \MessageBreak
445       Use \string\holologoLogoSetup\space instead%
446     }\@ehc
447   \else
448     \edef\HOLOGO@temp{#1}%
449     \ifx\HOLOGO@temp\ltx@empty
450       \expandafter
451       \let\csname HoLogoOpt@variant@\HOLOGO@name\endcsname\@undefined
452     \else
453       \ltx@ifundefined{HoLogo@\HOLOGO@name @\HOLOGO@temp}{%
454         \@PackageError{holologo}{%
455           Unknown variant ‘\HOLOGO@temp’ of logo ‘\HOLOGO@name’%
456         }\@ehc
457       }{%
458         \expandafter
459         \let\csname HoLogoOpt@variant@\HOLOGO@name\endcsname
460           \HOLOGO@temp
461       }%
462     \fi
463   \fi
464 }

\HOLOGO@Variant
465 \def\HOLOGO@Variant#1{%
466   #1%
467   \ltx@ifundefined{HoLogoOpt@variant@#1}{%
468     }{%
469       @\csname HoLogoOpt@variant@#1\endcsname
470     }%
471 }

```

## 2.5 Break/no-break support

```

\HOLOGO@space
472 \def\HOLOGO@space{%
473   \ltx@ifundefined{HoLogoOpt@spacebreak@\HOLOGO@name}{%
474     \ltx@ifundefined{HoLogoOpt@break@\HOLOGO@name}{%
475       \chardef\HOLOGO@temp=\HOLOGO@OPT@spacebreak
476     }{%
477       \chardef\HOLOGO@temp=%

```



```

478         \csname HoLogoOpt@break@\HOLG@name\endcsname
479     }%
480 }{%
481     \chardef\HOLG@temp=%
482     \csname HoLogoOpt@spacebreak@\HOLG@name\endcsname
483 }%
484 \ifcase\HOLG@temp
485     \penalty10000 %
486 \fi
487 \ltx@space
488 }

```

\HOLG@hyphen

```

489 \def\HOLG@hyphen{%
490     \ltx@ifundefined{HoLogoOpt@hyphenbreak@\HOLG@name}{%
491         \ltx@ifundefined{HoLogoOpt@break@\HOLG@name}{%
492             \chardef\HOLG@temp=\HOLG@OPT@hyphenbreak
493         }{%
494             \chardef\HOLG@temp=%
495             \csname HoLogoOpt@break@\HOLG@name\endcsname
496         }%
497     }{%
498         \chardef\HOLG@temp=%
499         \csname HoLogoOpt@hyphenbreak@\HOLG@name\endcsname
500     }%
501     \ifcase\HOLG@temp
502         \ltx@mbox{-}%
503     \else
504         -%
505     \fi
506 }

```

\HOLG@discretionary

```

507 \def\HOLG@discretionary{%
508     \ltx@ifundefined{HoLogoOpt@discretionarybreak@\HOLG@name}{%
509         \ltx@ifundefined{HoLogoOpt@break@\HOLG@name}{%
510             \chardef\HOLG@temp=\HOLG@OPT@discretionarybreak
511         }{%
512             \chardef\HOLG@temp=%
513             \csname HoLogoOpt@break@\HOLG@name\endcsname
514         }%
515     }{%
516         \chardef\HOLG@temp=%
517         \csname HoLogoOpt@discretionarybreak@\HOLG@name\endcsname
518     }%
519     \ifcase\HOLG@temp
520         \else
521             \-%
522         \fi
523 }

```

\HOLG@mbox

```

524 \def\HOLG@mbox#1{%
525     \ltx@ifundefined{HoLogoOpt@break@\HOLG@name}{%
526         \chardef\HOLG@temp=\HOLG@OPT@hyphenbreak
527     }{%
528         \chardef\HOLG@temp=%
529         \csname HoLogoOpt@break@\HOLG@name\endcsname
530     }%
531     \ifcase\HOLG@temp
532         \ltx@mbox{#1}%
533     \else

```

```

534     #1%
535     \fi
536 }

```

## 2.6 Font support

```

#1: logo name
\HoLogoFont@font #2: font short name
#3: text
537 \def\HoLogoFont@font#1#2#3{%
538     \begingroup
539     \ltx@ifundefined{HoLogoFont@logo@#1.#2}{%
540         \ltx@ifundefined{HoLogoFont@font@#2}{%
541             \@PackageWarning{hologo}{%
542                 Missing font ‘#2’ for logo ‘#1’%
543             }%
544             #3%
545         }{%
546             \csname HoLogoFont@font@#2\endcsname{#3}%
547         }%
548     }{%
549         \csname HoLogoFont@logo@#1.#2\endcsname{#3}%
550     }%
551     \endgroup
552 }

\HoLogoFont@Def
553 \def\HoLogoFont@Def#1{%
554     \expandafter\def\csname HoLogoFont@font@#1\endcsname
555 }

\HoLogoFont@LogoDef
556 \def\HoLogoFont@LogoDef#1#2{%
557     \expandafter\def\csname HoLogoFont@logo@#1.#2\endcsname
558 }

```

### 2.6.1 Font defaults

```

\HoLogoFont@font@general
559 \HoLogoFont@Def{general}{}%

\HoLogoFont@font@rm
560 \ltx@ifundefined{rmfamily}{%
561     \ltx@ifundefined{rm}{%
562     }{%
563         \HoLogoFont@Def{rm}{\rm}%
564     }%
565 }{%
566     \HoLogoFont@Def{rm}{\rmfamily}%
567 }

\HoLogoFont@font@sf
568 \ltx@ifundefined{sffamily}{%
569     \ltx@ifundefined{sf}{%
570     }{%
571         \HoLogoFont@Def{sf}{\sf}%
572     }%
573 }{%
574     \HoLogoFont@Def{sf}{\sffamily}%
575 }

```

`\HoLogoFont@font@bibs` In case of plain  $\TeX$  the original small caps variant is used as default. In  $\LaTeX$  the definition of package `dtklgos` [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@fontsfalse
    \selectfont
    I%
    \kern-.025em%
    B
  }%
  \kern-.08em%
  \-%
  \TeX
}
```

```
576 \ltx@ifundefined{selectfont}{%
577   \ltx@ifundefined{tensc}{%
578     \font\tensc=cmcsc10\relax
579   }{%
580     \HoLogoFont@Def{bibs}{\tensc}%
581   }{%
582     \HoLogoFont@Def{bibs}{%
583       $\m@th$%
584       \csname S@\f@size\endcsname
585       \fontsize\sf@size{0pt}%
586       \math@fontsfalse
587       \selectfont
588     }%
589 }
```

`\HoLogoFont@font@sc`

```
590 \ltx@ifundefined{scshape}{%
591   \ltx@ifundefined{tensc}{%
592     \font\tensc=cmcsc10\relax
593   }{%
594     \HoLogoFont@Def{sc}{\tensc}%
595   }{%
596     \HoLogoFont@Def{sc}{\scshape}%
597 }
```

`\HoLogoFont@font@sy`

```
598 \ltx@ifundefined{usefont}{%
599   \ltx@ifundefined{tensy}{%
600   }{%
601     \HoLogoFont@Def{sy}{\tensy}%
602   }%
603 }{%
604   \HoLogoFont@Def{sy}{%
605     \usefont{OMS}{cmsy}{m}{n}%
606   }%
607 }
```

`\HoLogoFont@font@logo`

```
608 \begingroup
609   \def\x{\LaTeX2e}%
610 \expandafter\endgroup
611 \ifx\fmtname\x
```

```

612 \ltx@ifundefined{logofamily}{%
613   \DeclareRobustCommand\logofamily{%
614     \not@math@alphabet\logofamily\relax
615     \fontencoding{U}%
616     \fontfamily{logo}%
617     \selectfont
618   }%
619 }{%
620 \ltx@ifundefined{logofamily}{%
621   }{%
622     \HoLogoFont@Def{logo}{\logofamily}%
623   }%
624 \else
625 \ltx@ifundefined{tenlogo}{%
626   \font\tenlogo=logo10\relax
627 }{%
628   \HoLogoFont@Def{logo}{\tenlogo}%
629 \fi

```

## 2.6.2 Font setup

\hologoFontSetup

```

630 \def\hologoFontSetup{%
631   \let\HOLOGO@name\relax
632   \HOLOGO@FontSetup
633 }

```

\hologoLogoFontSetup

```

634 \def\hologoLogoFontSetup#1{%
635   \edef\HOLOGO@name{#1}%
636   \ltx@ifundefined{HoLogo@\HOLOGO@name}{%
637     \@PackageError{hologo}{%
638       Unknown logo ‘\HOLOGO@name’%
639     }{\@ehc
640     \ltx@gobble
641   }{%
642     \HOLOGO@FontSetup
643   }%
644 }

```

\HOLOGO@FontSetup

```

645 \def\HOLOGO@FontSetup{%
646   \kvsetkeys{HoLogoFont}%
647 }

648 \def\HOLOGO@temp#1{%
649   \kv@define@key{HoLogoFont}{#1}{%
650     \ifx\HOLOGO@name\relax
651       \HoLogoFont@Def{#1}{##1}%
652     \else
653       \HoLogoFont@LogoDef\HOLOGO@name{#1}{##1}%
654     \fi
655   }%
656 }

657 \HOLOGO@temp{general}
658 \HOLOGO@temp{sf}
659 \HOLOGO@temp{sc}
660 \HOLOGO@temp{bibs}
661 \HOLOGO@temp{rm}
662 \HOLOGO@temp{sy}
663 \HOLOGO@temp{logo}

```

## 2.7 Generic logo commands

```

664 \Hologo@ifExists\hologo{%
665   \@PackageError{hologo}{%
666     \string\hologo\ltx@space is already defined.\MessageBreak
667     Package loading is aborted%
668   }\@ehc
669 \Hologo@AtEnd
670 }%
671 \Hologo@ifExists\hologoRobust{%
672   \@PackageError{hologo}{%
673     \string\hologoRobust\ltx@space is already defined.\MessageBreak
674     Package loading is aborted%
675   }\@ehc
676 \Hologo@AtEnd
677 }%

```

### 2.7.1 \hologo and friends

\hologo

```

678 \def\hologo#1{%
679   \ifincsname
680     \ltx@ifundefined{HoLogoCs@\Hologo@Variant{#1}}{%
681       #1%
682     }{%
683       \csname HoLogoCs@\Hologo@Variant{#1}\endcsname\ltx@firstoftwo
684     }%
685   \else
686     \Hologo@ifExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
687     {%
688       \NoCaseChange{\HoLogo@tag@actualtext{first}{#1}{\hologoRobust{#1}}}%
689     }{%
690       \ltx@ifundefined{HoLogoBkm@\Hologo@Variant{#1}}{%
691         \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
692       }{%
693         \csname HoLogoBkm@\Hologo@Variant{#1}\endcsname
694         \ltx@firstoftwo
695       }%
696     }%
697   \fi
698 }

```

\Hologo

```

699 \def\Hologo#1{%
700   \ifincsname
701     \ltx@ifundefined{HoLogoCs@\Hologo@Variant{#1}}{%
702       #1%
703     }{%
704       \csname HoLogoCs@\Hologo@Variant{#1}\endcsname\ltx@secondoftwo
705     }%
706   \else
707     \Hologo@ifExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
708     {%
709       \NoCaseChange{\HoLogo@tag@actualtext{second}{#1}{\HologoRobust{#1}}}%
710     }{%
711       \ltx@ifundefined{HoLogoBkm@\Hologo@Variant{#1}}{%
712         \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
713       }{%
714         \csname HoLogoBkm@\Hologo@Variant{#1}\endcsname
715         \ltx@secondoftwo
716       }%
717     }%
718   \fi
719 }

```

\hologoVariant

```

720 \def\hologoVariant#1#2{%
721   \ifx\relax#2\relax
722     \hologo{#1}%
723   \else
724     \ifincsname
725       \ltx@ifundefined{HoLogoCs@#1@#2}{%
726         #1%
727       }{%
728         \csname HoLogoCs@#1@#2\endcsname\ltx@firstoftwo
729       }%
730     \else
731       \HOLOGO@IfExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
732       {%
733         \NoCaseChange{\HoLogo@tag@actualtext{first}{#1}{\hologoVariantRobust{#1}{#2}}}%
734       }{%
735         \ltx@ifundefined{HoLogoBkm@#1@#2}{%
736           \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
737         }{%
738           \csname HoLogoBkm@#1@#2\endcsname
739           \ltx@firstoftwo
740         }%
741       }%
742     \fi
743   \fi
744 }

```

\HologoVariant

```

745 \def\HologoVariant#1#2{%
746   \ifx\relax#2\relax
747     \Hologo{#1}%
748   \else
749     \ifincsname
750       \ltx@ifundefined{HoLogoCs@#1@#2}{%
751         #1%
752       }{%
753         \csname HoLogoCs@#1@#2\endcsname\ltx@secondoftwo
754       }%
755     \else
756       \HOLOGO@IfExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
757       {%
758         \NoCaseChange{\HoLogo@tag@actualtext{second}{#1}{\HologoVariantRobust{#1}{#2}}}%
759       }{%
760         \ltx@ifundefined{HoLogoBkm@#1@#2}{%
761           \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
762         }{%
763           \csname HoLogoBkm@#1@#2\endcsname
764           \ltx@secondoftwo
765         }%
766       }%
767     \fi
768   \fi
769 }

```

## 2.7.2 \hologoRobust and friends

\hologoRobust

```

770 \protected\def\hologoRobust#1{%
771   \edef\HOLOGO@name{#1}%
772   \ltx@ifundefined{HoLogo@\HOLOGO@Variant\HOLOGO@name}{%
773     \@PackageError{hologo}{%
774       Unknown logo ‘\HOLOGO@name’%

```

```

775   }\@ehc
776   ?\HOLOGO@name?%
777 }{%
778   \ltx@ifundefined{ver@tex4ht.sty}{%
779     \HoLogoFont@font\HOLOGO@name{general}{%
780       \csname HoLogo@\HOLOGO@Variant\HOLOGO@name\endcsname%
781       \ltx@firstoftwo
782     }%
783   }{%
784     \ltx@ifundefined{HoLogoHtml@\HOLOGO@Variant\HOLOGO@name}{%
785       \HOLOGO@name
786     }{%
787       \csname HoLogoHtml@\HOLOGO@Variant\HOLOGO@name\endcsname
788       \ltx@firstoftwo
789     }%
790   }%
791 }%
792 }

```

\HologoRobust

```

793 \protected\def\HologoRobust#1{%
794   \edef\HOLOGO@name{#1}%
795   \ltx@ifundefined{HoLogo@\HOLOGO@Variant\HOLOGO@name}{%
796     \@PackageError{hologo}{%
797       Unknown logo '\HOLOGO@name'%
798     }\@ehc
799     ?\HOLOGO@name?%
800   }{%
801     \ltx@ifundefined{ver@tex4ht.sty}{%
802       \HoLogoFont@font\HOLOGO@name{general}{%
803         \csname HoLogo@\HOLOGO@Variant\HOLOGO@name\endcsname
804         \ltx@secondoftwo
805       }%
806     }{%
807       \ltx@ifundefined{HoLogoHtml@\HOLOGO@Variant\HOLOGO@name}{%
808         \expandafter\HOLOGO@Uppercase\HOLOGO@name
809       }{%
810         \csname HoLogoHtml@\HOLOGO@Variant\HOLOGO@name\endcsname
811         \ltx@secondoftwo
812       }%
813     }%
814   }%
815 }

```

\hologoVariantRobust

```

816 \protected\def\hologoVariantRobust#1#2{%
817   \begingroup
818     \hologoLogoSetup{#1}{variant={#2}}%
819     \hologoRobust{#1}%
820   \endgroup
821 }

```

\HologoVariantRobust

```

822 \protected\def\HologoVariantRobust#1#2{%
823   \begingroup
824     \hologoLogoSetup{#1}{variant={#2}}%
825     \HologoRobust{#1}%
826   \endgroup
827 }

```

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

```

828 \def\hologorobust{\hologoRobust}

```

## 2.8 Helpers

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

```
829 \def\HOLOGO@Uppercase#1{\uppercase{#1}}
```

`\HOLOGO@PdfdocUnicode`

```
830 \def\HOLOGO@PdfdocUnicode{%
831   \ifx\ifHy@unicode\iftrue
832     \expandafter\ltx@secondoftwo
833   \else
834     \expandafter\ltx@firstoftwo
835   \fi
836 }
```

`\HOLOGO@Math`

```
837 \def\HOLOGO@MathSetup{%
838   \mathsurround0pt\relax
839   \csname m@th\endcsname
840   \HOLOGO@IfExists\series{%
841     \if b\expandafter\ltx@car\series x@\nil
842     \csname boldmath\endcsname
843   \fi
844   }{}%
845 }
```

`\HOLOGO@TempDimen`

```
846 \dimendef\HOLOGO@TempDimen=\ltx@zero
```

`\HOLOGO@NegativeKerning`

```
847 \def\HOLOGO@NegativeKerning#1{%
848   \begingroup
849     \HOLOGO@TempDimen=0pt\relax
850     \comma@parse@normalized{#1}{%
851       \ifdim\HOLOGO@TempDimen=0pt %
852         \expandafter\HOLOGO@@NegativeKerning\comma@entry
853       \fi
854       \ltx@gobble
855     }%
856     \ifdim\HOLOGO@TempDimen<0pt %
857       \kern\HOLOGO@TempDimen
858     \fi
859   \endgroup
860 }
```

`\HOLOGO@@NegativeKerning`

```
861 \def\HOLOGO@@NegativeKerning#1#2{%
862   \setbox\ltx@zero\hbox{#1#2}%
863   \HOLOGO@TempDimen=\wd\ltx@zero
864   \setbox\ltx@zero\hbox{#1\kern0pt#2}%
865   \advance\HOLOGO@TempDimen by -\wd\ltx@zero
866 }
```

`\HOLOGO@SpaceFactor`

```
867 \def\HOLOGO@SpaceFactor{%
868   \spacefactor1000 %
869 }
```

`\HOLOGO@Span`

```
870 \def\HOLOGO@Span#1#2{%
871   \HCode{<span class="HoLogo-#1">}%
872   #2%
873   \HCode{</span>}%
874 }
```



### 2.8.1 Text subscript

```

\HOLOGO@SubScript
875 \def\HOLOGO@SubScript#1{%
876   \ltx@ifundefined{textsubscript}{%
877     \ltx@ifundefined{text}{%
878       \ltx@mbox{%
879         \mathsurround=0pt\relax
880         $%
881         _{%
882           \ltx@ifundefined{sf@size}{%
883             {\rm#1}%
884           }{%
885             \mbox{%
886               \fontsize\sf@size{0pt}\selectfont
887               #1%
888             }%
889           }%
890         }%
891         $%
892       }%
893     }{%
894       \ltx@mbox{%
895         \m@th\relax
896         $_{\text{#1}}$%
897       }%
898     }%
899   }{%
900     \textsubscript{#1}%
901   }%
902 }

```

### 2.9 Tagging support

`\HoLogo@tag@actualtext` `\HoLogo@tag@actualtext` is the core command to add tagging support. It is used in the various logo commands. With  $\text{\LaTeX}$  it calls a tagging socket. To avoid that nested logos are tagged twice it redefines itself locally. With  $\text{\plainTeX}$  it simply passes the third argument through. The first argument is a keyword **first** or **second** which decides if the uppercase or lowercase version of a name is used (in the few cases where this distinction exists), the second argument is the key name, the third the typesetting command. If a key name KEY is not suitable as actualtext, a replacement can be provided by defining a command with one argument named `\HoLogo@tag@KEY`, see the various examples.

```

903 \ifcsname NewTaggingSocket\endcsname
904   \NewTaggingSocket{holo/logo}{2}
905   \NewTaggingSocketPlug{holo/logo}{default}
906   {\leavevmode
907     \tagmccend
908     \tagstructbegin{tag=Span,actualtext=#1}%
909     \tagmcbegin{}}%
910     #2%
911     \tagmccend
912     \tagstructend
913     \tagmcbegin{}}%
914   }
915 \AssignTaggingSocketPlug{holo/logo}{default}
916 \protected\def\HoLogo@tag@actualtext#1#2#3{%
917   \begingroup
918   \def\HoLogo@tag@actualtext##1##2##3{##3}%
919   \ifcsname HoLogo@tag@#2\endcsname %
920     \edef\HoLogo@temp@actualtext

```

```

921         {\csname HoLogo@tag@#2\endcsname{\csname ltx@#1oftwo\endcsname}}%
922     \else
923         \edef\HoLogo@temp@actualtext{#2}%
924     \fi
925     \UseTaggingSocket{hologo/logo}{\HoLogo@temp@actualtext}{#3}%
926 \endgroup
927 }
928 \else
929 \def\HoLogo@tag@actualtext#1#2#3{#3}
930 \fi

```

## 2.10 T<sub>E</sub>X and friends

### 2.10.1 T<sub>E</sub>X

\HoLogo@TeX Source: L<sup>A</sup>T<sub>E</sub>X kernel.

```

931 \def\HoLogo@TeX#1{%
932   T\kern-.1667em\lower.5ex\hbox{E}\kern-.125emX\HOLOGO@SpaceFactor
933 }

```

\HoLogoHtml@TeX

```

934 \def\HoLogoHtml@TeX#1{%
935   \HoLogoCss@TeX
936   \HOLOGO@Span{TeX}{%
937     T%
938     \HOLOGO@Span{e}{%
939       E%
940     }%
941     X%
942   }%
943 }

```

\HoLogoCss@TeX

```

944 \def\HoLogoCss@TeX{%
945   \Css{%
946     span.HoLogo-TeX span.HoLogo-e{%
947       position:relative;%
948       top:.5ex;%
949       margin-left:-.1667em;%
950       margin-right:-.125em;%
951     }%
952   }%
953   \Css{%
954     a span.HoLogo-TeX span.HoLogo-e{%
955       text-decoration:none;%
956     }%
957   }%
958   \global\let\HoLogoCss@TeX\relax
959 }

```

### 2.10.2 plain T<sub>E</sub>X

\HoLogo@plainTeX@space Source: “The T<sub>E</sub>Xbook”

```

960 \def\HoLogo@plainTeX@space#1{%
961   \HOLOGO@mbbox{#1{p}{P}lain}\HOLOGO@space\hologo{TeX}%
962 }

```

\HoLogoCs@plainTeX@space

```

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

```

\HoLogoBkm@plainTeX@space

```

964 \def\HoLogoBkm@plainTeX@space#1{%

```

```

965   #1{p}{P}lain \hologo{TeX}%
966 }

\HoLogoHtml@plainTeX@space
967 \def\HoLogoHtml@plainTeX@space#1{%
968   #1{p}{P}lain \hologo{TeX}%
969 }

\HoLogo@plainTeX@hyphen
970 \def\HoLogo@plainTeX@hyphen#1{%
971   \HOLGO@mbbox{#1{p}{P}lain}\HOLGO@hyphen\hologo{TeX}%
972 }

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

\HoLogoBkm@plainTeX@hyphen
974 \def\HoLogoBkm@plainTeX@hyphen#1{%
975   #1{p}{P}lain-\hologo{TeX}%
976 }

\HoLogoHtml@plainTeX@hyphen
977 \def\HoLogoHtml@plainTeX@hyphen#1{%
978   #1{p}{P}lain-\hologo{TeX}%
979 }

\HoLogo@plainTeX@runtogether
980 \def\HoLogo@plainTeX@runtogether#1{%
981   \HOLGO@mbbox{#1{p}{P}lain}\hologo{TeX}}%
982 }

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

\HoLogoBkm@plainTeX@runtogether
984 \def\HoLogoBkm@plainTeX@runtogether#1{%
985   #1{p}{P}lain\hologo{TeX}%
986 }

\HoLogoHtml@plainTeX@runtogether
987 \def\HoLogoHtml@plainTeX@runtogether#1{%
988   #1{p}{P}lain\hologo{TeX}%
989 }

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

\HoLogo@tag@plainTeX
991 \def\HoLogo@tag@plainTeX#1{#1{p}{P}lain TeX}

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

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

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

```

### 2.10.3 L<sup>A</sup>T<sub>E</sub>X

Source: L<sup>A</sup>T<sub>E</sub>X 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

```
995 \def\HoLogo@La#1{%
996   L%
997   \kern-.36em%
998   \begingroup
999   \setbox\ltx@zero\hbox{T}%
1000   \vbox to\ht\ltx@zero{%
1001     \hbox{%
1002       \ltx@ifundefined{check@mathfonts}{%
1003         \csname sevenrm\endcsname
1004       }{%
1005         \check@mathfonts
1006         \fontsize\sf@size{0pt}%
1007         \math@fontsfalse\selectfont
1008       }%
1009       A%
1010     }%
1011     \vss
1012   }%
1013   \endgroup
1014 }
```

\HoLogo@LaTeX Source: L<sup>A</sup>T<sub>E</sub>X kernel.

```
1015 \def\HoLogo@LaTeX#1{%
1016   \hologo{La}%
1017   \kern-.15em%
1018   \hologo{TeX}%
1019 }
```

\HoLogoHtml@LaTeX

```
1020 \def\HoLogoHtml@LaTeX#1{%
1021   \HoLogoCss@LaTeX
1022   \HOLOGO@Span{LaTeX}%
1023   L%
1024   \HOLOGO@Span{a}%
1025   A%
1026   }%
1027   \hologo{TeX}%
1028   }%
1029 }
```

\HoLogoCss@LaTeX

```

1030 \def\HoLogoCss@LaTeX{%
1031   \Css{%
1032     span.HoLogo-LaTeX span.HoLogo-a{%
1033       position:relative;%
1034       top:-.5ex;%
1035       margin-left:-.36em;%
1036       margin-right:-.15em;%
1037       font-size:85\%;%
1038     }%
1039   }%
1040   \global\let\HoLogoCss@LaTeX\relax
1041 }

```

#### 2.10.4 (La)TeX

\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
}

```

```

1042 \def\HoLogo@LaTeXTeX#1{%
1043   (%
1044   \kern-.15em%
1045   \hologo{La}%
1046   \kern-.2em%
1047   )%
1048   \kern-.15em%
1049   \hologo{TeX}%
1050 }

```

\HoLogo@tag@LaTeXTeX

```

1051 \def\HoLogo@tag@LaTeXTeX#1{(La)TeX}

```

\HoLogoBkm@LaTeXTeX

```

1052 \def\HoLogoBkm@LaTeXTeX#1{(La)TeX}

```

\HoLogo@ (La)TeX

```

1053 \expandafter
1054 \let\csname HoLogo@ (La)TeX\endcsname\HoLogo@LaTeXTeX

```

```

\HoLogoBkm@(La)TeX
1055 \expandafter
1056 \let\csname HoLogoBkm@(La)TeX\endcsname\HoLogoBkm@LaTeXTeX

```

```

\HoLogoHtml@LaTeXTeX
1057 \def\HoLogoHtml@LaTeXTeX#1{%
1058   \HoLogoCss@LaTeXTeX
1059   \HLOGO@Span{LaTeXTeX}{%
1060     (%
1061     \HLOGO@Span{L}{L}%
1062     \HLOGO@Span{a}{A}%
1063     \HLOGO@Span{ParenRight}{})}%
1064   \hologo{TeX}%
1065   }%
1066 }

```

`\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.

```

1067 \expandafter
1068 \let\csname HoLogoHtml@(La)TeX\endcsname\HoLogoHtml@LaTeXTeX

```

```

\HoLogoCss@LaTeXTeX
1069 \def\HoLogoCss@LaTeXTeX{%
1070   \Css{%
1071     span.HoLogo-LaTeXTeX span.HoLogo-L{%
1072       margin-left:-.1em;%
1073     }%
1074   }%
1075   \Css{%
1076     span.HoLogo-LaTeXTeX span.HoLogo-a{%
1077       position:relative;%
1078       top:-.5ex;%
1079       margin-left:-.36em;%
1080       margin-right:-.1em;%
1081       font-size:85\%;%
1082     }%
1083   }%
1084   \Css{%
1085     span.HoLogo-LaTeXTeX span.HoLogo-ParenRight{%
1086       margin-right:-.15em;%
1087     }%
1088   }%
1089   \global\let\HoLogoCss@LaTeXTeX\relax
1090 }

```

### 2.10.5 L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>

`\HoLogo@LaTeXe` Source: L<sup>A</sup>T<sub>E</sub>X kernel

```

1091 \def\HoLogo@LaTeXe#1{%
1092   \hologo{LaTeX}%
1093   \kern.15em%
1094   \hbox{%
1095     \HLOGO@MathSetup
1096     2%
1097     $_{\textstyle\varepsilon}$%
1098   }%
1099 }

```

```

\HoLogo@tag@LaTeXe
1100 \def\HoLogo@tag@LaTeXe#1{LaTeX2e}

```

```

\HoLogoCs@LaTeXe
1101 \ifnum64='\^^^0040\relax % test for big chars of LuaTeX/XeTeX
1102 \catcode'\$=9 %
1103 \catcode'\&=14 %
1104 \else
1105 \catcode'\$=14 %
1106 \catcode'\&=9 %
1107 \fi
1108 \def\HoLogoCs@LaTeXe#1{%
1109 LaTeX2%
1110 $ \string ^^^0395%
1111 & e%
1112 }%
1113 \catcode'\$=3 %
1114 \catcode'\&=4 %

\HoLogoBkm@LaTeXe
1115 \def\HoLogoBkm@LaTeXe#1{%
1116 \hologo{LaTeX}%
1117 2%
1118 \HOLGO@PdfdocUnicode{e}{\83\265}%\textepsilon
1119 }

\HoLogoHtml@LaTeXe
1120 \def\HoLogoHtml@LaTeXe#1{%
1121 \HoLogoCss@LaTeXe
1122 \HOLGO@Span{LaTeX2e}{%
1123 \hologo{LaTeX}%
1124 \HOLGO@Span{2}{2}%
1125 \HOLGO@Span{e}{%
1126 \HOLGO@MathSetup
1127 \ensuremath{\textstyle\varepsilon}%
1128 }%
1129 }%
1130 }

\HoLogoCss@LaTeXe
1131 \def\HoLogoCss@LaTeXe{%
1132 \Css{%
1133 span.HoLogo-LaTeX2e span.HoLogo-2{%
1134 padding-left:.15em;%
1135 }%
1136 }%
1137 \Css{%
1138 span.HoLogo-LaTeX2e span.HoLogo-e{%
1139 position:relative;%
1140 top:.35ex;%
1141 text-decoration:none;%
1142 }%
1143 }%
1144 \global\let\HoLogoCss@LaTeXe\relax
1145 }

\HoLogo@LaTeX2e
1146 \expandafter
1147 \let\csname HoLogo@LaTeX2e\endcsname\HoLogo@LaTeXe

\HoLogo@tag@LaTeX2e
1148 \expandafter\let\csname HoLogo@tag@LaTeX2e\endcsname\HoLogo@tag@LaTeXe

\HoLogoCs@LaTeX2e
1149 \expandafter
1150 \let\csname HoLogoCs@LaTeX2e\endcsname\HoLogoCs@LaTeXe

```

```

\HoLogoBkm@LaTeX2e
1151 \expandafter
1152 \let\csname HoLogoBkm@LaTeX2e\endcsname\HoLogoBkm@LaTeXe

\HoLogoHtml@LaTeX2e
1153 \expandafter
1154 \let\csname HoLogoHtml@LaTeX2e\endcsname\HoLogoHtml@LaTeXe

```

## 2.10.6 L<sup>A</sup>T<sub>E</sub>X3

```

\HoLogo@LaTeX3 Source: LATEX kernel
1155 \expandafter\def\csname HoLogo@LaTeX3\endcsname#1{%
1156   \hologo{LaTeX}%
1157   3%
1158 }

\HoLogoBkm@LaTeX3
1159 \expandafter\def\csname HoLogoBkm@LaTeX3\endcsname#1{%
1160   \hologo{LaTeX}%
1161   3%
1162 }

\HoLogoHtml@LaTeX3
1163 \expandafter
1164 \let\csname HoLogoHtml@LaTeX3\expandafter\endcsname
1165 \csname HoLogo@LaTeX3\endcsname

```

## 2.10.7 L<sup>A</sup>T<sub>E</sub>X<sub>xml</sub>

```

\HoLogo@LaTeXXML
1166 \def\HoLogo@LaTeXXML#1{%
1167   \HOLOGO@ombbox{%
1168     \hologo{La}%
1169     \kern-.15em%
1170     T%
1171     \kern-.1667em%
1172     \lower.5ex\hbox{E}%
1173     \kern-.125em%
1174     \HoLogoFont@font{LaTeXXML}{sc}{xml}%
1175   }%
1176 }

\HoLogoHtml@pdfLaTeX
1177 \def\HoLogoHtml@LaTeXXML#1{%
1178   \HOLOGO@Span{LaTeXML}{%
1179     \HoLogoCss@LaTeX
1180     \HoLogoCss@TeX
1181     \HOLOGO@Span{LaTeX}{%
1182       L%
1183       \HOLOGO@Span{a}{%
1184         A%
1185       }%
1186     }%
1187     \HOLOGO@Span{TeX}{%
1188       T%
1189       \HOLOGO@Span{e}{%
1190         E%
1191       }%
1192     }%
1193     \HCode{<span style="font-variant: small-caps;">}%
1194     xml%

```



```

1195 \HCode{</span>}%
1196 }%
1197 }

```

## 2.10.8 $\epsilon$ -TeX

\HoLogo@eTeX Source: package etex

```

1198 \def\HoLogo@eTeX#1{%
1199 \ltx@mbox{%
1200 \HLOGO@MathSetup
1201 $\varepsilon$%
1202 -%
1203 \HLOGO@NegativeKerning{-T,T-,To}%
1204 \hologo{TeX}%
1205 }%
1206 }

```

\HoLogoCs@eTeX

```

1207 \ifnum64='^0040\relax % test for big chars of LuaTeX/XeTeX
1208 \catcode'\$=9 %
1209 \catcode'\&=14 %
1210 \else
1211 \catcode'\$=14 %
1212 \catcode'\&=9 %
1213 \fi
1214 \def\HoLogoCs@eTeX#1{%
1215 $ #1{\string ~~~~0395}{\string ~~~~03b5}%
1216 & #1{e}{E}%
1217 TeX%
1218 }%
1219 \catcode'\$=3 %
1220 \catcode'\&=4 %

```

\HoLogoBkm@eTeX

```

1221 \def\HoLogoBkm@eTeX#1{%
1222 \HLOGO@PdfdocUnicode{#1{e}{E}}{\83\265}%\textepsilon
1223 -%
1224 \hologo{TeX}%
1225 }

```

\HoLogoHtml@eTeX

```

1226 \def\HoLogoHtml@eTeX#1{%
1227 \ltx@mbox{%
1228 \HLOGO@MathSetup
1229 $\varepsilon$%
1230 -%
1231 \hologo{TeX}%
1232 }%
1233 }

```

## 2.10.9 iniTeX

\HoLogo@iniTeX

```

1234 \def\HoLogo@iniTeX#1{%
1235 \HLOGO@mbox{%
1236 #1{i}{I}ni\hologo{TeX}%
1237 }%
1238 }

```

\HoLogo@tag@iniTeX

```

1239 \def\HoLogo@tag@iniTeX#1{#1{i}{I}niTeX}

```

```
\HoLogoCs@iniTeX
1240 \def\HoLogoCs@iniTeX#1{#1{i}{I}niTeX}
```

```
\HoLogoBkm@iniTeX
1241 \def\HoLogoBkm@iniTeX#1{%
1242   #1{i}{I}ni\hologo{TeX}%
1243 }
```

```
\HoLogoHtml@iniTeX
1244 \let\HoLogoHtml@iniTeX\HoLogo@iniTeX
```

## 2.10.10 virTeX

```
\HoLogo@virTeX
1245 \def\HoLogo@virTeX#1{%
1246   \HOLOGO@mbbox{%
1247     #1{v}{V}ir\hologo{TeX}%
1248   }%
1249 }
```

```
\HoLogo@tag@virTeX
1250 \def\HoLogo@tag@virTeX#1{#1{v}{V}irTeX}
```

```
\HoLogoCs@virTeX
1251 \def\HoLogoCs@virTeX#1{#1{v}{V}irTeX}
```

```
\HoLogoBkm@virTeX
1252 \def\HoLogoBkm@virTeX#1{%
1253   #1{v}{V}ir\hologo{TeX}%
1254 }
```

```
\HoLogoHtml@virTeX
1255 \let\HoLogoHtml@virTeX\HoLogo@virTeX
```

## 2.10.11 SLiTeX

Definitions of the three variants.

```
\HoLogo@SLiTeX@lift
1256 \def\HoLogo@SLiTeX@lift#1{%
1257   \HoLogoFont@font{SLiTeX}{rm}{%
1258     S%
1259     \kern-.06em%
1260     L%
1261     \kern-.18em%
1262     \raise.32ex\hbox{\HoLogoFont@font{SLiTeX}{sc}{i}}%
1263     \HOLOGO@discretionary
1264     \kern-.06em%
1265     \hologo{TeX}%
1266   }%
1267 }
```

```
\HoLogoBkm@SLiTeX@lift
1268 \def\HoLogoBkm@SLiTeX@lift#1{SLiTeX}
```

```
\HoLogoHtml@SLiTeX@lift
1269 \def\HoLogoHtml@SLiTeX@lift#1{%
1270   \HoLogoCss@SLiTeX@lift
1271   \HOLOGO@Span{SLiTeX-lift}{%
1272     \HoLogoFont@font{SLiTeX}{rm}{%
1273       S%
```

```

1274      \HOLOGO@Span{L}{L}%
1275      \HOLOGO@Span{i}{i}%
1276      \hologo{TeX}%
1277  }%
1278 }%
1279 }

\HoLogoCss@SLiTeX@lift
1280 \def\HoLogoCss@SLiTeX@lift{%
1281   \Css{%
1282     span.HoLogo-SLiTeX-lift span.HoLogo-L{%
1283       margin-left:-.06em;%
1284       margin-right:-.18em;%
1285     }%
1286   }%
1287   \Css{%
1288     span.HoLogo-SLiTeX-lift span.HoLogo-i{%
1289       position:relative;%
1290       top:-.32ex;%
1291       margin-right:-.06em;%
1292       font-variant:small-caps;%
1293     }%
1294   }%
1295   \global\let\HoLogoCss@SLiTeX@lift\relax
1296 }

\HoLogo@SLiTeX@simple
1297 \def\HoLogo@SLiTeX@simple#1{%
1298   \HoLogoFont@font{SLiTeX}{rm}{%
1299     \ltx@mbbox{%
1300       \HoLogoFont@font{SLiTeX}{sc}{SLi}%
1301     }%
1302     \HOLOGO@discretionary
1303     \hologo{TeX}%
1304   }%
1305 }

\HoLogoBkm@SLiTeX@simple
1306 \def\HoLogoBkm@SLiTeX@simple#1{SLiTeX}

\HoLogoHtml@SLiTeX@simple
1307 \let\HoLogoHtml@SLiTeX@simple\HoLogo@SLiTeX@simple

\HoLogo@SLiTeX@narrow
1308 \def\HoLogo@SLiTeX@narrow#1{%
1309   \HoLogoFont@font{SLiTeX}{rm}{%
1310     \ltx@mbbox{%
1311       S%
1312       \kern-.06em%
1313       \HoLogoFont@font{SLiTeX}{sc}{%
1314         1%
1315         \kern-.035em%
1316         i%
1317       }%
1318     }%
1319     \HOLOGO@discretionary
1320     \kern-.06em%
1321     \hologo{TeX}%
1322   }%
1323 }

\HoLogoBkm@SLiTeX@narrow
1324 \def\HoLogoBkm@SLiTeX@narrow#1{SLiTeX}

```

\HoLogoHtml@SLiTeX@narrow

```
1325 \def\HoLogoHtml@SLiTeX@narrow#1{%
1326   \HoLogoCss@SLiTeX@narrow
1327   \HOLOGO@Span{SLiTeX-narrow}{%
1328     \HoLogoFont@font{SLiTeX}{rm}{%
1329       S%
1330       \HOLOGO@Span{1}{1}%
1331       \HOLOGO@Span{i}{i}%
1332       \hologo{TeX}%
1333     }%
1334   }%
1335 }
```

\HoLogoCss@SLiTeX@narrow

```
1336 \def\HoLogoCss@SLiTeX@narrow{%
1337   \Css{%
1338     span.HoLogo-SLiTeX-narrow span.HoLogo-l{%
1339       margin-left:-.06em;%
1340       margin-right:-.035em;%
1341       font-variant:small-caps;%
1342     }%
1343   }%
1344   \Css{%
1345     span.HoLogo-SLiTeX-narrow span.HoLogo-i{%
1346       margin-right:-.06em;%
1347       font-variant:small-caps;%
1348     }%
1349   }%
1350   \global\let\HoLogoCss@SLiTeX@narrow\relax
1351 }
```

**Macro set completion.**

\HoLogo@SLiTeX@simple

```
1352 \def\HoLogo@SLiTeX@simple{\HoLogo@SLiTeX@simple}
```

\HoLogoBkm@SLiTeX@simple

```
1353 \def\HoLogoBkm@SLiTeX@simple{\HoLogoBkm@SLiTeX@simple}
```

\HoLogoHtml@SLiTeX@simple

```
1354 \def\HoLogoHtml@SLiTeX@simple{\HoLogoHtml@SLiTeX@simple}
```

\HoLogo@SLiTeX@narrow

```
1355 \def\HoLogo@SLiTeX@narrow{\HoLogo@SLiTeX@narrow}
```

\HoLogoBkm@SLiTeX@narrow

```
1356 \def\HoLogoBkm@SLiTeX@narrow{\HoLogoBkm@SLiTeX@narrow}
```

\HoLogoHtml@SLiTeX@narrow

```
1357 \def\HoLogoHtml@SLiTeX@narrow{\HoLogoHtml@SLiTeX@narrow}
```

\HoLogo@SLiTeX@lift

```
1358 \def\HoLogo@SLiTeX@lift{\HoLogo@SLiTeX@lift}
```

\HoLogoBkm@SLiTeX@lift

```
1359 \def\HoLogoBkm@SLiTeX@lift{\HoLogoBkm@SLiTeX@lift}
```

\HoLogoHtml@SLiTeX@lift

```
1360 \def\HoLogoHtml@SLiTeX@lift{\HoLogoHtml@SLiTeX@lift}
```

## Defaults.

```
\HoLogo@SLiTeX
1361 \def\HoLogo@SLiTeX{\HoLogo@SLiTeX@lift}

\HoLogoBkm@SLiTeX
1362 \def\HoLogoBkm@SLiTeX{\HoLogoBkm@SLiTeX@lift}

\HoLogoHtml@SLiTeX
1363 \def\HoLogoHtml@SLiTeX{\HoLogoHtml@SLiTeX@lift}

\HoLogo@SliTeX
1364 \def\HoLogo@SliTeX{\HoLogo@SliTeX@narrow}

\HoLogoBkm@SliTeX
1365 \def\HoLogoBkm@SliTeX{\HoLogoBkm@SliTeX@narrow}

\HoLogoHtml@SliTeX
1366 \def\HoLogoHtml@SliTeX{\HoLogoHtml@SliTeX@narrow}
```

### 2.10.12 LuaTeX

```
\HoLogo@LuaTeX The kerning is an idea of Hans Hagen, see mailing list ‘luatex at tug dot org’ in
March 2010.
1367 \def\HoLogo@LuaTeX#1{%
1368   \HOLOGO@mbbox{%
1369     Lua%
1370     \HOLOGO@NegativeKerning{aT,oT,To}%
1371     \hologo{TeX}%
1372   }%
1373 }

\HoLogoHtml@LuaTeX
1374 \let\HoLogoHtml@LuaTeX\HoLogo@LuaTeX
```

### 2.10.13 LuaLaTeX

```
\HoLogo@LuaLaTeX
1375 \def\HoLogo@LuaLaTeX#1{%
1376   \HOLOGO@mbbox{%
1377     Lua%
1378     \hologo{LaTeX}%
1379   }%
1380 }

\HoLogoHtml@LuaLaTeX
1381 \let\HoLogoHtml@LuaLaTeX\HoLogo@LuaLaTeX
```

### 2.10.14 XeTeX, XeLaTeX

```
\HOLOGO@IfCharExists
1382 \ifluatex
1383   \ifnum\luatexversion<36 %
1384   \else
1385     \def\HOLOGO@IfCharExists#1{%
1386       \ifnum
1387         \directlua{%
1388           if luaotfload and luaotfload.aux then
1389             if luaotfload.aux.font_has_glyph(%
1390               font.current(), \number#1) then %
1391               tex.print("1") %
```

```

1392     end %
1393   elseif font and font.fonts and font.current then %
1394     local f = font.fonts[font.current()]%
1395     if f.characters and f.characters[\number#1] then %
1396       tex.print("1")%
1397     end %
1398   end%
1399   }0=\ltx@zero
1400   \expandafter\ltx@secondoftwo
1401   \else
1402     \expandafter\ltx@firstoftwo
1403   \fi
1404 }%
1405 \fi
1406 \fi
1407 \ltx@ifundefined{HOLOGO@ifCharExists}{%
1408   \def\HOLOGO@ifCharExists#1{%
1409     \begingroup
1410     \tracinglostchars=\ltx@zero
1411     \setbox\ltx@zero=\hbox{%
1412       \kern7sp\char#1\relax
1413       \ifnum\lastkern>\ltx@zero
1414         \expandafter\aftergroup\csname iffalse\endcsname
1415       \else
1416         \expandafter\aftergroup\csname iftrue\endcsname
1417       \fi
1418     }%
1419     % \if{true|false} from \aftergroup
1420     \endgroup
1421     \expandafter\ltx@firstoftwo
1422   \else
1423     \endgroup
1424     \expandafter\ltx@secondoftwo
1425   \fi
1426 }%
1427 \ifxetex
1428   \ltx@ifundefined{XeTeXfonttype}{}%
1429   \ltx@ifundefined{XeTeXcharglyph}{}%
1430   \def\HOLOGO@ifCharExists#1{%
1431     \ifnum\XeTeXfonttype\font>\ltx@zero
1432       \expandafter\ltx@firstofthree
1433     \else
1434       \expandafter\ltx@gobble
1435     \fi
1436   {%
1437     \ifnum\XeTeXcharglyph#1>\ltx@zero
1438       \expandafter\ltx@firstoftwo
1439     \else
1440       \expandafter\ltx@secondoftwo
1441     \fi
1442   }%
1443   \HOLOGO@ifCharExists{#1}%
1444 }%
1445 }%
1446 }%
1447 \fi
1448 }{}
1449 \ltx@ifundefined{HOLOGO@ifCharExists}{%
1450   \ifnum64='^^^0040\relax % test for big chars of LuaTeX/XeTeX
1451     \let\HOLOGO@ifCharExists\HOLOGO@ifCharExists
1452   \else
1453     \def\HOLOGO@ifCharExists#1{%

```

```

1454     \ifnum#1>255 %
1455         \expandafter\ltx@fourthoffour
1456     \fi
1457     \HOLOGO@IfCharExists{#1}%
1458 }%
1459 \fi
1460 {}

```

\HoLogo@Xe Source: package dtklogos

```

1461 \def\HoLogo@Xe#1{%
1462   X%
1463   \kern-.1em\relax
1464   \HOLOGO@IfCharExists{"018E}{%
1465     \lower.5ex\hbox{\char"018E}%
1466   }{%
1467     \chardef\HOLOGO@choice=\ltx@zero
1468     \ifdim\fontdimen\ltx@one\font>0pt %
1469       \ltx@ifundefined{rotatebox}{%
1470         \ltx@ifundefined{pgftext}{%
1471           \ltx@ifundefined{psscalebox}{%
1472             \ltx@ifundefined{HOLOGO@ScaleBox@\hologoDriver}{%
1473               }{%
1474                 \chardef\HOLOGO@choice=4 %
1475               }%
1476             }{%
1477               \chardef\HOLOGO@choice=3 %
1478             }%
1479           }{%
1480             \chardef\HOLOGO@choice=2 %
1481           }%
1482         }{%
1483           \chardef\HOLOGO@choice=1 %
1484         }%
1485       \ifcase\HOLOGO@choice
1486         \HOLOGO@WarningUnsupportedDriver{Xe}%
1487       e%
1488     \or % 1: \rotatebox
1489       \begingroup
1490         \setbox\ltx@zero\hbox{\rotatebox{180}{E}}%
1491         \ltx@LocDimenA=\dp\ltx@zero
1492         \advance\ltx@LocDimenA by -.5ex\relax
1493         \raise\ltx@LocDimenA\box\ltx@zero
1494       \endgroup
1495     \or % 2: \pgftext
1496       \lower.5ex\hbox{%
1497         \pgfpicture
1498           \pgftext[rotate=180]{E}%
1499         \endpgfpicture
1500       }%
1501     \or % 3: \psscalebox
1502       \begingroup
1503         \setbox\ltx@zero\hbox{\psscalebox{-1 -1}{E}}%
1504         \ltx@LocDimenA=\dp\ltx@zero
1505         \advance\ltx@LocDimenA by -.5ex\relax
1506         \raise\ltx@LocDimenA\box\ltx@zero
1507       \endgroup
1508     \or % 4: \HOLOGO@PointReflectBox
1509       \lower.5ex\hbox{\HOLOGO@PointReflectBox{E}}%
1510     \else
1511       \@PackageError{hologo}{Internal error (choice/it)}{\@ehc
1512     \fi
1513   \else
1514     \ltx@ifundefined{reflectbox}{%

```

```

1515 \ltx@ifundefined{pgftext}{%
1516 \ltx@ifundefined{psscalebox}{%
1517 \ltx@ifundefined{HOLOGO@ScaleBox@hologoDriver}{%
1518 }{%
1519 \chardef\HOLOGO@choice=4 %
1520 }%
1521 }{%
1522 \chardef\HOLOGO@choice=3 %
1523 }%
1524 }{%
1525 \chardef\HOLOGO@choice=2 %
1526 }%
1527 }{%
1528 \chardef\HOLOGO@choice=1 %
1529 }%
1530 \ifcase\HOLOGO@choice
1531 \HOLOGO@WarningUnsupportedDriver{Xe}%
1532 e%
1533 \or % 1: reflectbox
1534 \lower.5ex\hbox{%
1535 \reflectbox{E}%
1536 }%
1537 \or % 2: \pgftext
1538 \lower.5ex\hbox{%
1539 \pgfpicture
1540 \pgftransformxscale{-1}%
1541 \pgftext{E}%
1542 \endpgfpicture
1543 }%
1544 \or % 3: \psscalebox
1545 \lower.5ex\hbox{%
1546 \psscalebox{-1 1}{E}%
1547 }%
1548 \or % 4: \HOLOGO@Reflectbox
1549 \lower.5ex\hbox{%
1550 \HOLOGO@ReflectBox{E}%
1551 }%
1552 \else
1553 \@PackageError{hologo}{Internal error (choice/up)}\@ehc
1554 \fi
1555 \fi
1556 }%
1557 }

```

\HoLogoHtml@Xe

```

1558 \def\HoLogoHtml@Xe#1{%
1559 \HoLogoCss@Xe
1560 \HOLOGO@Span{Xe}{%
1561 X%
1562 \HOLOGO@Span{e}{%
1563 \HCode{&\ltx@hashchar x018e;}%
1564 }%
1565 }%
1566 }

```

\HoLogoCss@Xe

```

1567 \def\HoLogoCss@Xe{%
1568 \Css{%
1569 span.HoLogo-Xe span.HoLogo-e{%
1570 position:relative;%
1571 top:.5ex;%
1572 left-margin:-.1em;%
1573 }%

```



```

1574 }%
1575 \global\let\HoLogoCss@Xe\relax
1576 }

\HoLogo@XeTeX
1577 \def\HoLogo@XeTeX#1{%
1578   \hologo{Xe}%
1579   \kern-.15em\relax
1580   \hologo{TeX}%
1581 }

\HoLogoHtml@XeTeX
1582 \def\HoLogoHtml@XeTeX#1{%
1583   \HoLogoCss@XeTeX
1584   \HOLOGO@Span{XeTeX}{%
1585     \hologo{Xe}%
1586     \hologo{TeX}%
1587   }%
1588 }

\HoLogoCss@XeTeX
1589 \def\HoLogoCss@XeTeX{%
1590   \Css{%
1591     span.HoLogo-XeTeX span.HoLogo-TeX{%
1592       margin-left:-.15em;%
1593     }%
1594   }%
1595   \global\let\HoLogoCss@XeTeX\relax
1596 }

\HoLogo@XeLaTeX
1597 \def\HoLogo@XeLaTeX#1{%
1598   \hologo{Xe}%
1599   \kern-.13em%
1600   \hologo{LaTeX}%
1601 }

\HoLogoHtml@XeLaTeX
1602 \def\HoLogoHtml@XeLaTeX#1{%
1603   \HoLogoCss@XeLaTeX
1604   \HOLOGO@Span{XeLaTeX}{%
1605     \hologo{Xe}%
1606     \hologo{LaTeX}%
1607   }%
1608 }

\HoLogoCss@XeLaTeX
1609 \def\HoLogoCss@XeLaTeX{%
1610   \Css{%
1611     span.HoLogo-XeLaTeX span.HoLogo-Xe{%
1612       margin-right:-.13em;%
1613     }%
1614   }%
1615   \global\let\HoLogoCss@XeLaTeX\relax
1616 }

```

### 2.10.15 pTeX, pLATEX

```

\HoLogo@pTeX
1617 \def\HoLogo@pTeX#1{%
1618   \HOLOGO@mbbox{p\kern-.15em}%

```

```

1619 \HOLOGO@discretionary
1620 \hologo{TeX}%
1621 }

```

`\HoLogoBkm@pTeX`

```

1622 \def\HoLogoBkm@pTeX#1{p\hologo{TeX}}

```

`\HoLogoHtml@pTeX`

```

1623 \let\HoLogoHtml@pTeX\HoLogo@pTeX

```

`\HoLogo@pLaTeX`

```

1624 \def\HoLogo@pLaTeX#1{%
1625 \HOLOGO@mbbox{p\kern-.05em}%
1626 \HOLOGO@discretionary
1627 \hologo{LaTeX}%
1628 }

```

`\HoLogoBkm@pLaTeX`

```

1629 \def\HoLogoBkm@pLaTeX#1{p\hologo{LaTeX}}

```

`\HoLogoHtml@pLaTeX`

```

1630 \let\HoLogoHtml@pLaTeX\HoLogo@pLaTeX

```

## 2.10.16 upTeX, upL<sup>A</sup>T<sub>E</sub>X

`\HoLogo@upTeX`

```

1631 \def\HoLogo@upTeX#1{%
1632 \HOLOGO@mbbox{u\kern-.05em}%
1633 \HOLOGO@discretionary
1634 \hologo{pTeX}%
1635 }

```

`\HoLogoBkm@upTeX`

```

1636 \def\HoLogoBkm@upTeX#1{u\hologo{pTeX}}

```

`\HoLogoHtml@upTeX`

```

1637 \let\HoLogoHtml@upTeX\HoLogo@upTeX

```

`\HoLogo@upLaTeX`

```

1638 \def\HoLogo@upLaTeX#1{%
1639 \HOLOGO@mbbox{u\kern-.05em}%
1640 \HOLOGO@discretionary
1641 \hologo{pLaTeX}%
1642 }

```

`\HoLogoBkm@upLaTeX`

```

1643 \def\HoLogoBkm@upLaTeX#1{u\hologo{pLaTeX}}

```

`\HoLogoHtml@upLaTeX`

```

1644 \let\HoLogoHtml@upLaTeX\HoLogo@upLaTeX

```

## 2.10.17 ApTeX, ApL<sup>A</sup>T<sub>E</sub>X

`\HoLogo@ApTeX`

```

1645 \def\HoLogo@ApTeX#1{%
1646 \HOLOGO@mbbox{A\kern-.05em}%
1647 \HOLOGO@discretionary
1648 \hologo{pTeX}%
1649 }

```

```

\HoLogoBkm@ApTeX
1650 \def\HoLogoBkm@ApTeX#1{A\hologo{pTeX}}

\HoLogoHtml@ApTeX
1651 \let\HoLogoHtml@ApTeX\HoLogo@ApTeX

\HoLogo@ApLaTeX
1652 \def\HoLogo@ApLaTeX#1{%
1653   \HOLOGO@mbbox{A\kern-.05em}%
1654   \HOLOGO@discretionary
1655   \hologo{pLaTeX}}%
1656 }

\HoLogoBkm@ApLaTeX
1657 \def\HoLogoBkm@ApLaTeX#1{A\hologo{pLaTeX}}

\HoLogoHtml@ApLaTeX
1658 \let\HoLogoHtml@ApLaTeX\HoLogo@ApLaTeX

2.10.18 pdfTeX, pdfLaTeX

\HoLogo@pdfTeX
1659 \def\HoLogo@pdfTeX#1{%
1660   \HOLOGO@mbbox{%
1661     #1{p}{P}df\hologo{TeX}}%
1662   }%
1663 }

\HoLogo@tag@pdfTeX
1664 \def\HoLogo@tag@pdfTeX#1{#1{p}{P}dfTeX}

\HoLogoCs@pdfTeX
1665 \def\HoLogoCs@pdfTeX#1{#1{p}{P}dfTeX}

\HoLogoBkm@pdfTeX
1666 \def\HoLogoBkm@pdfTeX#1{%
1667   #1{p}{P}df\hologo{TeX}}%
1668 }

\HoLogoHtml@pdfTeX
1669 \let\HoLogoHtml@pdfTeX\HoLogo@pdfTeX

\HoLogo@pdfLaTeX
1670 \def\HoLogo@pdfLaTeX#1{%
1671   \HOLOGO@mbbox{%
1672     #1{p}{P}df\hologo{LaTeX}}%
1673   }%
1674 }

\HoLogo@tag@pdfLaTeX
1675 \def\HoLogo@tag@pdfLaTeX#1{#1{p}{P}dfLaTeX}

\HoLogoCs@pdfLaTeX
1676 \def\HoLogoCs@pdfLaTeX#1{#1{p}{P}dfLaTeX}

\HoLogoBkm@pdfLaTeX
1677 \def\HoLogoBkm@pdfLaTeX#1{%
1678   #1{p}{P}df\hologo{LaTeX}}%
1679 }

\HoLogoHtml@pdfLaTeX
1680 \let\HoLogoHtml@pdfLaTeX\HoLogo@pdfLaTeX

```

## 2.10.19 V<sub>T</sub>E<sub>X</sub>

\HoLogo@VTeX

```
1681 \def\HoLogo@VTeX#1{%
1682   \HOLOGO@mbbox{%
1683     V\hologo{TeX}%
1684   }%
1685 }
```

\HoLogoHtml@VTeX

```
1686 \let\HoLogoHtml@VTeX\HoLogo@VTeX
```

## 2.10.20 $\mathcal{M}\mathcal{S}$ , ...

Source: class amsdtx

\HoLogo@AmS

```
1687 \def\HoLogo@AmS#1{%
1688   \HoLogoFont@font{AmS}{sy}{%
1689     A%
1690     \kern-.1667em%
1691     \lower.5ex\hbox{M}%
1692     \kern-.125em%
1693     S%
1694   }%
1695 }
```

\HoLogoBkm@AmS

```
1696 \def\HoLogoBkm@AmS#1{AmS}
```

\HoLogoHtml@AmS

```
1697 \def\HoLogoHtml@AmS#1{%
1698   \HoLogoCss@AmS
1699 %   \HoLogoFont@font{AmS}{sy}{%
1700     \HOLOGO@Span{AmS}{%
1701       A%
1702       \HOLOGO@Span{M}{M}%
1703       S%
1704     }%
1705 %   }%
1706 }
```

\HoLogoCss@AmS

```
1707 \def\HoLogoCss@AmS{%
1708   \Css{%
1709     span.HoLogo-AmS span.HoLogo-M{%
1710       position:relative;%
1711       top:.5ex;%
1712       margin-left:-.1667em;%
1713       margin-right:-.125em;%
1714       text-decoration:none;%
1715     }%
1716   }%
1717   \global\let\HoLogoCss@AmS\relax
1718 }
```

\HoLogo@AmSTeX

```
1719 \def\HoLogo@AmSTeX#1{%
1720   \hologo{AmS}%
1721   \HOLOGO@hyphen
1722   \hologo{TeX}%
1723 }
```

```

\HoLogo@tag@AmSTeX
1724 \def\HoLogo@tag@AmSTeX#1{AmS-TeX}

\HoLogoBkm@AmSTeX
1725 \def\HoLogoBkm@AmSTeX#1{AmS-TeX}%

\HoLogoHtml@AmSTeX
1726 \let\HoLogoHtml@AmSTeX\HoLogo@AmSTeX

\HoLogo@AmSLaTeX
1727 \def\HoLogo@AmSLaTeX#1{%
1728   \hologo{AmS}%
1729   \HOLÓG@@hyphen
1730   \hologo{LaTeX}%
1731 }

\HoLogoBkm@AmSLaTeX
1732 \def\HoLogoBkm@AmSLaTeX#1{AmS-LaTeX}%

\HoLogoHtml@AmSLaTeX
1733 \let\HoLogoHtml@AmSLaTeX\HoLogo@AmSLaTeX

```

### 2.10.21 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%
  }%
}

1734 \def\HoLogo@BibTeX@sc#1{%
1735   B%
1736   \kern-.05em%
1737   \HoLogoFont@font{BibTeX}{sc}{%
1738     i%
1739     \kern-.025em%
1740     b%
1741   }%
1742   \HOLÓG@@discretionary
1743   \kern-.08em%
1744   \hologo{TeX}%
1745 }

```

\HoLogoHtml@BibTeX@sc

```

1746 \def\HoLogoHtml@BibTeX@sc#1{%
1747   \HoLogoCss@BibTeX@sc
1748   \HOLOGO@Span{BibTeX-sc}{%
1749     B%
1750     \HOLOGO@Span{i}{i}%
1751     \HOLOGO@Span{b}{b}%
1752     \hologo{TeX}%
1753   }%
1754 }

```

\HoLogoCss@BibTeX@sc

```

1755 \def\HoLogoCss@BibTeX@sc{%
1756   \Css{%
1757     span.HoLogo-BibTeX-sc span.HoLogo-i{%
1758       margin-left:-.05em;%
1759       margin-right:-.025em;%
1760       font-variant:small-caps;%
1761     }%
1762   }%
1763   \Css{%
1764     span.HoLogo-BibTeX-sc span.HoLogo-b{%
1765       margin-right:-.08em;%
1766       font-variant:small-caps;%
1767     }%
1768   }%
1769   \global\let\HoLogoCss@BibTeX@sc\relax
1770 }

```

\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
}

```

```

1771 \def\HoLogo@BibTeX@sf#1{%
1772   B%
1773   \kern-.05em%
1774   \HoLogoFont@font{BibTeX}{bibsff}{%
1775     I%
1776     \kern-.025em%
1777     B%
1778   }%
1779   \HOLOGO@discretionary
1780   \kern-.08em%
1781   \hologo{TeX}%
1782 }

```

\HoLogoHtml@BibTeX@sf

```

1783 \def\HoLogoHtml@BibTeX@sf#1{%
1784   \HoLogoCss@BibTeX@sf
1785   \HOLGO@Span{BibTeX-sf}{%
1786     B%
1787     \HoLogoFont@font{BibTeX}{bbsf}{%
1788       \HOLGO@Span{i}{I}%
1789       B%
1790     }%
1791     \hologo{TeX}%
1792   }%
1793 }

```

\HoLogoCss@BibTeX@sf

```

1794 \def\HoLogoCss@BibTeX@sf{%
1795   \Css{%
1796     span.HoLogo-BibTeX-sf span.HoLogo-i{%
1797       margin-left:-.05em;%
1798       margin-right:-.025em;%
1799     }%
1800   }%
1801   \Css{%
1802     span.HoLogo-BibTeX-sf span.HoLogo-TeX{%
1803       margin-left:-.08em;%
1804     }%
1805   }%
1806   \global\let\HoLogoCss@BibTeX@sf\relax
1807 }

```

\HoLogo@BibTeX

```

1808 \def\HoLogo@BibTeX{\HoLogo@BibTeX@sf}

```

\HoLogoHtml@BibTeX

```

1809 \def\HoLogoHtml@BibTeX{\HoLogoHtml@BibTeX@sf}

```

## 2.10.22 BibTeX8

\HoLogo@BibTeX8

```

1810 \expandafter\def\csname HoLogo@BibTeX8\endcsname#1{%
1811   \hologo{BibTeX}%
1812   8%
1813 }

```

\HoLogoBkm@BibTeX8

```

1814 \expandafter\def\csname HoLogoBkm@BibTeX8\endcsname#1{%
1815   \hologo{BibTeX}%
1816   8%
1817 }

```

\HoLogoHtml@BibTeX8

```

1818 \expandafter
1819 \let\csname HoLogoHtml@BibTeX8\expandafter\endcsname
1820 \csname HoLogo@BibTeX8\endcsname

```

## 2.10.23 ConTeXt

\HoLogo@ConTeXt@simple

```

1821 \def\HoLogo@ConTeXt@simple#1{%
1822   \HOLGO@mbbox{Con}%
1823   \HOLGO@discretionary
1824   \HOLGO@mbbox{\hologo{TeX}t}%
1825 }

```

```

\HoLogoHtml@ConTeXt@simple
1826 \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).
1827 \def\HoLogo@ConTeXt@narrow#1{%
1828   \HOLOGO@mbbox{C\kern-.0333emon}%
1829   \HOLOGO@discretionary
1830   \kern-.0667em%
1831   \HOLOGO@mbbox{\hologo{TeX}\kern-.0333emt}%
1832 }

\HoLogoHtml@ConTeXt@narrow
1833 \def\HoLogoHtml@ConTeXt@narrow#1{%
1834   \HoLogoCss@ConTeXt@narrow
1835   \HOLOGO@Span{ConTeXt-narrow}{%
1836     \HOLOGO@Span{C}{C}%
1837     on%
1838     \hologo{TeX}%
1839     t%
1840   }%
1841 }

\HoLogoCss@ConTeXt@narrow
1842 \def\HoLogoCss@ConTeXt@narrow{%
1843   \Css{%
1844     span.HoLogo-ConTeXt-narrow span.HoLogo-C{%
1845       margin-left:-.0333em;%
1846     }%
1847   }%
1848   \Css{%
1849     span.HoLogo-ConTeXt-narrow span.HoLogo-TeX{%
1850       margin-left:-.0667em;%
1851       margin-right:-.0333em;%
1852     }%
1853   }%
1854   \global\let\HoLogoCss@ConTeXt@narrow\relax
1855 }

\HoLogo@ConTeXt
1856 \def\HoLogo@ConTeXt{\HoLogo@ConTeXt@narrow}

\HoLogoHtml@ConTeXt
1857 \def\HoLogoHtml@ConTeXt{\HoLogoHtml@ConTeXt@narrow}

```

## 2.10.24 emTeX

```

\HoLogo@emTeX
1858 \def\HoLogo@emTeX#1{%
1859   \HOLOGO@mbbox{#1{e}{E}m}%
1860   \HOLOGO@discretionary
1861   \hologo{TeX}%
1862 }

\HoLogo@tag@emTeX
1863 \def\HoLogo@tag@emTeX#1{#1{e}{E}mTeX}

\HoLogoCs@emTeX
1864 \def\HoLogoCs@emTeX#1{#1{e}{E}mTeX}%

```



\HoLogoBkm@emTeX

```
1865 \def\HoLogoBkm@emTeX#1{%
1866   #1{e}{E}m\hologo{TeX}%
1867 }
```

\HoLogoHtml@emTeX

```
1868 \let\HoLogoHtml@emTeX\HoLogo@emTeX
```

## 2.10.25 $\epsilon_X\mathrm{T}_E\mathrm{X}$

\HoLogo@ExTeX The definition is taken from the FAQ of the project  $\epsilon_X\mathrm{T}_E\mathrm{X}$  [4].

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

1869 \def\HoLogo@ExTeX#1{%
1870   \HoLogoFont@font{ExTeX}{rm}{%
1871     \ltx@mbbox{%
1872       \Hologo@MathSetup
1873       $%
1874       \textstyle
1875       \varepsilon_{%
1876         \kern-0.15em%
1877         \HoLogoFont@font{ExTeX}{sy}{X}%
1878       }%
1879       $%
1880     }%
1881     \Hologo@discretionary
1882     \kern-.15em%
1883     \hologo{TeX}%
1884   }%
1885 }
```

\HoLogo@tag@ExTeX

```
1886 \def\HoLogo@tag@ExTeX#1{#1{e}{E}xTeX}
```

\HoLogoHtml@ExTeX

```
1887 \def\HoLogoHtml@ExTeX#1{%
1888   \HoLogoCss@ExTeX
1889   \HoLogoFont@font{ExTeX}{rm}{%
1890     \Hologo@Span{ExTeX}{%
1891       \ltx@mbbox{%
1892         \Hologo@MathSetup
1893         $\textstyle\varepsilon$%
1894         \Hologo@Span{X}{$\textstyle\chi$}%
1895         \hologo{TeX}%
1896       }%
1897     }%
1898   }%
1899 }
```

\HoLogoBkm@ExTeX

```
1900 \def\HoLogoBkm@ExTeX#1{%
1901   \HOLOGO@PdfdocUnicode{#1{e}{E}x}{\83\265\83\247}%\textepsilon\textchi
1902   \hologo{TeX}%
1903 }
```

\HoLogoCss@ExTeX

```
1904 \def\HoLogoCss@ExTeX{%
1905   \Css{%
1906     span.HoLogo-ExTeX{%
1907       font-family:serif;%
1908     }%
1909   }%
1910   \Css{%
1911     span.HoLogo-ExTeX span.HoLogo-TeX{%
1912       margin-left:-.15em;%
1913     }%
1914   }%
1915   \global\let\HoLogoCss@ExTeX\relax
1916 }
```

## 2.10.26 T<sub>E</sub>X Live

\HoLogo@TeXLive

```
1917 \def\HoLogo@TeXLive#1{%
1918   \hologo{TeX}%
1919   \HOLOGO@space
1920   \HOLOGO@mbbox{Live}%
1921 }
```

\HoLogo@tag@TeXLive

```
1922 \def\HoLogo@tag@TeXLive#1{TeX Live}
```

\HoLogoBkm@TeXLive

```
1923 \def\HoLogoBkm@TeXLive#1{TeX Live}
```

\HoLogoHtml@TeXLive

```
1924 \let\HoLogoHtml@TeXLive\HoLogo@TeXLive
```

## 2.10.27 MiK<sub>T</sub>TeX

\HoLogo@MiKTeX

```
1925 \def\HoLogo@MiKTeX#1{%
1926   \HOLOGO@mbbox{MiK}%
1927   \HOLOGO@discretionary
1928   \hologo{TeX}%
1929 }
```

\HoLogoHtml@MiKTeX

```
1930 \let\HoLogoHtml@MiKTeX\HoLogo@MiKTeX
```

## 2.10.28 Oz<sub>T</sub>EX and friends

Source: Oz<sub>T</sub>EX FAQ [6]:

```
\def\OzTeX{0\kern-.03em z\kern-.15em\TeX}
(There is no kerning in OzMF, OzMP and OzTtH.)
```

`\HoLogo@0zTeX`

```
1931 \def\HoLogo@0zTeX#1{%
1932   0%
1933   \kern-.03em %
1934   z%
1935   \kern-.15em %
1936   \hologo{TeX}%
1937 }
```

`\HoLogoHtml@0zTeX`

```
1938 \def\HoLogoHtml@0zTeX#1{%
1939   \HoLogoCss@0zTeX
1940   \HOLOGO@Span{0zTeX}{%
1941     0%
1942     \HOLOGO@Span{z}{z}%
1943     \hologo{TeX}%
1944   }%
1945 }
```

`\HoLogoCss@0zTeX`

```
1946 \def\HoLogoCss@0zTeX{%
1947   \Css{%
1948     span.HoLogo-0zTeX span.HoLogo-z{%
1949       margin-left:-.03em;%
1950       margin-right:-.15em;%
1951     }%
1952   }%
1953   \global\let\HoLogoCss@0zTeX\relax
1954 }
```

`\HoLogo@0zMF`

```
1955 \def\HoLogo@0zMF#1{%
1956   \HOLOGO@mbx{0zMF}%
1957 }
```

`\HoLogo@0zMP`

```
1958 \def\HoLogo@0zMP#1{%
1959   \HOLOGO@mbx{0zMP}%
1960 }
```

`\HoLogo@0zTtH`

```
1961 \def\HoLogo@0zTtH#1{%
1962   \HOLOGO@mbx{0zTtH}%
1963 }
```

## 2.10.29 PCT<sub>E</sub>X

`\HoLogo@PCTeX`

```
1964 \def\HoLogo@PCTeX#1{%
1965   \HOLOGO@mbx{PC}%
1966   \hologo{TeX}%
1967 }
```

`\HoLogoHtml@PCTeX`

```
1968 \let\HoLogoHtml@PCTeX\HoLogo@PCTeX
```

## 2.10.30 P<sub>I</sub>CT<sub>E</sub>X

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
1969 \def\HoLogo@PiC#1{%
1970   P%
1971   \kern-.12em%
1972   \lower.5ex\hbox{I}%
1973   \kern-.075em%
1974   C%
1975   \HOLOGO@SpaceFactor
1976 }

\HoLogoHtml@PiC
1977 \def\HoLogoHtml@PiC#1{%
1978   \HoLogoCss@PiC
1979   \HOLOGO@Span{PiC}{%
1980     P%
1981     \HOLOGO@Span{i}{I}%
1982     C%
1983   }%
1984 }

\HoLogoCss@PiC
1985 \def\HoLogoCss@PiC{%
1986   \Css{%
1987     span.HoLogo-PiC span.HoLogo-i{%
1988       position:relative;%
1989       top:.5ex;%
1990       margin-left:-.12em;%
1991       margin-right:-.075em;%
1992       text-decoration:none;%
1993     }%
1994   }%
1995   \global\let\HoLogoCss@PiC\relax
1996 }

\HoLogo@PiCTeX
1997 \def\HoLogo@PiCTeX#1{%
1998   \hologo{PiC}%
1999   \HOLOGO@discretionary
2000   \kern-.11em%
2001   \hologo{TeX}%
2002 }

\HoLogoHtml@PiCTeX
2003 \def\HoLogoHtml@PiCTeX#1{%
2004   \HoLogoCss@PiCTeX
2005   \HOLOGO@Span{PiCTeX}{%
2006     \hologo{PiC}%
2007     \hologo{TeX}%
2008   }%
2009 }

```

\HoLogoCss@PiCTeX

```
2010 \def\HoLogoCss@PiCTeX{%
2011   \Css{%
2012     span.HoLogo-PiCTeX span.HoLogo-PiC{%
2013       margin-right:-.11em;%
2014     }%
2015   }%
2016   \global\let\HoLogoCss@PiCTeX\relax
2017 }
```

### 2.10.31 teTeX

\HoLogo@teTeX

```
2018 \def\HoLogo@teTeX#1{%
2019   \HOLGO@mbbox{#1{t}{T}e}%
2020   \HOLGO@discretionary
2021   \hologo{TeX}%
2022 }
```

\HoLogoCs@teTeX

```
2023 \def\HoLogoCs@teTeX#1{#1{t}{T}dfTeX}
```

\HoLogoBkm@teTeX

```
2024 \def\HoLogoBkm@teTeX#1{%
2025   #1{t}{T}e\hologo{TeX}%
2026 }
```

\HoLogoHtml@teTeX

```
2027 \let\HoLogoHtml@teTeX\HoLogo@teTeX
```

### 2.10.32 TeX4ht

\HoLogo@TeX4ht

```
2028 \expandafter\def\csname HoLogo@TeX4ht\endcsname#1{%
2029   \HOLGO@mbbox{\hologo{TeX}4ht}%
2030 }
```

\HoLogoHtml@TeX4ht

```
2031 \expandafter
2032 \let\csname HoLogoHtml@TeX4ht\expandafter\endcsname
2033 \csname HoLogo@TeX4ht\endcsname
```

### 2.10.33 SageTeX

\HoLogo@SageTeX

```
2034 \def\HoLogo@SageTeX#1{%
2035   \HOLGO@mbbox{Sage}%
2036   \HOLGO@discretionary
2037   \HOLGO@NegativeKerning{eT,oT,To}%
2038   \hologo{TeX}%
2039 }
```

\HoLogoHtml@SageTeX

```
2040 \let\HoLogoHtml@SageTeX\HoLogo@SageTeX
```

## 2.11 METAFONT and friends

\HoLogo@METAFONT

```
2041 \def\HoLogo@METAFONT#1{%
2042   \HoLogoFont@font{METAFONT}{logo}{%
2043     \Hologo@mbox{META}%
2044     \Hologo@discretionary
2045     \Hologo@mbox{FONT}%
2046   }%
2047 }
```

\HoLogo@METAPOST

```
2048 \def\HoLogo@METAPOST#1{%
2049   \HoLogoFont@font{METAPOST}{logo}{%
2050     \Hologo@mbox{META}%
2051     \Hologo@discretionary
2052     \Hologo@mbox{POST}%
2053   }%
2054 }
```

\HoLogo@MetaFun

```
2055 \def\HoLogo@MetaFun#1{%
2056   \Hologo@mbox{Meta}%
2057   \Hologo@discretionary
2058   \Hologo@mbox{Fun}%
2059 }
```

\HoLogo@MetaPost

```
2060 \def\HoLogo@MetaPost#1{%
2061   \Hologo@mbox{Meta}%
2062   \Hologo@discretionary
2063   \Hologo@mbox{Post}%
2064 }
```

## 2.12 Others

### 2.12.1 biber

\HoLogo@biber

```
2065 \def\HoLogo@biber#1{%
2066   \Hologo@mbox{#1{b}{B}i}%
2067   \Hologo@discretionary
2068   \Hologo@mbox{ber}%
2069 }
```

\HoLogo@tag@biber

```
2070 \def\HoLogo@tag@biber#1{#1{b}{B}iber}
```

\HoLogoCs@biber

```
2071 \def\HoLogoCs@biber#1{#1{b}{B}iber}
```

\HoLogoBkm@biber

```
2072 \def\HoLogoBkm@biber#1{%
2073   #1{b}{B}iber%
2074 }
```

\HoLogoHtml@biber

```
2075 \let\HoLogoHtml@biber\HoLogo@biber
```

### 2.12.2 DVIPDFMx

```

\HoLogo@DVIPDFMx
2076 \def\HoLogo@DVIPDFMx#1{\HOLOGO@mbox{DVIPDFMx}}

\HoLogoCs@DVIPDFMx
2077 \let\HoLogoCs@DVIPDFMx\HoLogo@DVIPDFMx

\HoLogoBkm@DVIPDFMx
2078 \def\HoLogoBkm@DVIPDFMx#1{DVIPDFMx}

\HoLogoHtml@DVIPDFMx
2079 \let\HoLogoHtml@DVIPDFMx\HoLogo@DVIPDFMx

```

### 2.12.3 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%
}%
}%
}{}

2080 \def\HoLogo@KOMAScript#1{%
2081 \HoLogoFont@font{KOMAScript}{sf}{%
2082 \HOLOGO@mbox{%
2083 K\kern.05em%
2084 O\kern.05em%
2085 M\kern.05em%
2086 A%
2087 }%
2088 \kern.1em%
2089 \HOLOGO@hyphen
2090 \kern.1em%
2091 \HOLOGO@mbox{Script}%
2092 }%
2093 }

\HoLogoBkm@KOMAScript
2094 \def\HoLogoBkm@KOMAScript#1{%
2095 KOMA-Script%
2096 }

\HoLogoHtml@KOMAScript
2097 \def\HoLogoHtml@KOMAScript#1{%
2098 \HoLogoCss@KOMAScript
2099 \HoLogoFont@font{KOMAScript}{sf}{%
2100 \HOLOGO@Span{KOMAScript}{%
2101 K%
2102 \HOLOGO@Span{0}{0}%
2103 M%
2104 \HOLOGO@Span{A}{A}%
2105 \HOLOGO@Span{hyphen}{-}%
2106 Script%
2107 }%
2108 }%
2109 }

```

\HoLogoCss@KOMAScript

```

2110 \def\HoLogoCss@KOMAScript{%
2111   \Css{%
2112     span.HoLogo-KOMAScript{%
2113       font-family:sans-serif;%
2114     }%
2115   }%
2116   \Css{%
2117     span.HoLogo-KOMAScript span.HoLogo-0{%
2118       padding-left:.05em;%
2119       padding-right:.05em;%
2120     }%
2121   }%
2122   \Css{%
2123     span.HoLogo-KOMAScript span.HoLogo-A{%
2124       padding-left:.05em;%
2125     }%
2126   }%
2127   \Css{%
2128     span.HoLogo-KOMAScript span.HoLogo-hyphen{%
2129       padding-left:.1em;%
2130       padding-right:.1em;%
2131     }%
2132   }%
2133   \global\let\HoLogoCss@KOMAScript\relax
2134 }

```

#### 2.12.4 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%
  }%
}

2135 \def\HoLogo@LyX#1{%
2136   L%
2137   \kern-.1667em%
2138   \lower.25em\hbox{Y}%
2139   \kern-.125em%
2140   X%
2141   \HOLOGO@SpaceFactor
2142 }

```

\HoLogoHtml@LyX

```

2143 \def\HoLogoHtml@LyX#1{%
2144   \HoLogoCss@LyX
2145   \HOLOGO@Span{LyX}{%
2146     L%
2147     \HOLOGO@Span{y}{Y}%
2148     X%
2149   }%
2150 }

```

\HoLogoCss@LyX

```

2151 \def\HoLogoCss@LyX{%
2152   \Css{%
2153     span.HoLogo-LyX span.HoLogo-y{%
2154       position:relative;%

```



```

2155     top:.25em;%
2156     margin-left:-.1667em;%
2157     margin-right:-.125em;%
2158     text-decoration:none;%
2159 }%
2160 }%
2161 \global\let\HoLogoCss@LyX\relax
2162 }

```

### 2.12.5 $\mathcal{N}\mathcal{S}$

\HoLogo@NTS Definition for  $\mathcal{N}\mathcal{S}$  can be found in package etex.man for the  $\varepsilon$ -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%
    $%
  }%
}

2163 \def\HoLogo@NTS#1{%
2164   \HoLogoFont@font{NTS}{sy}{%
2165     N\/%
2166     \kern-.35em%
2167     \lower.5ex\hbox{T\/%}
2168     \kern-.2em%
2169     S\/%
2170   }%
2171   \HOLOGO@SpaceFactor
2172 }

```

### 2.12.6 T<sub>T</sub>H (T<sub>E</sub>X to HTML translator)

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

T<sub>sub</sub>T</sub>H

\HoLogo@TTH

```

2173 \def\HoLogo@TTH#1{%
2174   \ltx@mbox{%
2175     T\HOLOGO@SubScript{T}H%
2176   }%
2177   \HOLOGO@SpaceFactor
2178 }

```

\HoLogoHtml@TTH

```

2179 \def\HoLogoHtml@TTH#1{%
2180   T\HCode{<sub>}T\HCode{</sub>}H%
2181 }

```

### 2.12.7 Hàn Thê Thành

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

\HoLogo@HanTheThanh

```
2182 \def\HoLogo@HanTheThanh#1{%
2183   \ltx@mbox{H\‘an}%
2184   \HOLOGO@space
2185   \ltx@mbox{%
2186     Th%
2187     \HOLOGO@IfCharExists{"1EBF}{%
2188       \char"1EBF\relax
2189     }{%
2190       \^e\hbox to 0pt{\hss\raise .5ex\hbox{\‘{}}}%
2191     }%
2192   }%
2193   \HOLOGO@space
2194   \ltx@mbox{Th\‘anh}%
2195 }
```

\HoLogo@tag@HanTheThanh

```
2196 \def\HoLogo@tag@HanTheThanh#1{Hàn Thế Thành}
```

\HoLogo@Bkm@HanTheThanh

```
2197 \def\HoLogo@Bkm@HanTheThanh#1{%
2198   H\‘an %
2199   Th\HOLOGO@PdfdocUnicode{\^e}{\9036\277} %
2200   Th\‘anh%
2201 }
```

\HoLogo@Html@HanTheThanh

```
2202 \def\HoLogo@Html@HanTheThanh#1{%
2203   H\‘an %
2204   Th\HCode{&\ltx@hashchar x1ebf;} %
2205   Th\‘anh%
2206 }
```

## 2.13 Driver detection

```
2207 \HOLOGO@IfExists\InputIfFileExists{%
2208   \InputIfFileExists{hologo.cfg}{-}{-}%
2209 }{%
2210   \ltx@ifundefined{pdf@filesize}{%
2211     \def\HOLOGO@InputIfExists{%
2212       \openin\HOLOGO@temp=hologo.cfg\relax
2213       \ifeof\HOLOGO@temp
2214         \closein\HOLOGO@temp
2215       \else
2216         \closein\HOLOGO@temp
2217         \begingroup
2218         \def\x{LaTeX2e}%
2219         \expandafter\endgroup
2220         \ifx\fmtname\x
2221           \input{hologo.cfg}%
2222         \else
2223           \input hologo.cfg\relax
2224         \fi
2225       \fi
2226     }%
2227   \ltx@ifundefined{newread}{%
2228     \chardef\HOLOGO@temp=15 %
2229     \def\HOLOGO@CheckRead{%
2230       \ifeof\HOLOGO@temp
2231         \HOLOGO@InputIfExists
2232       \else
2233         \ifcase\HOLOGO@temp
```

```

2234         \@PackageWarningNoLine{hologo}{%
2235             Configuration file ignored, because\MessageBreak
2236             a free read register could not be found%
2237         }%
2238     \else
2239         \begingroup
2240         \count\ltx@cclv=\HOLOGO@temp
2241         \advance\ltx@cclv by \ltx@minusone
2242         \edef\x{\endgroup
2243             \chardef\noexpand\HOLOGO@temp=\the\count\ltx@cclv
2244             \relax
2245         }%
2246     \x
2247 \fi
2248 \fi
2249 }%
2250 }{%
2251     \csname newread\endcsname\HOLOGO@temp
2252     \HOLOGO@InputIfExists
2253 }%
2254 }{%
2255     \edef\HOLOGO@temp{\pdf@filesize{hologo.cfg}}%
2256     \ifx\HOLOGO@temp\ltx@empty
2257     \else
2258         \ifnum\HOLOGO@temp>0 %
2259             \begingroup
2260             \def\x{LaTeX2e}%
2261             \expandafter\endgroup
2262             \ifx\fmtname\x
2263                 \input{hologo.cfg}%
2264             \else
2265                 \input hologo.cfg\relax
2266             \fi
2267         \else
2268             \@PackageInfoNoLine{hologo}{%
2269                 Empty configuration file 'hologo.cfg' ignored%
2270             }%
2271         \fi
2272     \fi
2273 }%
2274 }

2275 \def\HOLOGO@temp#1#2{%
2276     \kv@define@key{HoLogoDriver}{#1}[]{%
2277         \begingroup
2278         \def\HOLOGO@temp{##1}%
2279         \ltx@onelevel@sanitize\HOLOGO@temp
2280         \ifx\HOLOGO@temp\ltx@empty
2281         \else
2282             \@PackageError{hologo}{%
2283                 Value (\HOLOGO@temp) not permitted for option '#1'%
2284             }%
2285             \@ehc
2286         \fi
2287         \endgroup
2288         \def\hologoDriver{#2}%
2289     }%
2290 }%
2291 \def\HOLOGO@temp#1#2{%
2292     \ifx\kv@value\relax
2293         \HOLOGO@temp{#1}{#1}%
2294     \else
2295         \HOLOGO@temp{#1}{#2}%

```

```

2296 \fi
2297 }%
2298 \kv@parse@normalized{%
2299 pdftex,%
2300 luatex=pdftex,%
2301 dvipdfm,%
2302 dvipdfmx=dvipdfm,%
2303 dvips,%
2304 dvipsone=dvips,%
2305 xdvi=dvips,%
2306 xetex,%
2307 vtex,%
2308 }\HOLOGO@temp

2309 \kv@define@key{HoLogoDriver}{driverfallback}{%
2310 \def\HOLOGO@DriverFallback{#1}%
2311 }

\HOLOGO@DriverFallback

2312 \def\HOLOGO@DriverFallback{dvips}

\hologoDriverSetup
2313 \def\hologoDriverSetup{%
2314 \let\hologoDriver\ltx@undefined
2315 \HOLOGO@DriverSetup
2316 }

\HOLOGO@DriverSetup
2317 \def\HOLOGO@DriverSetup#1{%
2318 \kvsetkeys{HoLogoDriver}{#1}%
2319 \HOLOGO@CheckDriver
2320 \ltx@ifundefined{hologoDriver}{%
2321 \begingroup
2322 \edef\x{\endgroup
2323 \noexpand\kvsetkeys{HoLogoDriver}{\HOLOGO@DriverFallback}%
2324 }\x
2325 }{%
2326 \@PackageInfoNoLine{hologo}{Using driver ‘\hologoDriver’}%
2327 }

\HOLOGO@CheckDriver
2328 \def\HOLOGO@CheckDriver{%
2329 \ifpdf
2330 \def\hologoDriver{pdftex}%
2331 \let\HOLOGO@pdfliteral\pdfliteral
2332 \ifluatex
2333 \ifx\pdfextension\@undefined\else
2334 \protected\def\pdfliteral{\pdfextension literal}%
2335 \let\HOLOGO@pdfliteral\pdfliteral
2336 \fi
2337 \ltx@ifundefined{HOLOGO@pdfliteral}{%
2338 \ifnum\luatexversion<36 %
2339 \else
2340 \begingroup
2341 \let\HOLOGO@temp\endgroup
2342 \ifcase0%
2343 \directlua{%
2344 if tex.enableprimitives then %
2345 tex.enableprimitives('HOLOGO@', {'pdfliteral'})%
2346 else %
2347 tex.print('1')%
2348 end%
2349 }%

```

```

2350          \ifx\HOLOGO@pdfliteral\@undefined 1\fi%
2351          \relax%
2352        \endgroup
2353        \let\HOLOGO@temp\relax
2354        \global\let\HOLOGO@pdfliteral\HOLOGO@pdfliteral
2355      \fi%
2356      \HOLOGO@temp
2357    \fi
2358  }{}%
2359 \fi
2360 \ltx@ifundefined{HOLOGO@pdfliteral}{%
2361   \@PackageWarningNoLine{hologo}{%
2362     Cannot find \string\pdfliteral
2363   }%
2364 }{}%
2365 \else
2366   \ifxetex
2367     \def\hologoDriver{xetex}%
2368   \else
2369     \ifvtex
2370       \def\hologoDriver{vtex}%
2371     \fi
2372   \fi
2373 \fi
2374 }

```

HOLOGO@WarningUnsupportedDriver

```

2375 \def\HOLOGO@WarningUnsupportedDriver#1{%
2376   \@PackageWarningNoLine{hologo}{%
2377     Logo ‘#1’ needs driver specific macros,\MessageBreak
2378     but driver ‘\hologoDriver’ is not supported.\MessageBreak
2379     Use a different driver or\MessageBreak
2380     load package ‘graphics’ or ‘pgf’%
2381   }%
2382 }

```

### 2.13.1 Reflect box macros

Skip driver part if not needed.

```

2383 \ltx@ifundefined{reflectbox}{}{}%
2384 \ltx@ifundefined{rotatebox}{}{}%
2385   \HOLOGO@AtEnd
2386 }%
2387 }
2388 \ltx@ifundefined{pgftext}{}{}%
2389   \HOLOGO@AtEnd
2390 }
2391 \ltx@ifundefined{psscalebox}{}{}%
2392   \HOLOGO@AtEnd
2393 }
2394 \def\HOLOGO@temp{LaTeX2e}
2395 \ifx\fmtname\HOLOGO@temp
2396   \RequirePackage{kvoptions}[2011/06/30]%
2397   \ProcessKeyvalOptions{HoLogoDriver}%
2398 \fi
2399 \HOLOGO@DriverSetup{}

```

\HOLOGO@ReflectBox

```

2400 \def\HOLOGO@ReflectBox#1{%
2401   \begingroup
2402     \setbox\ltx@zero\hbox{\begingroup#1\endgroup}%
2403     \setbox\ltx@two\hbox{%

```

```

2404     \kern\wd\ltx@zero
2405     \csname HOLOGO@ScaleBox@\hologoDriver\endcsname{-1}{1}{%
2406     \hbox to 0pt{\copy\ltx@zero\hss}%
2407     }%
2408     }%
2409     \wd\ltx@two=\wd\ltx@zero
2410     \ht\ltx@two=\ht\ltx@zero
2411     \dp\ltx@two=\dp\ltx@zero
2412     \box\ltx@two
2413 \endgroup
2414 }

```

\HOLOGO@PointReflectBox

```

2415 \def\HOLOGO@PointReflectBox#1{%
2416   \begingroup
2417   \setbox\ltx@zero\hbox{\begingroup#1\endgroup}%
2418   \setbox\ltx@two\hbox{%
2419     \kern\wd\ltx@zero
2420     \raise\ht\ltx@zero\hbox{%
2421       \csname HOLOGO@ScaleBox@\hologoDriver\endcsname{-1}{-1}{%
2422       \hbox to 0pt{\copy\ltx@zero\hss}%
2423       }%
2424       }%
2425     }%
2426     \wd\ltx@two=\wd\ltx@zero
2427     \ht\ltx@two=\ht\ltx@zero
2428     \dp\ltx@two=\dp\ltx@zero
2429     \box\ltx@two
2430   \endgroup
2431 }

```

We must define all variants because of dynamic driver setup.

```

2432 \def\HOLOGO@temp#1#2{#2}

```

\HOLOGO@ScaleBox@pdftex

```

2433 \HOLOGO@temp{pdftex}{%
2434   \def\HOLOGO@ScaleBox@pdftex#1#2#3{%
2435     \HOLOGO@pdfliteral{%
2436       q #1 0 0 #2 0 0 cm%
2437     }%
2438     #3%
2439     \HOLOGO@pdfliteral{%
2440       Q%
2441     }%
2442   }%
2443 }

```

\HOLOGO@ScaleBox@dvips

```

2444 \HOLOGO@temp{dvips}{%
2445   \def\HOLOGO@ScaleBox@dvips#1#2#3{%
2446     \special{ps:%
2447       gsave %
2448       currentpoint %
2449       currentpoint translate %
2450       #1 #2 scale %
2451       neg exch neg exch translate%
2452     }%
2453     #3%
2454     \special{ps:%
2455       currentpoint %
2456       grestore %
2457       moveto%

```

```

2458 }%
2459 }%
2460 }

```

`\Hologo@ScaleBox@dvi`

```

2461 \Hologo@temp{dvi}{%
2462 \let\Hologo@ScaleBox@dvi\Hologo@ScaleBox@dvi
2463 }

```

Since  $\text{\TeX}$  v0.6.

`\Hologo@ScaleBox@xetex`

```

2464 \Hologo@temp{xetex}{%
2465 \def\Hologo@ScaleBox@xetex#1#2#3{%
2466 \special{x:gsave}%
2467 \special{x:scale #1 #2}%
2468 #3%
2469 \special{x:grestore}%
2470 }%
2471 }

```

`\Hologo@ScaleBox@vtx`

```

2472 \Hologo@temp{vtx}{%
2473 \def\Hologo@ScaleBox@vtx#1#2#3{%
2474 \special{r(#1,0,0,#2,0,0)%
2475 #3%
2476 \special{r}}%
2477 }%
2478 }

```

```

2479 \Hologo@AtEnd%
2480 \endpackage

```

## 3 Installation

### 3.1 Download

**Package.** This package is available on CTAN<sup>1</sup>:

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

[CTAN:macros/generic/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/generic/hologo.tds.zip](#)

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

### 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
```

---

<sup>1</sup>[CTAN:pkg/hologo](#)

### 3.3 Package installation

**Unpacking.** The `.dtx` file is a self-extracting `docstrip` archive. The files are extracted by running the `.dtx` through plain  $\mathrm{T}_{\mathrm{E}}\mathrm{X}$  with the `-8bit` switch set:

```
pdftex hologo.dtx or
tex -8bit 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  $\mathrm{T}_{\mathrm{E}}\mathrm{X}$  distribution ( $\mathrm{T}_{\mathrm{E}}\mathrm{X}$  Live,  $\mathrm{MiK}_{\mathrm{T}}\mathrm{E}_{\mathrm{X}}$ , ...) relies on file name databases, you must refresh these. For example,  $\mathrm{T}_{\mathrm{E}}\mathrm{X}$  Live users run `texhash` or `mktextlsr`.

### 3.5 Some details for the interested

**Unpacking with  $\mathrm{L}^{\mathrm{A}}\mathrm{T}_{\mathrm{E}}\mathrm{X}$ .** The `.dtx` chooses its action depending on the format:

**plain  $\mathrm{T}_{\mathrm{E}}\mathrm{X}$ :** Run `docstrip` and extract the files.

**$\mathrm{L}^{\mathrm{A}}\mathrm{T}_{\mathrm{E}}\mathrm{X}$ :** Generate the documentation.

If you insist on using  $\mathrm{L}^{\mathrm{A}}\mathrm{T}_{\mathrm{E}}\mathrm{X}$  for `docstrip` (really, `docstrip` does not need  $\mathrm{L}^{\mathrm{A}}\mathrm{T}_{\mathrm{E}}\mathrm{X}$ ), 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 $\mathrm{L}^{\mathrm{A}}\mathrm{T}_{\mathrm{E}}\mathrm{X}$` :

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

## 4 References

- [1] Oren Patashnik, *BIB $\mathrm{T}_{\mathrm{E}}\mathrm{X}$ ing*, 1988-02-08.  
[CTAN:pkg/bibtex](#)
- [2] Gerd Neugebauer, DANTE, *Package dtklogos*, 2011-04-25.  
<http://mirrors.ctan.org/usergrps/dante/dtk/dtk-logos.sty>



- [3] The  $\mathcal{N}\mathcal{T}\mathcal{S}$  Team, *The  $\varepsilon$ -T<sub>E</sub>X manual*, 1998-02.  
[CTAN:pkg/etex](#)
- [4] The  $\varepsilon_X$ T<sub>E</sub>X group,  *$\varepsilon_X$ T<sub>E</sub>X: FAQ – How is  $\varepsilon_X$ T<sub>E</sub>X typeset?*, 2007-04-14.  
<http://www.extex.org/documentation/faq.html>
- [5] The L<sub>A</sub>X Team, *L<sub>A</sub>X – The Document Processor*, 2011-05-08.  
<https://www.lyx.org/>
- [6] Andrew Trevorrow, OzT<sub>E</sub>X FAQ: What is the correct way to typeset “OzT<sub>E</sub>X”?, 2011-09-15 (visited).  
<http://www.trevorrow.com/oztex/ozfaq.html#oztex-logo>
- [7] Michael Wichura, *The P<sub>I</sub>CT<sub>E</sub>X macro package*, 1987-09-21. [CTAN:pkg/pictex](#)
- [8] Markus Kohm, *KOMA-Script Datei scrlogo.dtx*, 2009-01-30.  
[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<sup>A</sup>T<sub>E</sub>X3 added.
- V<sub>T</sub><sub>E</sub>X added.

### [2010/11/21 v1.3]

- `iniTEX`, `virTEX` added.

### [2011/03/25 v1.4]

- `ConTEXt` 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,  $\text{\BIBTeX}$  (`sc`, `sf`),  $\text{\emTeX}$ ,  $\text{\varepsilon_XTeX}$ , KOMA-Script,  $\LaTeX$ ,  $\text{\LyX}$ ,  $\text{\MiKTeX}$ ,  $\mathcal{N}\mathcal{S}$ , OzMF, OzMP,  $\text{\OzTeX}$ ,  $\text{\OzTtH}$ ,  $\text{\PCTeX}$ ,  $\text{\PnC}$ ,  $\text{\PnCTeX}$ , METAFONT, MetaFun, METAPOST, MetaPost,  $\text{\SLTeX}$  (`lift`, `narrow`, `simple`),  $\text{\SLTeX}$  (`narrow`, `simple`, `lift`),  $\text{\teTeX}$ .
- Fixes:  $\text{\iniTeX}$ ,  $\text{\pdfLaTeX}$ ,  $\text{\pdfTeX}$ ,  $\text{\virTeX}$ .
- `\hologoFontSetup` and `\hologoLogoFontSetup` added.
- `\hologoVariant` and `\HologoVariant` added.

#### [2011/11/22 v1.7]

- New logos:  $\text{\BIBTeX8}$ ,  $\text{\LaTeXML}$ ,  $\text{\SageTeX}$ ,  $\text{\TeX4ht}$ ,  $\text{\TTH}$ .
- $\text{\Xq}$  and friends: Driver stuff fixed.
- $\text{\Xq}$  and friends: Support for italic added.
- $\text{\Xq}$  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  $\text{\iniTeX}$ .
- Some fixes for  $\text{\iniTeX}$ .

#### [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)

#### [2019/12/05 v1.14]

- Documentation updates.

## [2021-11-16 v1.15]

- Use PU directly for textepsilon and textchi, issue #4

## [2025-11-11 v1.16]

- New logos: pTeX, pL<sup>A</sup>T<sub>E</sub>X, upTeX, upL<sup>A</sup>T<sub>E</sub>X, ApTeX, ApL<sup>A</sup>T<sub>E</sub>X, T<sub>E</sub>X Live, DVIPDFMx. (GitHub PR #11 and #12 from myhsia)
- require that \ifincsname is supported
- require that \protected is supported
- added tagging support
- guard the logos against case changes, (GitHub #3)
- Preserve height in reflectbox (GitHub #9)

## [unreleased]

- correct font keys, (GitHub #15, #17)

## [2026-04-02 v1.17]

- Fix a spurious space after the logo if tagging is used
- Fix missing keys of \hologoFontSetup (GitHub #15, #17)

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