

# The `hologo` package

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## Abstract

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

## Contents

<b>1</b>	<b>Documentation</b>	<b>3</b>
1.1	Logo macros	3
1.2	Setup macros	4
1.3	Options	4
1.4	Driver options	5
1.5	Font setup	6
1.5.1	Font order	6
1.6	Additional user macros	7
1.7	Supported contexts	7
1.8	Example	7
<b>2</b>	<b>Implementation</b>	<b>9</b>
2.1	Logo list	11
2.2	Load resources	13
2.3	Setup macros	13
2.4	Options	14
2.5	Break/no-break support	16
2.6	Font support	17
2.6.1	Font defaults	17
2.6.2	Font setup	19
2.7	Generic logo commands	20
2.7.1	<code>\hologo</code> and friends	20
2.7.2	<code>\hologoRobust</code> and friends	22
2.8	Helpers	23
2.8.1	Text subscript	24
2.9	Tagging support	24
2.10	$\mathrm{T\!E\!X}$ and friends	25
2.10.1	$\mathrm{T\!E\!X}$	25
2.10.2	plain $\mathrm{T\!E\!X}$	26
2.10.3	$\mathrm{L\!A\!T\!E\!X}$	27
2.10.4	$(\mathrm{L})\mathrm{T\!E\!X}$	28
2.10.5	$\mathrm{L\!A\!T\!E\!X}\,2_{\varepsilon}$	29
2.10.6	$\mathrm{L\!A\!T\!E\!X}3$	31
2.10.7	$\mathrm{L\!A\!T\!E\!X}ML$	31
2.10.8	$\varepsilon\text{-}\mathrm{T\!E\!X}$	32
2.10.9	$\mathrm{iniT\!E\!X}$	33
2.10.10	$\mathrm{virT\!E\!X}$	33

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

2.10.11	Sl <sub>T</sub> EX	33
2.10.12	Lua <sub>T</sub> EX	36
2.10.13	Lua <sup>L</sup> <sub>T</sub> EX	36
2.10.14	X <sub>Y</sub> EX, X <sup>L</sup> <sub>Y</sub> EX	37
2.10.15	p <sub>T</sub> EX, p <sup>L</sup> <sub>T</sub> EX	41
2.10.16	up <sub>T</sub> EX, up <sup>L</sup> <sub>T</sub> EX	41
2.10.17	Ap <sub>T</sub> EX, Ap <sup>L</sup> <sub>T</sub> EX	42
2.10.18	pdf <sub>T</sub> EX, pdf <sup>L</sup> <sub>T</sub> EX	42
2.10.19	V <sub>T</sub> EX	43
2.10.20	$\mathcal{A}\mathcal{M}\mathcal{S}$ , ...	43
2.10.21	Bib <sub>T</sub> EX	44
2.10.22	Bib <sub>T</sub> EX8	46
2.10.23	Con <sub>T</sub> EXt	47
2.10.24	em <sub>T</sub> EX	48
2.10.25	$\epsilon_X$ <sub>T</sub> EX	48
2.10.26	T <sub>E</sub> X Live	49
2.10.27	MiK <sub>T</sub> EX	49
2.10.28	Oz <sub>T</sub> EX and friends	50
2.10.29	P <sub>C</sub> <sub>T</sub> EX	50
2.10.30	P <sub>I</sub> <sub>C</sub> <sub>T</sub> EX	51
2.10.31	te <sub>T</sub> EX	52
2.10.32	T <sub>E</sub> X4ht	52
2.10.33	Sage <sub>T</sub> EX	52
2.11	METAFONT and friends	53
2.12	Others	53
2.12.1	biber	53
2.12.2	DVIPDFM <sub>x</sub>	54
2.12.3	KOMA-Script	54
2.12.4	Ly <sub>X</sub>	55
2.12.5	$\mathcal{N}\mathcal{T}\mathcal{S}$	56
2.12.6	T <sub>T</sub> H (T <sub>E</sub> X to HTML translator)	56
2.12.7	Hàn Thê Thành	56
2.13	Driver detection	57
2.13.1	Reflect box macros	60
<b>3</b>	<b>Installation</b>	<b>62</b>
3.1	Download	62
3.2	Bundle installation	62
3.3	Package installation	63
3.4	Refresh file name databases	63
3.5	Some details for the interested	63
<b>4</b>	<b>References</b>	<b>63</b>
<b>5</b>	<b>History</b>	<b>64</b>
	[2010/04/08 v1.0]	64
	[2010/04/16 v1.1]	64
	[2010/04/24 v1.2]	64
	[2010/11/21 v1.3]	64
	[2011/03/25 v1.4]	64
	[2011/04/21 v1.5]	64
	[2011/10/01 v1.6]	65
	[2011/11/22 v1.7]	65
	[2011/11/29 v1.8]	65
	[2011/12/21 v1.9]	65
	[2012/04/26 v1.10]	65
	[2016/05/12 v1.11]	65
	[2016/05/16 v1.12]	65

[2017/05/01 v1.13]	65
[2019/12/05 v1.14]	65
[2021-11-16 v1.15]	66
[2025-11-11 v1.16]	66

## 6 Index 66

# 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
ApLaTeX		ApL <sup>A</sup> TeX	2025/11/11
ApTeX		ApTeX	2025/11/11
AmSLaTeX		$\mathcal{A}\mathcal{M}\mathcal{S}$ -L <sup>A</sup> TeX	2010/04/16
AmSTeX		$\mathcal{A}\mathcal{M}\mathcal{S}$ -TeX	2010/04/16
biber		biber	2011/10/01
BibTeX		BIBTeX	2011/10/01
BibTeX	sf	BIBTeX	2011/10/01
BibTeX	sc	BIBTeX	2011/10/01
BibTeX8		BIBTeX8	2011/11/22
ConTeXt		ConTeXt	2011/03/25
ConTeXt	narrow	ConTeXt	2011/03/25
ConTeXt	simple	ConTeXt	2011/03/25
DVIPDFMx		DVIPDFMx	2025/11/11
emTeX		emTeX	2010/04/26
eTeX		$\varepsilon$ -TeX	2010/04/08
ExTeX		$\varepsilon_X$ TeX	2011/10/01
HanTheThanh		Hàn Thế Thành	2011/11/29
iniTeX		iniTeX	2011/10/01
KOMAScript		KOMA-Script	2011/10/01
La		L <sup>A</sup>	2010/05/08
LaTeX		L <sup>A</sup> TeX	2010/04/08
LaTeX2e		L <sup>A</sup> TeX 2 <sub><math>\varepsilon</math></sub>	2010/04/08
LaTeX3		L <sup>A</sup> TeX3	2010/04/24
LaTeXe		L <sup>A</sup> TeX 2 <sub><math>\varepsilon</math></sub>	2010/04/08
LaTeXML		L <sup>A</sup> TeXML	2011/11/22
LaTeXTeX		(L)TeX	2011/10/01
LuaLaTeX		LuaL <sup>A</sup> TeX	2010/04/08
LuaTeX		LuaTeX	2010/04/08
LyX		L <sub>Y</sub> 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		MiKTeX	2011/10/01
NTS		$\mathcal{N}\mathcal{T}\mathcal{S}$	2011/10/01
OzMF		OzMF	2011/10/01
OzMP		OzMP	2011/10/01
OzTeX		OzTeX	2011/10/01

name	variant	logo	since
OzTtH		OzTtH	2011/10/01
PCTeX		PCT <sub>EX</sub>	2011/10/01
pdfTeX		pdfT <sub>EX</sub>	2011/10/01
pdfLaTeX		pdfL <sup>A</sup> T <sub>EX</sub>	2011/10/01
PiC		P <sub>I</sub> C	2011/10/01
PiCTeX		P <sub>I</sub> CT <sub>EX</sub>	2011/10/01
plainTeX		plain T <sub>EX</sub>	2010/04/08
plainTeX	space	plain T <sub>EX</sub>	2010/04/16
plainTeX	hyphen	plain-T <sub>EX</sub>	2010/04/16
plainTeX	runtogether	plainT <sub>EX</sub>	2010/04/16
pLaTeX		pL <sup>A</sup> T <sub>EX</sub>	2025/11/11
pTeX		pT <sub>EX</sub>	2025/11/11
SageTeX		SageT <sub>EX</sub>	2011/11/22
SLiTeX		SLiT <sub>EX</sub>	2011/10/01
SLiTeX	lift	SLiT <sub>EX</sub>	2011/10/01
SLiTeX	narrow	SLiT <sub>EX</sub>	2011/10/01
SLiTeX	simple	SLiT <sub>EX</sub>	2011/10/01
SliTeX		SLiT <sub>EX</sub>	2011/10/01
SliTeX	narrow	SLiT <sub>EX</sub>	2011/10/01
SliTeX	simple	SLiT <sub>EX</sub>	2011/10/01
SliTeX	lift	SLiT <sub>EX</sub>	2011/10/01
teTeX		teT <sub>EX</sub>	2011/10/01
TeX		T <sub>EX</sub>	2010/04/08
TeX4ht		T <sub>EX</sub> 4ht	2011/11/22
TeXLive		T <sub>EX</sub> Live	2025/11/11
TTH		T <sub>T</sub> H	2011/11/22
upLaTeX		upL <sup>A</sup> T <sub>EX</sub>	2025/11/11
upTeX		upT <sub>EX</sub>	2025/11/11
virTeX		virT <sub>EX</sub>	2011/10/01
VTeX		V <sub>T</sub> <sub>EX</sub>	2010/04/24
Xe		X <sub>E</sub>	2010/04/08
XeLaTeX		X <sub>E</sub> L <sup>A</sup> T <sub>EX</sub>	2010/04/08
XeTeX		X <sub>E</sub> T <sub>EX</sub>	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  $\varepsilon$ -T<sub>EX</sub> and  $\varepsilon_X$ T<sub>EX</sub>.

## 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, `XYTeX`, `VTeX`). These have precedence over a driver option. The driver can be given as package option or using `\hologoDriverSetup`. The following list contains the recognized driver options:

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

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

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

<code>\hologoDriverSetup {⟨<i>driver option</i>⟩}</code>
--

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

## 1.5 Font setup

Some logos require a special font, but should also be usable by plain  $\text{\TeX}$ . 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  $\text{\varepsilon_X\TeX}$ .

**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  $\mathcal{MS}$ ,  $\mathcal{NTS}$ ,  $\text{\varepsilon_X\TeX}$ .

**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
$\text{\BibTeX}$	$\text{\bibsf}$	$\text{\BibTeX}$
$\text{\BibTeX}$	$\text{\sc}$	$\text{\BibTeX}$
$\text{\ExTeX}$	$\text{\rm}$	$\text{\varepsilon_X\TeX}$
$\text{\SliTeX}$	$\text{\rm}$	$\text{\SliTeX}$
$\text{\AmS}$	$\text{\sy}$	$\mathcal{MS}$
$\text{\ExTeX}$	$\text{\sy}$	$\text{\varepsilon_X\TeX}$
$\text{\NTS}$	$\text{\sy}$	$\mathcal{NTS}$
$\text{\KOMAScript}$	$\text{\sf}$	KOMA-Script
$\text{\METAFONT}$	$\text{\logo}$	$\text{\METAFONT}$
$\text{\METAPOST}$	$\text{\logo}$	$\text{\METAPOST}$
$\text{\SliTeX}$	$\text{\sc}$	$\text{\SliTeX}$

### 1.5.1 Font order

For all logos the font  $\text{\general}$  is applied first. Example:

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

will print red logos. Then if the font uses a special font  $\text{\sf}$ , 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.

## 1.6 Additional user macros

Usually a variant of a logo is configured by using `\holoLogoSetup`, 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.

```
\holoVariant {⟨name⟩} {⟨variant⟩}  
\HoloVariant {⟨name⟩} {⟨variant⟩}
```

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

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

```
\holoList  
\holoEntry {⟨logo⟩} {⟨variant⟩} {⟨since⟩}
```

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

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

## 1.7 Supported contexts

Macros `\holo` 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 `\ifincsname` is available (pdfT<sub>E</sub>X, X<sub>Y</sub>T<sub>E</sub>X, LuaT<sub>E</sub>X).

## 1.8 Example

The following example prints the logos in different fonts.

```
1 ⟨*example⟩  
2 %<<verbatim  
3 \NeedsTeXFormat{LaTeX2e}  
4 \documentclass[a4paper]{article}  
5 \usepackage[  
6   hmargin=20mm,  
7   vmargin=20mm,  
8 ]{geometry}  
9 \pagestyle{empty}  
10 \usepackage{holo}[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}[0pt][0pt]{\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{\lrm} & \textbf{qtm} & \textbf{qpl} &
111 \textbf{\lms} & \textbf{qhv} &
112 \tabularnewline
113 \hline
114 \endhead
115 \hologoList
116 \end{longtable}%
117 \endgroup
118
119 \end{landscape}
120 \end{document}
121 %verbatim
122 \end{example}

```

## 2 Implementation

123 `\package`

Reload check, especially if the package is not used with L<sup>A</sup>T<sub>E</sub>X.

```

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@holologo.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{holologo}{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@holologo.sty\endcsname
189 \ProvidesPackage{holologo}%
190 [2025-11-11 v1.16 A logo collection with bookmark support (H0)]%
191 \begingroup\catcode61\catcode48\catcode32=10\relax%
192 \catcode13=5 % ^^M
193 \endlinechar=13 %
194 \catcode123=1 % {
195 \catcode125=2 % }
196 \catcode64=11 % @

```

```

197 \def\x{\endgroup
198 \expandafter\edef\csname HOLOGO@AtEnd\endcsname{%
199 \endlinechar=\the\endlinechar\relax
200 \catcode13=\the\catcode13\relax
201 \catcode32=\the\catcode32\relax
202 \catcode35=\the\catcode35\relax
203 \catcode61=\the\catcode61\relax
204 \catcode64=\the\catcode64\relax
205 \catcode123=\the\catcode123\relax
206 \catcode125=\the\catcode125\relax
207 }%
208 }%
209 \x\catcode61\catcode48\catcode32=10\relax%
210 \catcode13=5 % ^~M
211 \endlinechar=13 %
212 \catcode35=6 % #
213 \catcode64=11 % @
214 \catcode123=1 % {
215 \catcode125=2 % }
216 \def\TMP@EnsureCode#1#2{%
217 \edef\HOLOGO@AtEnd{%
218 \HOLOGO@AtEnd
219 \catcode#1=\the\catcode#1\relax
220 }%
221 \catcode#1=#2\relax
222 }
223 \TMP@EnsureCode{10}{12}% ^~J
224 \TMP@EnsureCode{33}{12}% !
225 \TMP@EnsureCode{34}{12}% "
226 \TMP@EnsureCode{36}{3}% $
227 \TMP@EnsureCode{38}{4}% &
228 \TMP@EnsureCode{39}{12}% '
229 \TMP@EnsureCode{40}{12}% (
230 \TMP@EnsureCode{41}{12}% )
231 \TMP@EnsureCode{42}{12}% *
232 \TMP@EnsureCode{43}{12}% +
233 \TMP@EnsureCode{44}{12}% ,
234 \TMP@EnsureCode{45}{12}% -
235 \TMP@EnsureCode{46}{12}% .
236 \TMP@EnsureCode{47}{12}% /
237 \TMP@EnsureCode{58}{12}% :
238 \TMP@EnsureCode{59}{12}% ;
239 \TMP@EnsureCode{60}{12}% <
240 \TMP@EnsureCode{62}{12}% >
241 \TMP@EnsureCode{63}{12}% ?
242 \TMP@EnsureCode{91}{12}% [
243 \TMP@EnsureCode{93}{12}% ]
244 \TMP@EnsureCode{94}{7}% ^ (superscript)
245 \TMP@EnsureCode{95}{8}% _ (subscript)
246 \TMP@EnsureCode{96}{12}% '
247 \TMP@EnsureCode{124}{12}% |
248 \edef\HOLOGO@AtEnd{%
249 \HOLOGO@AtEnd
250 \escapechar\the\escapechar\relax
251 \noexpand\endinput
252 }
253 \escapechar=92 %

```

## 2.1 Logo list

\hologoList

```

254 \def\hologoList{%
255 \hologoEntry{(La)TeX}{2011/10/01}%

```

256 \hologoEntry{ApLaTeX}{-}{2025/11/11}%  
 257 \hologoEntry{ApTeX}{-}{2025/11/11}%  
 258 \hologoEntry{AmSLaTeX}{-}{2010/04/16}%  
 259 \hologoEntry{AmSTeX}{-}{2010/04/16}%  
 260 \hologoEntry{biber}{-}{2011/10/01}%  
 261 \hologoEntry{BibTeX}{-}{2011/10/01}%  
 262 \hologoEntry{BibTeX}{sf}{2011/10/01}%  
 263 \hologoEntry{BibTeX}{sc}{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}{space}{2010/04/16}%  
 302 \hologoEntry{plainTeX}{hyphen}{2010/04/16}%  
 303 \hologoEntry{plainTeX}{runtogether}{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}{narrow}{2011/10/01}%  
 313 \hologoEntry{SliTeX}{simple}{2011/10/01}%  
 314 \hologoEntry{SliTeX}{lift}{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\HOLGO@name{#1}%
370 \ltx@ifundefined{HoLogo@\HOLGO@name}{%
371   \@PackageError{hologo}{%
372     Unknown logo '\HOLGO@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@\HOLOGO@name\endcsname=%
425     \csname HoLogoOpt@break@\HOLOGO@name\endcsname
426     \expandafter\chardef
427     \csname HoLogoOpt@discretionarybreak@\HOLOGO@name
428     \endcsname=%
429     \csname HoLogoOpt@break@\HOLOGO@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{hologo}{%
443       Option 'variant' is not available in \string\hologoSetup,%
444       \MessageBreak
445       Use \string\hologoLogoSetup\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{hologo}{%
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

\HOLGO@space

```

472 \def\HOLGO@space{%
473   \ltx@ifundefined{HoLogoOpt@spacebreak@\HOLGO@name}{%
474     \ltx@ifundefined{HoLogoOpt@break@\HOLGO@name}{%
475       \chardef\HOLGO@temp=\HOLGOOPT@spacebreak
476     }{%
477       \chardef\HOLGO@temp=%
478       \csname HoLogoOpt@break@\HOLGO@name\endcsname
479     }%
480   }{%
481     \chardef\HOLGO@temp=%
482     \csname HoLogoOpt@spacebreak@\HOLGO@name\endcsname
483   }%
484   \ifcase\HOLGO@temp
485     \penalty10000 %
486   \fi
487   \ltx@space
488 }

```

\HOLGO@hyphen

```

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

```

\HOLGO@discretionary

```

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

```

\HOLGO@mbox

```

524 \def\HOLGO@mbox#1{%

```



```

525 \ltx@ifundefined{HoLogoOpt@break@HOLOGO@name}{%
526   \chardef\HOLOGO@temp=\HOLOGO@OPT@hyphenbreak
527 }{%
528   \chardef\HOLOGO@temp=%
529   \csname HoLogoOpt@break@HOLOGO@name\endcsname
530 }%
531 \ifcase\HOLOGO@temp
532   \ltx@mbbox{#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{sfamily}{%
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  $\text{\TeX}$  the original small caps variant is used as default. In  $\text{\LaTeX}$  the definition of package `dtklogos` [2] is used.

```

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

```

## 2.7 Generic logo commands

```

659 \HOLOGO@IfExists\hologo{%
660   \@PackageError{hologo}{%
661     \string\hologo\ltx@space is already defined.\MessageBreak
662     Package loading is aborted%
663   }\@ehc
664   \HOLOGO@AtEnd
665 }%
666 \HOLOGO@IfExists\hologoRobust{%
667   \@PackageError{hologo}{%
668     \string\hologoRobust\ltx@space is already defined.\MessageBreak
669     Package loading is aborted%
670   }\@ehc
671   \HOLOGO@AtEnd
672 }%

```

### 2.7.1 \hologo and friends

\hologo

```

673 \def\hologo#1{%
674   \ifincsname
675     \ltx@ifundefined{HoLogoCs@\HOLOGO@Variant{#1}}{%
676       #1%
677     }{%
678       \csname HoLogoCs@\HOLOGO@Variant{#1}\endcsname\ltx@firstoftwo
679     }%
680   \else
681     \HOLOGO@IfExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
682     {%
683       \NoCaseChange{\HoLogo@tag@actualtext{first}{#1}{\hologoRobust{#1}}}%
684     }{%
685       \ltx@ifundefined{HoLogoBkm@\HOLOGO@Variant{#1}}{%
686         \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
687       }{%
688         \csname HoLogoBkm@\HOLOGO@Variant{#1}\endcsname
689         \ltx@firstoftwo
690       }%
691     }%
692   \fi
693 }

```

\Hologo

```

694 \def\Hologo#1{%
695   \ifincsname
696     \ltx@ifundefined{HoLogoCs@\HOLOGO@Variant{#1}}{%
697       #1%
698     }{%
699       \csname HoLogoCs@\HOLOGO@Variant{#1}\endcsname\ltx@secondoftwo
700     }%
701   \else
702     \HOLOGO@IfExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
703     {%
704       \NoCaseChange{\HoLogo@tag@actualtext{second}{#1}{\HologoRobust{#1}}}%
705     }{%
706       \ltx@ifundefined{HoLogoBkm@\HOLOGO@Variant{#1}}{%
707         \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
708       }{%

```

```

709         \csname HoLogoBkm@\HOLOGO@Variant{#1}\endcsname
710         \ltx@secondoftwo
711     }%
712 }%
713 \fi
714 }

```

\hologoVariant

```

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

```

\HologoVariant

```

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

```

## 2.7.2 \hologoRobust and friends

\hologoRobust

```

765 \protected\def\hologoRobust#1{%
766   \edef\HOLOGO@name{#1}%
767   \ltx@ifundefined{HoLogo@\HOLOGO@Variant\HOLOGO@name}{%
768     \@PackageError{hologo}{%
769       Unknown logo ‘\HOLOGO@name’%
770     }\@ehc
771     ?\HOLOGO@name?%
772   }{%
773     \ltx@ifundefined{ver@tex4ht.sty}{%
774       \HoLogoFont@font\HOLOGO@name{general}{%
775         \csname HoLogo@\HOLOGO@Variant\HOLOGO@name\endcsname%
776         \ltx@firstoftwo
777       }%
778     }{%
779       \ltx@ifundefined{HoLogoHtml@\HOLOGO@Variant\HOLOGO@name}{%
780         \HOLOGO@name
781       }{%
782         \csname HoLogoHtml@\HOLOGO@Variant\HOLOGO@name\endcsname
783         \ltx@firstoftwo
784       }%
785     }%
786   }%
787 }
```

\HologoRobust

```

788 \protected\def\HologoRobust#1{%
789   \edef\HOLOGO@name{#1}%
790   \ltx@ifundefined{HoLogo@\HOLOGO@Variant\HOLOGO@name}{%
791     \@PackageError{hologo}{%
792       Unknown logo ‘\HOLOGO@name’%
793     }\@ehc
794     ?\HOLOGO@name?%
795   }{%
796     \ltx@ifundefined{ver@tex4ht.sty}{%
797       \HoLogoFont@font\HOLOGO@name{general}{%
798         \csname HoLogo@\HOLOGO@Variant\HOLOGO@name\endcsname
799         \ltx@secondoftwo
800       }%
801     }{%
802       \ltx@ifundefined{HoLogoHtml@\HOLOGO@Variant\HOLOGO@name}{%
803         \expandafter\HOLOGO@Uppercase\HOLOGO@name
804       }{%
805         \csname HoLogoHtml@\HOLOGO@Variant\HOLOGO@name\endcsname
806         \ltx@secondoftwo
807       }%
808     }%
809   }%
810 }
```

\hologoVariantRobust

```

811 \protected\def\hologoVariantRobust#1#2{%
812   \begingroup
813     \hologoLogoSetup{#1}{variant={#2}}%
814     \hologoRobust{#1}%
815   \endgroup
816 }
```

\HologoVariantRobust

```

817 \protected\def\HologoVariantRobust#1#2{%
```

```

818 \begingroup
819   \hologoLogoSetup{#1}{variant={#2}}%
820   \HologoRobust{#1}%
821 \endgroup
822 }

```

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

```

823 \def\hologorobust{\hologoRobust}

```

## 2.8 Helpers

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

```

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

```

`\HOLOGO@PdfdocUnicode`

```

825 \def\HOLOGO@PdfdocUnicode{%
826   \ifx\ifHy@unicode\iftrue
827     \expandafter\ltx@secondoftwo
828   \else
829     \expandafter\ltx@firstoftwo
830   \fi
831 }

```

`\HOLOGO@Math`

```

832 \def\HOLOGO@MathSetup{%
833   \mathsurround0pt\relax
834   \csname m@th\endcsname
835   \HOLOGO@IfExists\series{%
836     \if b\expandafter\ltx@car\series x\@nil
837     \csname boldmath\endcsname
838   \fi
839 }{}%
840 }

```

`\HOLOGO@TempDimen`

```

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

```

`\HOLOGO@NegativeKerning`

```

842 \def\HOLOGO@NegativeKerning#1{%
843   \begingroup
844     \HOLOGO@TempDimen=0pt\relax
845     \comma@parse@normalized{#1}{%
846       \ifdim\HOLOGO@TempDimen=0pt %
847         \expandafter\HOLOGO@@NegativeKerning\comma@entry
848       \fi
849       \ltx@gobble
850     }%
851     \ifdim\HOLOGO@TempDimen<0pt %
852       \kern\HOLOGO@TempDimen
853     \fi
854   \endgroup
855 }

```

`\HOLOGO@@NegativeKerning`

```

856 \def\HOLOGO@@NegativeKerning#1#2{%
857   \setbox\ltx@zero\hbox{#1#2}%
858   \HOLOGO@TempDimen=\wd\ltx@zero
859   \setbox\ltx@zero\hbox{#1\kern0pt#2}%
860   \advance\HOLOGO@TempDimen by -\wd\ltx@zero
861 }

```

`\HOLOGO@SpaceFactor`

```
862 \def\HOLOGO@SpaceFactor{%
863   \spacefactor1000 %
864 }
```

`\HOLOGO@Span`

```
865 \def\HOLOGO@Span#1#2{%
866   \HCode{<span class="HoLogo-#1">}%
867   #2%
868   \HCode{</span>}}%
869 }
```

## 2.8.1 Text subscript

`\HOLOGO@SubScript`

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

## 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.

```
898 \ifcsname NewTaggingSocket\endcsname
899   \NewTaggingSocket{holo/lo}{}
900   \NewTaggingSocketPlug{holo/lo}{default}
901   {\leavevmode
902     \tagmcentd
903     \tagstructbegin{tag=Span,actualtext=#1}%
```



```

904 \tagmcbegin{}%
905 #2
906 \tagmcbend
907 \tagstructend
908 \tagmcbegin{}%
909 }
910 \AssignTaggingSocketPlug{hologo/logo}{default}
911 \protected\def\HoLogo@tag@actualtext#1#2#3{%
912 \begingroup
913 \def\HoLogo@tag@actualtext##1##2##3{##3}%
914 \ifcsname HoLogo@tag@#2\endcsname %
915 \edef\HoLogo@temp@actualtext
916 {\csname HoLogo@tag@#2\endcsname{\csname ltx@#1oftwo\endcsname}}%
917 \else
918 \edef\HoLogo@temp@actualtext{#2}%
919 \fi
920 \UseTaggingSocket{hologo/logo}{\HoLogo@temp@actualtext}{#3}%
921 \endgroup
922 }
923 \else
924 \def\HoLogo@tag@actualtext#1#2#3{#3}
925 \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.

```

926 \def\HoLogo@TeX#1{%
927 T\kern-.1667em\lower.5ex\hbox{E}\kern-.125emX\HOLOGO@SpaceFactor
928 }

```

\HoLogoHtml@TeX

```

929 \def\HoLogoHtml@TeX#1{%
930 \HoLogoCss@TeX
931 \HOLOGO@Span{TeX}{%
932 T%
933 \HOLOGO@Span{e}{%
934 E%
935 }%
936 X%
937 }%
938 }

```

\HoLogoCss@TeX

```

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

```

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

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

```
955 \def\HoLogo@plainTeX@space#1{%  
956   \HOLOGO@mbbox{#1{p}{P}lain}\HOLOGO@space\hologo{TeX}%  
957 }
```

`\HoLogoCs@plainTeX@space`

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

`\HoLogoBkm@plainTeX@space`

```
959 \def\HoLogoBkm@plainTeX@space#1{%  
960   #1{p}{P}lain \hologo{TeX}%  
961 }
```

`\HoLogoHtml@plainTeX@space`

```
962 \def\HoLogoHtml@plainTeX@space#1{%  
963   #1{p}{P}lain \hologo{TeX}%  
964 }
```

`\HoLogo@plainTeX@hyphen`

```
965 \def\HoLogo@plainTeX@hyphen#1{%  
966   \HOLOGO@mbbox{#1{p}{P}lain}\HOLOGO@hyphen\hologo{TeX}%  
967 }
```

`\HoLogoCs@plainTeX@hyphen`

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

`\HoLogoBkm@plainTeX@hyphen`

```
969 \def\HoLogoBkm@plainTeX@hyphen#1{%  
970   #1{p}{P}lain-\hologo{TeX}%  
971 }
```

`\HoLogoHtml@plainTeX@hyphen`

```
972 \def\HoLogoHtml@plainTeX@hyphen#1{%  
973   #1{p}{P}lain-\hologo{TeX}%  
974 }
```

`\HoLogo@plainTeX@runtogether`

```
975 \def\HoLogo@plainTeX@runtogether#1{%  
976   \HOLOGO@mbbox{#1{p}{P}lain}\hologo{TeX}}%  
977 }
```

`\HoLogoCs@plainTeX@runtogether`

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

`\HoLogoBkm@plainTeX@runtogether`

```
979 \def\HoLogoBkm@plainTeX@runtogether#1{%  
980   #1{p}{P}lain\hologo{TeX}%  
981 }
```

`\HoLogoHtml@plainTeX@runtogether`

```
982 \def\HoLogoHtml@plainTeX@runtogether#1{%  
983   #1{p}{P}lain\hologo{TeX}%  
984 }
```

`\HoLogo@plainTeX`

```
985 \def\HoLogo@plainTeX{\HoLogo@plainTeX@space}
```

`\HoLogo@tag@plainTeX`

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

```

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

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

\HoLogoHtml@plainTeX
989 \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
990 \def\HoLogo@La#1{%
991   L%
992   \kern-.36em%
993   \begingroup
994     \setbox\ltx@zero\hbox{T}%
995     \vbox to\ht\ltx@zero{%
996       \hbox{%
997         \ltx@ifundefined{check@mathfonts}{%
998           \csname sevenrm\endcsname
999         }{%
1000           \check@mathfonts
1001           \fontsize\sf@size{0pt}%
1002           \math@fontsfalse\selectfont
1003         }%
1004         A%
1005       }%
1006       \vss
1007     }%
1008   \endgroup
1009 }

\HoLogo@LaTeX Source: LATEX kernel.
1010 \def\HoLogo@LaTeX#1{%
1011   \hologo{La}%
1012   \kern-.15em%
1013   \hologo{TeX}%
1014 }

```

```

\HoLogoHtml@LaTeX
1015 \def\HoLogoHtml@LaTeX#1{%
1016   \HoLogoCss@LaTeX
1017   \HOLOGO@Span{LaTeX}{%
1018     L%
1019     \HOLOGO@Span{a}{%
1020       A%
1021     }%
1022     \hologo{TeX}%
1023   }%
1024 }

\HoLogoCss@LaTeX
1025 \def\HoLogoCss@LaTeX{%
1026   \Css{%
1027     span.HoLogo-LaTeX span.HoLogo-a{%
1028       position:relative;%
1029       top:-.5ex;%
1030       margin-left:-.36em;%
1031       margin-right:-.15em;%
1032       font-size:85\%;%
1033     }%
1034   }%
1035   \global\let\HoLogoCss@LaTeX\relax
1036 }

```

#### 2.10.4 (L)A<sub>T</sub>E<sub>X</sub>

\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
}

1037 \def\HoLogo@LaTeXTeX#1{%
1038   (%
1039   \kern-.15em%
1040   \hologo{La}%
1041   \kern-.2em%
1042   )%
1043   \kern-.15em%
1044   \hologo{TeX}%
1045 }

```

```

\HoLogo@tag@LaTeXTeX
1046 \def\HoLogo@tag@LaTeXTeX#1{(La)TeX}

\HoLogoBkm@LaTeXTeX
1047 \def\HoLogoBkm@LaTeXTeX#1{(La)TeX}

\HoLogo@(La)TeX
1048 \expandafter
1049 \let\csname HoLogo@(La)TeX\endcsname\HoLogo@LaTeXTeX

\HoLogoBkm@(La)TeX
1050 \expandafter
1051 \let\csname HoLogoBkm@(La)TeX\endcsname\HoLogoBkm@LaTeXTeX

\HoLogoHtml@LaTeXTeX
1052 \def\HoLogoHtml@LaTeXTeX#1{%
1053   \HoLogoCss@LaTeXTeX
1054   \Hologo@Span{LaTeXTeX}{%
1055     (%
1056     \Hologo@Span{L}{L}%
1057     \Hologo@Span{a}{A}%
1058     \Hologo@Span{ParenRight}{})}%
1059   \hologo{TeX}%
1060   }%
1061 }

\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.
1062 \expandafter
1063 \let\csname HoLogoHtml@(La)TeX\endcsname\HoLogoHtml@LaTeXTeX

\HoLogoCss@LaTeXTeX
1064 \def\HoLogoCss@LaTeXTeX{%
1065   \Css{%
1066     span.HoLogo-LaTeXTeX span.HoLogo-L{%
1067       margin-left:-.1em;%
1068     }%
1069   }%
1070   \Css{%
1071     span.HoLogo-LaTeXTeX span.HoLogo-a{%
1072       position:relative;%
1073       top:-.5ex;%
1074       margin-left:-.36em;%
1075       margin-right:-.1em;%
1076       font-size:85\%;%
1077     }%
1078   }%
1079   \Css{%
1080     span.HoLogo-LaTeXTeX span.HoLogo-ParenRight{%
1081       margin-right:-.15em;%
1082     }%
1083   }%
1084   \global\let\HoLogoCss@LaTeXTeX\relax
1085 }

```

### 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

```

1086 \def\HoLogo@LaTeXe#1{%
1087   \hologo{LaTeX}%
1088   \kern.15em%

```

```

1089 \hbox{%
1090   \HLOGO@MathSetup
1091   2%
1092   $_{\textstyle\varepsilon}$%
1093 }%
1094 }

\HoLogo@tag@LaTeXe
1095 \def\HoLogo@tag@LaTeXe#1{LaTeX2e}

\HoLogoCs@LaTeXe
1096 \ifnum64='\^^^0040\relax % test for big chars of LuaTeX/XeTeX
1097   \catcode'\$=9 %
1098   \catcode'\&=14 %
1099 \else
1100   \catcode'\$=14 %
1101   \catcode'\&=9 %
1102 \fi
1103 \def\HoLogoCs@LaTeXe#1{%
1104   LaTeX2%
1105 $ \string ^^^0395%
1106 & e%
1107 }%
1108 \catcode'\$=3 %
1109 \catcode'\&=4 %

\HoLogoBkm@LaTeXe
1110 \def\HoLogoBkm@LaTeXe#1{%
1111   \hologo{LaTeX}%
1112   2%
1113   \HLOGO@PdfdocUnicode{e}{\83\265}%\textepsilon
1114 }

\HoLogoHtml@LaTeXe
1115 \def\HoLogoHtml@LaTeXe#1{%
1116   \HoLogoCss@LaTeXe
1117   \HLOGO@Span{LaTeX2e}{%
1118     \hologo{LaTeX}%
1119     \HLOGO@Span{2}{2}%
1120     \HLOGO@Span{e}{%
1121       \HLOGO@MathSetup
1122       \ensuremath{\textstyle\varepsilon}%
1123     }%
1124   }%
1125 }

\HoLogoCss@LaTeXe
1126 \def\HoLogoCss@LaTeXe{%
1127   \Css{%
1128     span.HoLogo-LaTeX2e span.HoLogo-2{%
1129       padding-left:.15em;%
1130     }%
1131   }%
1132   \Css{%
1133     span.HoLogo-LaTeX2e span.HoLogo-e{%
1134       position:relative;%
1135       top:.35ex;%
1136       text-decoration:none;%
1137     }%
1138   }%
1139   \global\let\HoLogoCss@LaTeXe\relax
1140 }

```

```

\HoLogo@LaTeX2e
1141 \expandafter
1142 \let\csname HoLogo@LaTeX2e\endcsname\HoLogo@LaTeXe

\HoLogo@tag@LaTeX2e
1143 \expandafter\let\csname HoLogo@tag@LaTeX2e\endcsname\HoLogo@tag@LaTeXe

\HoLogoCs@LaTeX2e
1144 \expandafter
1145 \let\csname HoLogoCs@LaTeX2e\endcsname\HoLogoCs@LaTeXe

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

\HoLogoHtml@LaTeX2e
1148 \expandafter
1149 \let\csname HoLogoHtml@LaTeX2e\endcsname\HoLogoHtml@LaTeXe

```

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

```

\HoLogo@LaTeX3 Source: LATEX kernel
1150 \expandafter\def\csname HoLogo@LaTeX3\endcsname#1{%
1151   \hologo{LaTeX}%
1152   3%
1153 }

\HoLogoBkm@LaTeX3
1154 \expandafter\def\csname HoLogoBkm@LaTeX3\endcsname#1{%
1155   \hologo{LaTeX}%
1156   3%
1157 }

\HoLogoHtml@LaTeX3
1158 \expandafter
1159 \let\csname HoLogoHtml@LaTeX3\expandafter\endcsname
1160 \csname HoLogo@LaTeX3\endcsname

```

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

```

\HoLogo@LaTeXML
1161 \def\HoLogo@LaTeXML#1{%
1162   \HOLOGO@mbbox{%
1163     \hologo{La}%
1164     \kern-.15em%
1165     T%
1166     \kern-.1667em%
1167     \lower.5ex\hbox{E}%
1168     \kern-.125em%
1169     \HoLogoFont@font{LaTeXML}{sc}{xml}%
1170   }%
1171 }

\HoLogoHtml@pdfLaTeX
1172 \def\HoLogoHtml@LaTeXML#1{%
1173   \HOLOGO@Span{LaTeXML}{%
1174     \HoLogoCss@LaTeX
1175     \HoLogoCss@TeX
1176     \HOLOGO@Span{LaTeX}{%
1177       L%
1178       \HOLOGO@Span{a}{%

```

```

1179      A%
1180    }%
1181  }%
1182  \HOLOGO@Span{TeX}{%
1183    T%
1184    \HOLOGO@Span{e}{%
1185      E%
1186    }%
1187  }%
1188  \HCode{<span style="font-variant: small-caps;">}%
1189  xml%
1190  \HCode{</span>}%
1191 }%
1192 }

```

## 2.10.8 $\epsilon$ -TeX

\HoLogo@eTeX Source: package etex

```

1193 \def\HoLogo@eTeX#1{%
1194   \ltx@mbox{%
1195     \HOLOGO@MathSetup
1196     $\varepsilon$%
1197     -%
1198     \HOLOGO@NegativeKerning{-T,T-,To}%
1199     \hologo{TeX}%
1200   }%
1201 }

```

\HoLogoCs@eTeX

```

1202 \ifnum64='\^^^0040\relax % test for big chars of LuaTeX/XeTeX
1203   \catcode'\$=9 %
1204   \catcode'\&=14 %
1205 \else
1206   \catcode'\$=14 %
1207   \catcode'\&=9 %
1208 \fi
1209 \def\HoLogoCs@eTeX#1{%
1210 $ #1{\string ^^^0395}{\string ^^^03b5}%
1211 & #1{e}{E}%
1212 TeX%
1213 }%
1214 \catcode'\$=3 %
1215 \catcode'\&=4 %

```

\HoLogoBkm@eTeX

```

1216 \def\HoLogoBkm@eTeX#1{%
1217   \HOLOGO@PdfdocUnicode{#1{e}{E}}{\83\265}%\textepsilon
1218   -%
1219   \hologo{TeX}%
1220 }

```

\HoLogoHtml@eTeX

```

1221 \def\HoLogoHtml@eTeX#1{%
1222   \ltx@mbox{%
1223     \HOLOGO@MathSetup
1224     $\varepsilon$%
1225     -%
1226     \hologo{TeX}%
1227   }%
1228 }

```



### 2.10.9 iniTeX

```
\HoLogo@iniTeX
1229 \def\HoLogo@iniTeX#1{%
1230   \HOLOGO@mbbox{%
1231     #1{i}{I}ni\hologo{TeX}%
1232   }%
1233 }

\HoLogo@tag@iniTeX
1234 \def\HoLogo@tag@iniTeX#1{#1{i}{I}niTeX}

\HoLogoCs@iniTeX
1235 \def\HoLogoCs@iniTeX#1{#1{i}{I}niTeX}

\HoLogoBkm@iniTeX
1236 \def\HoLogoBkm@iniTeX#1{%
1237   #1{i}{I}ni\hologo{TeX}%
1238 }

\HoLogoHtml@iniTeX
1239 \let\HoLogoHtml@iniTeX\HoLogo@iniTeX
```

### 2.10.10 virTeX

```
\HoLogo@virTeX
1240 \def\HoLogo@virTeX#1{%
1241   \HOLOGO@mbbox{%
1242     #1{v}{V}ir\hologo{TeX}%
1243   }%
1244 }

\HoLogo@tag@virTeX
1245 \def\HoLogo@tag@virTeX#1{#1{v}{V}irTeX}

\HoLogoCs@virTeX
1246 \def\HoLogoCs@virTeX#1{#1{v}{V}irTeX}

\HoLogoBkm@virTeX
1247 \def\HoLogoBkm@virTeX#1{%
1248   #1{v}{V}ir\hologo{TeX}%
1249 }

\HoLogoHtml@virTeX
1250 \let\HoLogoHtml@virTeX\HoLogo@virTeX
```

### 2.10.11 SliTeX

Definitions of the three variants.

```
\HoLogo@SLiTeX@lift
1251 \def\HoLogo@SLiTeX@lift#1{%
1252   \HoLogoFont@font{SLiTeX}{rm}{%
1253     S%
1254     \kern-.06em%
1255     L%
1256     \kern-.18em%
1257     \raise.32ex\hbox{\HoLogoFont@font{SLiTeX}{sc}{i}}%
1258     \HOLOGO@discretionary
1259     \kern-.06em%
1260     \hologo{TeX}%
1261   }%
1262 }
```

```

\HoLogoBkm@SLiTeX@lift
1263 \def\HoLogoBkm@SLiTeX@lift#1{SLiTeX}

\HoLogoHtml@SLiTeX@lift
1264 \def\HoLogoHtml@SLiTeX@lift#1{%
1265   \HoLogoCss@SLiTeX@lift
1266   \HOLOGO@Span{SLiTeX-lift}{%
1267     \HoLogoFont@font{SLiTeX}{rm}{%
1268       S%
1269       \HOLOGO@Span{L}{L}%
1270       \HOLOGO@Span{i}{i}%
1271       \hologo{TeX}%
1272     }%
1273   }%
1274 }

\HoLogoCss@SLiTeX@lift
1275 \def\HoLogoCss@SLiTeX@lift{%
1276   \Css{%
1277     span.HoLogo-SLiTeX-lift span.HoLogo-L{%
1278       margin-left:-.06em;%
1279       margin-right:-.18em;%
1280     }%
1281   }%
1282   \Css{%
1283     span.HoLogo-SLiTeX-lift span.HoLogo-i{%
1284       position:relative;%
1285       top:-.32ex;%
1286       margin-right:-.06em;%
1287       font-variant:small-caps;%
1288     }%
1289   }%
1290   \global\let\HoLogoCss@SLiTeX@lift\relax
1291 }

\HoLogo@SLiTeX@simple
1292 \def\HoLogo@SLiTeX@simple#1{%
1293   \HoLogoFont@font{SLiTeX}{rm}{%
1294     \ltx@mbbox{%
1295       \HoLogoFont@font{SLiTeX}{sc}{SLi}%
1296     }%
1297     \HOLOGO@discretionary
1298     \hologo{TeX}%
1299   }%
1300 }

\HoLogoBkm@SLiTeX@simple
1301 \def\HoLogoBkm@SLiTeX@simple#1{SLiTeX}

\HoLogoHtml@SLiTeX@simple
1302 \let\HoLogoHtml@SLiTeX@simple\HoLogo@SLiTeX@simple

\HoLogo@SLiTeX@narrow
1303 \def\HoLogo@SLiTeX@narrow#1{%
1304   \HoLogoFont@font{SLiTeX}{rm}{%
1305     \ltx@mbbox{%
1306       S%
1307       \kern-.06em%
1308       \HoLogoFont@font{SLiTeX}{sc}{%
1309         l%
1310         \kern-.035em%
1311         i%

```

```

1312     }%
1313 }%
1314 \Hologo@discretionary
1315 \kern-.06em%
1316 \hologo{TeX}%
1317 }%
1318 }

```

\HoLogoBkm@SLiTeX@narrow

```
1319 \def\HoLogoBkm@SLiTeX@narrow#1{SLiTeX}
```

\HoLogoHtml@SLiTeX@narrow

```

1320 \def\HoLogoHtml@SLiTeX@narrow#1{%
1321   \HoLogoCss@SLiTeX@narrow
1322   \Hologo@Span{SLiTeX-narrow}{%
1323     \HoLogoFont@font{SLiTeX}{rm}{%
1324       S%
1325       \Hologo@Span{1}{1}%
1326       \Hologo@Span{i}{i}%
1327       \hologo{TeX}%
1328     }%
1329   }%
1330 }

```

\HoLogoCss@SLiTeX@narrow

```

1331 \def\HoLogoCss@SLiTeX@narrow{%
1332   \Css{%
1333     span.HoLogo-SLiTeX-narrow span.HoLogo-l{%
1334       margin-left:-.06em;%
1335       margin-right:-.035em;%
1336       font-variant:small-caps;%
1337     }%
1338   }%
1339   \Css{%
1340     span.HoLogo-SLiTeX-narrow span.HoLogo-i{%
1341       margin-right:-.06em;%
1342       font-variant:small-caps;%
1343     }%
1344   }%
1345   \global\let\HoLogoCss@SLiTeX@narrow\relax
1346 }

```

### Macro set completion.

\HoLogo@SLiTeX@simple

```
1347 \def\HoLogo@SLiTeX@simple{\HoLogo@SLiTeX@simple}
```

\HoLogoBkm@SLiTeX@simple

```
1348 \def\HoLogoBkm@SLiTeX@simple{\HoLogoBkm@SLiTeX@simple}
```

\HoLogoHtml@SLiTeX@simple

```
1349 \def\HoLogoHtml@SLiTeX@simple{\HoLogoHtml@SLiTeX@simple}
```

\HoLogo@SLiTeX@narrow

```
1350 \def\HoLogo@SLiTeX@narrow{\HoLogo@SLiTeX@narrow}
```

\HoLogoBkm@SLiTeX@narrow

```
1351 \def\HoLogoBkm@SLiTeX@narrow{\HoLogoBkm@SLiTeX@narrow}
```

\HoLogoHtml@SLiTeX@narrow

```
1352 \def\HoLogoHtml@SLiTeX@narrow{\HoLogoHtml@SLiTeX@narrow}
```

```

\HoLogo@SLiTeX@lift
1353 \def\HoLogo@SLiTeX@lift{\HoLogo@SLiTeX@lift}

\HoLogoBkm@SLiTeX@lift
1354 \def\HoLogoBkm@SLiTeX@lift{\HoLogoBkm@SLiTeX@lift}

\HoLogoHtml@SLiTeX@lift
1355 \def\HoLogoHtml@SLiTeX@lift{\HoLogoHtml@SLiTeX@lift}

```

### Defaults.

```

\HoLogo@SLiTeX
1356 \def\HoLogo@SLiTeX{\HoLogo@SLiTeX@lift}

\HoLogoBkm@SLiTeX
1357 \def\HoLogoBkm@SLiTeX{\HoLogoBkm@SLiTeX@lift}

\HoLogoHtml@SLiTeX
1358 \def\HoLogoHtml@SLiTeX{\HoLogoHtml@SLiTeX@lift}

\HoLogo@SLiTeX
1359 \def\HoLogo@SLiTeX{\HoLogo@SLiTeX@narrow}

\HoLogoBkm@SLiTeX
1360 \def\HoLogoBkm@SLiTeX{\HoLogoBkm@SLiTeX@narrow}

\HoLogoHtml@SLiTeX
1361 \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.

```

1362 \def\HoLogo@LuaTeX#1{%
1363   \HOLOGO@mbbox{%
1364     Lua%
1365     \HOLOGO@NegativeKerning{aT,oT,To}%
1366     \hologo{TeX}%
1367   }%
1368 }

```

```

\HoLogoHtml@LuaTeX
1369 \let\HoLogoHtml@LuaTeX\HoLogo@LuaTeX

```

### 2.10.13 Lua<sup>A</sup>TeX

```

\HoLogo@LuaLaTeX
1370 \def\HoLogo@LuaLaTeX#1{%
1371   \HOLOGO@mbbox{%
1372     Lua%
1373     \hologo{LaTeX}%
1374   }%
1375 }

```

```

\HoLogoHtml@LuaLaTeX
1376 \let\HoLogoHtml@LuaLaTeX\HoLogo@LuaLaTeX

```

## 2.10.14 XeTeX, XeLaTeX

\Hologo@ifCharExists

```

1377 \ifluatex
1378   \ifnum\luatexversion<36 %
1379   \else
1380     \def\Hologo@ifCharExists#1{%
1381       \ifnum
1382         \directlua{%
1383           if luaotfload and luaotfload.aux then
1384             if luaotfload.aux.font_has_glyph(%
1385               font.current(), \number#1) then %
1386               tex.print("1") %
1387             end %
1388           elseif font and font.fonts and font.current then %
1389             local f = font.fonts[font.current()]%
1390             if f.characters and f.characters[\number#1] then %
1391               tex.print("1")%
1392             end %
1393           end%
1394         }0=\ltx@zero
1395         \expandafter\ltx@secondoftwo
1396       \else
1397         \expandafter\ltx@firstoftwo
1398       \fi
1399     }%
1400   \fi
1401 \fi
1402 \ltx@ifundefined{Hologo@ifCharExists}{%
1403   \def\Hologo@@ifCharExists#1{%
1404     \begingroup
1405     \tracinglostchars=\ltx@zero
1406     \setbox\ltx@zero=\hbox{%
1407       \kern7sp\char#1\relax
1408       \ifnum\lastkern>\ltx@zero
1409         \expandafter\aftergroup\csname iffalse\endcsname
1410       \else
1411         \expandafter\aftergroup\csname iftrue\endcsname
1412       \fi
1413     }%
1414     % \if{true|false} from \aftergroup
1415     \endgroup
1416     \expandafter\ltx@firstoftwo
1417   \else
1418     \endgroup
1419     \expandafter\ltx@secondoftwo
1420   \fi
1421 }%
1422 \ifxetex
1423   \ltx@ifundefined{XeTeXfonttype}{}%
1424   \ltx@ifundefined{XeTeXcharglyph}{}%
1425   \def\Hologo@ifCharExists#1{%
1426     \ifnum\XeTeXfonttype\font>\ltx@zero
1427       \expandafter\ltx@firstofthree
1428     \else
1429       \expandafter\ltx@gobble
1430     \fi
1431   }%
1432   \ifnum\XeTeXcharglyph#1>\ltx@zero
1433     \expandafter\ltx@firstoftwo
1434   \else
1435     \expandafter\ltx@secondoftwo
1436   \fi

```

```

1437         }%
1438         \HOLOGO@@IfCharExists{#1}%
1439     }%
1440 }%
1441 }%
1442 \fi
1443 }{}
1444 \ltx@ifundefined{HOLOGO@IfCharExists}{%
1445     \ifnum64='\^^~0040\relax % test for big chars of LuaTeX/XeTeX
1446     \let\HOLOGO@IfCharExists\HOLOGO@@IfCharExists
1447 }%
1448 \else
1449     \def\HOLOGO@IfCharExists#1{%
1450         \ifnum#1>255 %
1451             \expandafter\ltx@fourthoffour
1452         \fi
1453         \HOLOGO@@IfCharExists{#1}%
1454     }%
1455 }{}

```

\HoLogo@Xe Source: package dtklogos

```

1456 \def\HoLogo@Xe#1{%
1457     X%
1458     \kern-.1em\relax
1459     \HOLOGO@IfCharExists{"018E}{%
1460         \lower.5ex\hbox{\char"018E}%
1461     }{%
1462         \chardef\HOLOGO@choice=\ltx@zero
1463         \ifdim\fontdimen\ltx@one\font>0pt %
1464             \ltx@ifundefined{rotatebox}{%
1465                 \ltx@ifundefined{pgftext}{%
1466                     \ltx@ifundefined{psscalebox}{%
1467                         \ltx@ifundefined{HOLOGO@ScaleBox@hologoDriver}{%
1468                             }{%
1469                                 \chardef\HOLOGO@choice=4 %
1470                             }%
1471                         }{%
1472                             \chardef\HOLOGO@choice=3 %
1473                         }%
1474                     }{%
1475                         \chardef\HOLOGO@choice=2 %
1476                     }%
1477                 }{%
1478                     \chardef\HOLOGO@choice=1 %
1479                 }%
1480             \ifcase\HOLOGO@choice
1481                 \HOLOGO@WarningUnsupportedDriver{Xe}%
1482                 e%
1483             \or % 1: \rotatebox
1484                 \begingroup
1485                 \setbox\ltx@zero\hbox{\rotatebox{180}{E}}%
1486                 \ltx@LocDimenA=\dp\ltx@zero
1487                 \advance\ltx@LocDimenA by -.5ex\relax
1488                 \raise\ltx@LocDimenA\box\ltx@zero
1489             \endgroup
1490             \or % 2: \pgftext
1491                 \lower.5ex\hbox{%
1492                     \pgfpicture
1493                     \pgftext[rotate=180]{E}%
1494                     \endpgfpicture
1495                 }%
1496             \or % 3: \psscalebox
1497                 \begingroup

```

```

1498         \setbox\ltx@zero\hbox{\psscalebox{-1 -1}{E}}%
1499         \ltx@LocDimenA=\dp\ltx@zero
1500         \advance\ltx@LocDimenA by -.5ex\relax
1501         \raise\ltx@LocDimenA\box\ltx@zero
1502     \endgroup
1503     \or % 4: \HOLOGO@PointReflectBox
1504         \lower.5ex\hbox{\HOLOGO@PointReflectBox{E}}%
1505     \else
1506         \@PackageError{hologo}{Internal error (choice/it)}\@ehc
1507     \fi
1508 \else
1509     \ltx@ifundefined{reflectbox}{%
1510         \ltx@ifundefined{pgftext}{%
1511             \ltx@ifundefined{psscalebox}{%
1512                 \ltx@ifundefined{HOLOGO@ScaleBox@hologoDriver}{%
1513                     }{%
1514                         \chardef\HOLOGO@choice=4 %
1515                     }%
1516                 }{%
1517                     \chardef\HOLOGO@choice=3 %
1518                 }%
1519             }{%
1520                 \chardef\HOLOGO@choice=2 %
1521             }%
1522         }{%
1523             \chardef\HOLOGO@choice=1 %
1524         }%
1525         \ifcase\HOLOGO@choice
1526             \HOLOGO@WarningUnsupportedDriver{Xe}%
1527             e%
1528         \or % 1: reflectbox
1529             \lower.5ex\hbox{%
1530                 \reflectbox{E}%
1531             }%
1532         \or % 2: \pgftext
1533             \lower.5ex\hbox{%
1534                 \pgfpicture
1535                     \pgftransformxscale{-1}%
1536                     \pgftext{E}%
1537                 \endpgfpicture
1538             }%
1539         \or % 3: \psscalebox
1540             \lower.5ex\hbox{%
1541                 \psscalebox{-1 1}{E}%
1542             }%
1543         \or % 4: \HOLOGO@Reflectbox
1544             \lower.5ex\hbox{%
1545                 \HOLOGO@ReflectBox{E}%
1546             }%
1547         \else
1548             \@PackageError{hologo}{Internal error (choice/up)}\@ehc
1549         \fi
1550     \fi
1551 }%
1552 }

```

\HoLogoHtml@Xe

```

1553 \def\HoLogoHtml@Xe#1{%
1554     \HoLogoCss@Xe
1555     \HOLOGO@Span{Xe}{%
1556         X%
1557         \HOLOGO@Span{e}{%
1558             \HCode{&\ltx@hashchar x018e;}}%

```

```

1559     }%
1560 }%
1561 }

\HoLogoCss@Xe
1562 \def\HoLogoCss@Xe{%
1563   \Css{%
1564     span.HoLogo-Xe span.HoLogo-e{%
1565       position:relative;%
1566       top:.5ex;%
1567       left-margin:-.1em;%
1568     }%
1569   }%
1570   \global\let\HoLogoCss@Xe\relax
1571 }

\HoLogo@XeTeX
1572 \def\HoLogo@XeTeX#1{%
1573   \hologo{Xe}%
1574   \kern-.15em\relax
1575   \hologo{TeX}%
1576 }

\HoLogoHtml@XeTeX
1577 \def\HoLogoHtml@XeTeX#1{%
1578   \HoLogoCss@XeTeX
1579   \HOLOGO@Span{XeTeX}{%
1580     \hologo{Xe}%
1581     \hologo{TeX}%
1582   }%
1583 }

\HoLogoCss@XeTeX
1584 \def\HoLogoCss@XeTeX{%
1585   \Css{%
1586     span.HoLogo-XeTeX span.HoLogo-TeX{%
1587       margin-left:-.15em;%
1588     }%
1589   }%
1590   \global\let\HoLogoCss@XeTeX\relax
1591 }

\HoLogo@XeLaTeX
1592 \def\HoLogo@XeLaTeX#1{%
1593   \hologo{Xe}%
1594   \kern-.13em%
1595   \hologo{LaTeX}%
1596 }

\HoLogoHtml@XeLaTeX
1597 \def\HoLogoHtml@XeLaTeX#1{%
1598   \HoLogoCss@XeLaTeX
1599   \HOLOGO@Span{XeLaTeX}{%
1600     \hologo{Xe}%
1601     \hologo{LaTeX}%
1602   }%
1603 }

\HoLogoCss@XeLaTeX
1604 \def\HoLogoCss@XeLaTeX{%
1605   \Css{%
1606     span.HoLogo-XeLaTeX span.HoLogo-Xe{%

```



```

1607     margin-right:-.13em;%
1608 }%
1609 }%
1610 \global\let\HoLogoCss@XeLaTeX\relax
1611 }

```

### 2.10.15 pTeX, pLTeX

\HoLogo@pTeX

```

1612 \def\HoLogo@pTeX#1{%
1613   \HOLOGO@mbbox{p\kern-.15em}%
1614   \HOLOGO@discretionary
1615   \hologo{TeX}%
1616 }

```

\HoLogoBkm@pTeX

```

1617 \def\HoLogoBkm@pTeX#1{p\hologo{TeX}}

```

\HoLogoHtml@pTeX

```

1618 \let\HoLogoHtml@pTeX\HoLogo@pTeX

```

\HoLogo@pLaTeX

```

1619 \def\HoLogo@pLaTeX#1{%
1620   \HOLOGO@mbbox{p\kern-.05em}%
1621   \HOLOGO@discretionary
1622   \hologo{LaTeX}%
1623 }

```

\HoLogoBkm@pLaTeX

```

1624 \def\HoLogoBkm@pLaTeX#1{p\hologo{LaTeX}}

```

\HoLogoHtml@pLaTeX

```

1625 \let\HoLogoHtml@pLaTeX\HoLogo@pLaTeX

```

### 2.10.16 upTeX, upLTeX

\HoLogo@upTeX

```

1626 \def\HoLogo@upTeX#1{%
1627   \HOLOGO@mbbox{u\kern-.05em}%
1628   \HOLOGO@discretionary
1629   \hologo{pTeX}%
1630 }

```

\HoLogoBkm@upTeX

```

1631 \def\HoLogoBkm@upTeX#1{u\hologo{pTeX}}

```

\HoLogoHtml@upTeX

```

1632 \let\HoLogoHtml@upTeX\HoLogo@upTeX

```

\HoLogo@upLaTeX

```

1633 \def\HoLogo@upLaTeX#1{%
1634   \HOLOGO@mbbox{u\kern-.05em}%
1635   \HOLOGO@discretionary
1636   \hologo{pLaTeX}%
1637 }

```

\HoLogoBkm@upLaTeX

```

1638 \def\HoLogoBkm@upLaTeX#1{u\hologo{pLaTeX}}

```

\HoLogoHtml@upLaTeX

```

1639 \let\HoLogoHtml@upLaTeX\HoLogo@upLaTeX

```

## 2.10.17 ApTeX, ApL<sup>A</sup>TeX

\HoLogo@ApTeX

```
1640 \def\HoLogo@ApTeX#1{%  
1641   \HOLOGO@mbbox{A\kern-.05em}%  
1642   \HOLOGO@discretionary  
1643   \hologo{pTeX}%  
1644 }
```

\HoLogoBkm@ApTeX

```
1645 \def\HoLogoBkm@ApTeX#1{A\hologo{pTeX}}
```

\HoLogoHtml@ApTeX

```
1646 \let\HoLogoHtml@ApTeX\HoLogo@ApTeX
```

\HoLogo@ApLaTeX

```
1647 \def\HoLogo@ApLaTeX#1{%  
1648   \HOLOGO@mbbox{A\kern-.05em}%  
1649   \HOLOGO@discretionary  
1650   \hologo{pLaTeX}%  
1651 }
```

\HoLogoBkm@ApLaTeX

```
1652 \def\HoLogoBkm@ApLaTeX#1{A\hologo{pLaTeX}}
```

\HoLogoHtml@ApLaTeX

```
1653 \let\HoLogoHtml@ApLaTeX\HoLogo@ApLaTeX
```

## 2.10.18 pdfTeX, pdfL<sup>A</sup>TeX

\HoLogo@pdfTeX

```
1654 \def\HoLogo@pdfTeX#1{%  
1655   \HOLOGO@mbbox{%  
1656     #1{p}{P}df\hologo{TeX}%  
1657   }%  
1658 }
```

\HoLogo@tag@pdfTeX

```
1659 \def\HoLogo@tag@pdfTeX#1{#1{p}{P}dfTeX}
```

\HoLogoCs@pdfTeX

```
1660 \def\HoLogoCs@pdfTeX#1{#1{p}{P}dfTeX}
```

\HoLogoBkm@pdfTeX

```
1661 \def\HoLogoBkm@pdfTeX#1{%  
1662   #1{p}{P}df\hologo{TeX}%  
1663 }
```

\HoLogoHtml@pdfTeX

```
1664 \let\HoLogoHtml@pdfTeX\HoLogo@pdfTeX
```

\HoLogo@pdfLaTeX

```
1665 \def\HoLogo@pdfLaTeX#1{%  
1666   \HOLOGO@mbbox{%  
1667     #1{p}{P}df\hologo{LaTeX}%  
1668   }%  
1669 }
```

\HoLogo@tag@pdfLaTeX

```
1670 \def\HoLogo@tag@pdfLaTeX#1{#1{p}{P}dfLaTeX}
```

```

\HoLogoCs@pdfLaTeX
1671 \def\HoLogoCs@pdfLaTeX#1{#1{p}{P}dfLaTeX}

\HoLogoBkm@pdfLaTeX
1672 \def\HoLogoBkm@pdfLaTeX#1{%
1673   #1{p}{P}df\hologo{LaTeX}%
1674 }

\HoLogoHtml@pdfLaTeX
1675 \let\HoLogoHtml@pdfLaTeX\HoLogo@pdfLaTeX

```

## 2.10.19 V<sub>TeX</sub>

```

\HoLogo@VTeX
1676 \def\HoLogo@VTeX#1{%
1677   \HOLGO@mbbox{%
1678     V\hologo{TeX}%
1679   }%
1680 }

\HoLogoHtml@VTeX
1681 \let\HoLogoHtml@VTeX\HoLogo@VTeX

```

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

Source: class amsdtx

```

\HoLogo@AmS
1682 \def\HoLogo@AmS#1{%
1683   \HoLogoFont@font{AmS}{sy}{%
1684     A%
1685     \kern-.1667em%
1686     \lower.5ex\hbox{M}%
1687     \kern-.125em%
1688     S%
1689   }%
1690 }

\HoLogoBkm@AmS
1691 \def\HoLogoBkm@AmS#1{AmS}

\HoLogoHtml@AmS
1692 \def\HoLogoHtml@AmS#1{%
1693   \HoLogoCss@AmS
1694   % \HoLogoFont@font{AmS}{sy}{%
1695     \HOLGO@Span{AmS}{%
1696       A%
1697       \HOLGO@Span{M}{M}%
1698       S%
1699     }%
1700   % }%
1701 }

\HoLogoCss@AmS
1702 \def\HoLogoCss@AmS{%
1703   \Css{%
1704     span.HoLogo-AmS span.HoLogo-M{%
1705       position:relative;%
1706       top:.5ex;%
1707       margin-left:-.1667em;%
1708       margin-right:-.125em;%

```

```

1709      text-decoration:none;%
1710    }%
1711  }%
1712  \global\let\HoLogoCss@AmS\relax
1713 }

```

\HoLogo@AmSTeX

```

1714 \def\HoLogo@AmSTeX#1{%
1715   \hologo{AmS}%
1716   \HOLOGO@hyphen
1717   \hologo{TeX}%
1718 }

```

\HoLogo@tag@AmSTeX

```

1719 \def\HoLogo@tag@AmSTeX#1{AmS-TeX}

```

\HoLogoBkm@AmSTeX

```

1720 \def\HoLogoBkm@AmSTeX#1{AmS-TeX}%

```

\HoLogoHtml@AmSTeX

```

1721 \let\HoLogoHtml@AmSTeX\HoLogo@AmSTeX

```

\HoLogo@AmSLaTeX

```

1722 \def\HoLogo@AmSLaTeX#1{%
1723   \hologo{AmS}%
1724   \HOLOGO@hyphen
1725   \hologo{LaTeX}%
1726 }

```

\HoLogoBkm@AmSLaTeX

```

1727 \def\HoLogoBkm@AmSLaTeX#1{AmS-LaTeX}%

```

\HoLogoHtml@AmSLaTeX

```

1728 \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%
  }%
}

```

```

1729 \def\HoLogo@BibTeX@sc#1{%
1730   B%
1731   \kern-.05em%
1732   \HoLogoFont@font{BibTeX}{sc}{%
1733     i%
1734     \kern-.025em%
1735     b%
1736   }%
1737   \HOLOGO@discretionary
1738   \kern-.08em%
1739   \hologo{TeX}%
1740 }

```

\HoLogoHtml@BibTeX@sc

```

1741 \def\HoLogoHtml@BibTeX@sc#1{%
1742   \HoLogoCss@BibTeX@sc
1743   \HOLOGO@Span{BibTeX-sc}{%
1744     B%
1745     \HOLOGO@Span{i}{i}%
1746     \HOLOGO@Span{b}{b}%
1747     \hologo{TeX}%
1748   }%
1749 }

```

\HoLogoCss@BibTeX@sc

```

1750 \def\HoLogoCss@BibTeX@sc{%
1751   \Css{%
1752     span.HoLogo-BibTeX-sc span.HoLogo-i{%
1753       margin-left:-.05em;%
1754       margin-right:-.025em;%
1755       font-variant:small-caps;%
1756     }%
1757   }%
1758   \Css{%
1759     span.HoLogo-BibTeX-sc span.HoLogo-b{%
1760       margin-right:-.08em;%
1761       font-variant:small-caps;%
1762     }%
1763   }%
1764   \global\let\HoLogoCss@BibTeX@sc\relax
1765 }

```

\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
}

```

```

1766 \def\HoLogo@BibTeX@sf#1{%
1767   B%
1768   \kern-.05em%
1769   \HoLogoFont@font{BibTeX}{bibsff}%
1770   I%
1771   \kern-.025em%
1772   B%
1773   }%
1774   \HOLOGO@discretionary
1775   \kern-.08em%
1776   \holologo{TeX}%
1777 }

```

\HoLogoHtml@BibTeX@sf

```

1778 \def\HoLogoHtml@BibTeX@sf#1{%
1779   \HoLogoCss@BibTeX@sf
1780   \HOLOGO@Span{BibTeX-sf}%
1781   B%
1782   \HoLogoFont@font{BibTeX}{bibsff}%
1783   \HOLOGO@Span{i}{I}%
1784   B%
1785   }%
1786   \holologo{TeX}%
1787 }%
1788 }

```

\HoLogoCss@BibTeX@sf

```

1789 \def\HoLogoCss@BibTeX@sf{%
1790   \Css{%
1791     span.HoLogo-BibTeX-sf span.HoLogo-i{%
1792       margin-left:-.05em;%
1793       margin-right:-.025em;%
1794     }%
1795   }%
1796   \Css{%
1797     span.HoLogo-BibTeX-sf span.HoLogo-TeX{%
1798       margin-left:-.08em;%
1799     }%
1800   }%
1801   \global\let\HoLogoCss@BibTeX@sf\relax
1802 }

```

\HoLogo@BibTeX

```

1803 \def\HoLogo@BibTeX{\HoLogo@BibTeX@sf}

```

\HoLogoHtml@BibTeX

```

1804 \def\HoLogoHtml@BibTeX{\HoLogoHtml@BibTeX@sf}

```

## 2.10.22 BibTeX8

\HoLogo@BibTeX8

```

1805 \expandafter\def\csname HoLogo@BibTeX8\endcsname#1{%
1806   \holologo{BibTeX}%
1807   8%
1808 }

```

\HoLogoBkm@BibTeX8

```

1809 \expandafter\def\csname HoLogoBkm@BibTeX8\endcsname#1{%
1810   \holologo{BibTeX}%
1811   8%
1812 }

```

\HoLogoHtml@BibTeX8

```
1813 \expandafter
1814 \let\csname HoLogoHtml@BibTeX8\expandafter\endcsname
1815 \csname HoLogo@BibTeX8\endcsname
```

### 2.10.23 ConTeXt

\HoLogo@ConTeXt@simple

```
1816 \def\HoLogo@ConTeXt@simple#1{%
1817   \HOLOGO@mbbox{Con}%
1818   \HOLOGO@discretionary
1819   \HOLOGO@mbbox{\hologo{TeX}t}%
1820 }
```

\HoLogoHtml@ConTeXt@simple

```
1821 \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).

```
1822 \def\HoLogo@ConTeXt@narrow#1{%
1823   \HOLOGO@mbbox{C\kern-.0333emon}%
1824   \HOLOGO@discretionary
1825   \kern-.0667em%
1826   \HOLOGO@mbbox{\hologo{TeX}\kern-.0333emt}%
1827 }
```

\HoLogoHtml@ConTeXt@narrow

```
1828 \def\HoLogoHtml@ConTeXt@narrow#1{%
1829   \HoLogoCss@ConTeXt@narrow
1830   \HOLOGO@Span{ConTeXt-narrow}{%
1831     \HOLOGO@Span{C}{C}%
1832     on%
1833     \hologo{TeX}%
1834     t%
1835   }%
1836 }
```

\HoLogoCss@ConTeXt@narrow

```
1837 \def\HoLogoCss@ConTeXt@narrow{%
1838   \Css{%
1839     span.HoLogo-ConTeXt-narrow span.HoLogo-C{%
1840       margin-left:-.0333em;%
1841     }%
1842   }%
1843   \Css{%
1844     span.HoLogo-ConTeXt-narrow span.HoLogo-TeX{%
1845       margin-left:-.0667em;%
1846       margin-right:-.0333em;%
1847     }%
1848   }%
1849   \global\let\HoLogoCss@ConTeXt@narrow\relax
1850 }
```

\HoLogo@ConTeXt

```
1851 \def\HoLogo@ConTeXt{\HoLogo@ConTeXt@narrow}
```

\HoLogoHtml@ConTeXt

```
1852 \def\HoLogoHtml@ConTeXt{\HoLogoHtml@ConTeXt@narrow}
```

## 2.10.24 emTeX

```

\HoLogo@emTeX
1853 \def\HoLogo@emTeX#1{%
1854   \HOLOGO@mbbox{#1{e}{E}m}%
1855   \HOLOGO@discretionary
1856   \hologo{TeX}%
1857 }

\HoLogo@tag@emTeX
1858 \def\HoLogo@tag@emTeX#1{#1{e}{E}mTeX}

\HoLogoCs@emTeX
1859 \def\HoLogoCs@emTeX#1{#1{e}{E}mTeX}%

\HoLogoBkm@emTeX
1860 \def\HoLogoBkm@emTeX#1{%
1861   #1{e}{E}m\hologo{TeX}%
1862 }

\HoLogoHtml@emTeX
1863 \let\HoLogoHtml@emTeX\HoLogo@emTeX

```

## 2.10.25 $\varepsilon_X$ TeX

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

```

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

1864 \def\HoLogo@ExTeX#1{%
1865   \HoLogoFont@font{ExTeX}{rm}{%
1866     \ltx@mbbox{%
1867       \HOLOGO@MathSetup
1868       $%
1869       \textstyle
1870       \varepsilon_{%
1871         \kern-0.15em%
1872         \HoLogoFont@font{ExTeX}{sy}{X}%
1873       }%
1874       $%
1875     }%
1876     \HOLOGO@discretionary
1877     \kern-.15em%
1878     \hologo{TeX}%
1879   }%
1880 }

\HoLogo@tag@ExTeX
1881 \def\HoLogo@tag@ExTeX#1{#1{e}{E}xTeX}

```



\HoLogoHtml@ExTeX

```

1882 \def\HoLogoHtml@ExTeX#1{%
1883   \HoLogoCss@ExTeX
1884   \HoLogoFont@font{ExTeX}{rm}{%
1885     \HOLOGO@Span{ExTeX}{%
1886       \ltx@mbox{%
1887         \HOLOGO@MathSetup
1888         $\textstyle\varepsilon$%
1889         \HOLOGO@Span{X}{$\textstyle\chi$}%
1890         \holo{TeX}%
1891       }%
1892     }%
1893   }%
1894 }

```

\HoLogoBkm@ExTeX

```

1895 \def\HoLogoBkm@ExTeX#1{%
1896   \HOLOGO@PdfdocUnicode{#1{e}{E}x}{\83\265\83\247}%\textepsilon\textchi
1897   \holo{TeX}%
1898 }

```

\HoLogoCss@ExTeX

```

1899 \def\HoLogoCss@ExTeX{%
1900   \Css{%
1901     span.HoLogo-ExTeX{%
1902       font-family:serif;%
1903     }%
1904   }%
1905   \Css{%
1906     span.HoLogo-ExTeX span.HoLogo-TeX{%
1907       margin-left:-.15em;%
1908     }%
1909   }%
1910   \global\let\HoLogoCss@ExTeX\relax
1911 }

```

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

\HoLogo@TeXLive

```

1912 \def\HoLogo@TeXLive#1{%
1913   \holo{TeX}%
1914   \HOLOGO@space
1915   \HOLOGO@mbox{Live}%
1916 }

```

\HoLogo@tag@TeXLive

```

1917 \def\HoLogo@tag@TeXLive#1{TeX Live}

```

\HoLogoHtml@TeXLive

```

1918 \let\HoLogoHtml@TeXLive\HoLogo@TeXLive

```

## 2.10.27 MiK<sub>T</sub>E<sub>X</sub>

\HoLogo@MiKTeX

```

1919 \def\HoLogo@MiKTeX#1{%
1920   \HOLOGO@mbox{MiK}%
1921   \HOLOGO@discretionary
1922   \holo{TeX}%
1923 }

```

\HoLogoHtml@MiKTeX

```

1924 \let\HoLogoHtml@MiKTeX\HoLogo@MiKTeX

```

## 2.10.28 Oz<sub>T</sub><sub>E</sub>X and friends

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

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

\HoLogo@OzTeX

```
1925 \def\HoLogo@OzTeX#1{%
1926   0%
1927   \kern-.03em %
1928   z%
1929   \kern-.15em %
1930   \hologo{TeX}%
1931 }
```

\HoLogoHtml@OzTeX

```
1932 \def\HoLogoHtml@OzTeX#1{%
1933   \HoLogoCss@OzTeX
1934   \HOLOGO@Span{OzTeX}{%
1935     0%
1936     \HOLOGO@Span{z}{z}%
1937     \hologo{TeX}%
1938   }%
1939 }
```

\HoLogoCss@OzTeX

```
1940 \def\HoLogoCss@OzTeX{%
1941   \Css{%
1942     span.HoLogo-OzTeX span.HoLogo-z{%
1943       margin-left:-.03em;%
1944       margin-right:-.15em;%
1945     }%
1946   }%
1947   \global\let\HoLogoCss@OzTeX\relax
1948 }
```

\HoLogo@OzMF

```
1949 \def\HoLogo@OzMF#1{%
1950   \HOLOGO@mbbox{OzMF}%
1951 }
```

\HoLogo@OzMP

```
1952 \def\HoLogo@OzMP#1{%
1953   \HOLOGO@mbbox{OzMP}%
1954 }
```

\HoLogo@OzTtH

```
1955 \def\HoLogo@OzTtH#1{%
1956   \HOLOGO@mbbox{OzTtH}%
1957 }
```

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

\HoLogo@PCTeX

```
1958 \def\HoLogo@PCTeX#1{%
1959   \HOLOGO@mbbox{PC}%
1960   \hologo{TeX}%
1961 }
```

\HoLogoHtml@PCTeX

```
1962 \let\HoLogoHtml@PCTeX\HoLogo@PCTeX
```

### 2.10.30 PICTEX

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
1963 \def\HoLogo@PiC#1{%
1964   P%
1965   \kern-.12em%
1966   \lower.5ex\hbox{I}%
1967   \kern-.075em%
1968   C%
1969   \HOLOGO@SpaceFactor
1970 }

\HoLogoHtml@PiC
1971 \def\HoLogoHtml@PiC#1{%
1972   \HoLogoCss@PiC
1973   \HOLOGO@Span{PiC}{%
1974     P%
1975     \HOLOGO@Span{i}{I}%
1976     C%
1977   }%
1978 }

\HoLogoCss@PiC
1979 \def\HoLogoCss@PiC{%
1980   \Css{%
1981     span.HoLogo-PiC span.HoLogo-i{%
1982       position:relative;%
1983       top:.5ex;%
1984       margin-left:-.12em;%
1985       margin-right:-.075em;%
1986       text-decoration:none;%
1987     }%
1988   }%
1989   \global\let\HoLogoCss@PiC\relax
1990 }

\HoLogo@PiCTeX
1991 \def\HoLogo@PiCTeX#1{%
1992   \hologo{PiC}%
1993   \HOLOGO@discretionary
1994   \kern-.11em%
1995   \hologo{TeX}%
1996 }

\HoLogoHtml@PiCTeX
1997 \def\HoLogoHtml@PiCTeX#1{%
1998   \HoLogoCss@PiCTeX
1999   \HOLOGO@Span{PiCTeX}{%
```

```

2000     \hologo{PiC}%
2001     \hologo{TeX}%
2002 }%
2003 }

```

`\HoLogoCss@PiCTeX`

```

2004 \def\HoLogoCss@PiCTeX{%
2005   \Css{%
2006     span.HoLogo-PiCTeX span.HoLogo-PiC{%
2007       margin-right:-.11em;%
2008     }%
2009   }%
2010   \global\let\HoLogoCss@PiCTeX\relax
2011 }

```

### 2.10.31 `teTeX`

`\HoLogo@teTeX`

```

2012 \def\HoLogo@teTeX#1{%
2013   \HOLOGO@mbbox{#1{t}{T}e}%
2014   \HOLOGO@discretionary
2015   \hologo{TeX}%
2016 }

```

`\HoLogoCs@teTeX`

```

2017 \def\HoLogoCs@teTeX#1{#1{t}{T}dfTeX}

```

`\HoLogoBkm@teTeX`

```

2018 \def\HoLogoBkm@teTeX#1{%
2019   #1{t}{T}e\hologo{TeX}%
2020 }

```

`\HoLogoHtml@teTeX`

```

2021 \let\HoLogoHtml@teTeX\HoLogo@teTeX

```

### 2.10.32 `TeX4ht`

`\HoLogo@TeX4ht`

```

2022 \expandafter\def\csname HoLogo@TeX4ht\endcsname#1{%
2023   \HOLOGO@mbbox{\hologo{TeX}4ht}%
2024 }

```

`\HoLogoHtml@TeX4ht`

```

2025 \expandafter
2026 \let\csname HoLogoHtml@TeX4ht\endcsname\expandafter\endcsname
2027 \csname HoLogo@TeX4ht\endcsname

```

### 2.10.33 `SageTeX`

`\HoLogo@SageTeX`

```

2028 \def\HoLogo@SageTeX#1{%
2029   \HOLOGO@mbbox{Sage}%
2030   \HOLOGO@discretionary
2031   \HOLOGO@NegativeKerning{eT,oT,To}%
2032   \hologo{TeX}%
2033 }

```

`\HoLogoHtml@SageTeX`

```

2034 \let\HoLogoHtml@SageTeX\HoLogo@SageTeX

```

## 2.11 METAFONT and friends

\HoLogo@METAFONT

```
2035 \def\HoLogo@METAFONT#1{%
2036   \HoLogoFont@font{METAFONT}{logo}{%
2037     \HOLOGO@mbox{META}%
2038     \HOLOGO@discretionary
2039     \HOLOGO@mbox{FONT}%
2040   }%
2041 }
```

\HoLogo@METAPOST

```
2042 \def\HoLogo@METAPOST#1{%
2043   \HoLogoFont@font{METAPOST}{logo}{%
2044     \HOLOGO@mbox{META}%
2045     \HOLOGO@discretionary
2046     \HOLOGO@mbox{POST}%
2047   }%
2048 }
```

\HoLogo@MetaFun

```
2049 \def\HoLogo@MetaFun#1{%
2050   \HOLOGO@mbox{Meta}%
2051   \HOLOGO@discretionary
2052   \HOLOGO@mbox{Fun}%
2053 }
```

\HoLogo@MetaPost

```
2054 \def\HoLogo@MetaPost#1{%
2055   \HOLOGO@mbox{Meta}%
2056   \HOLOGO@discretionary
2057   \HOLOGO@mbox{Post}%
2058 }
```

## 2.12 Others

### 2.12.1 biber

\HoLogo@biber

```
2059 \def\HoLogo@biber#1{%
2060   \HOLOGO@mbox{#1{b}{B}iber}%
2061   \HOLOGO@discretionary
2062   \HOLOGO@mbox{ber}%
2063 }
```

\HoLogo@tag@biber

```
2064 \def\HoLogo@tag@biber#1{#1{b}{B}iber}
```

\HoLogoCs@biber

```
2065 \def\HoLogoCs@biber#1{#1{b}{B}iber}
```

\HoLogoBkm@biber

```
2066 \def\HoLogoBkm@biber#1{%
2067   #1{b}{B}iber%
2068 }
```

\HoLogoHtml@biber

```
2069 \let\HoLogoHtml@biber\HoLogo@biber
```

### 2.12.2 DVIPDFMx

\HoLogo@DVIPDFMx

```
2070 \def\HoLogo@DVIPDFMx#1{\HOLOGO@mbox{DVIPDFMx}}
```

\HoLogoCs@DVIPDFMx

```
2071 \let\HoLogoCs@DVIPDFMx\HoLogo@DVIPDFMx
```

\HoLogoBkm@DVIPDFMx

```
2072 \def\HoLogoBkm@DVIPDFMx#1{DVIPDFMx}
```

\HoLogoHtml@DVIPDFMx

```
2073 \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%
}%
}%
}%
}
```

```
2074 \def\HoLogo@KOMAScript#1{%
2075 \HoLogoFont@font{KOMAScript}{sf}{%
2076 \HOLOGO@mbox{%
2077 K\kern.05em%
2078 O\kern.05em%
2079 M\kern.05em%
2080 A%
2081 }%
2082 \kern.1em%
2083 \HOLOGO@hyphen
2084 \kern.1em%
2085 \HOLOGO@mbox{Script}%
2086 }%
2087 }
```

\HoLogoBkm@KOMAScript

```
2088 \def\HoLogoBkm@KOMAScript#1{%
2089 KOMA-Script%
2090 }
```

\HoLogoHtml@KOMAScript

```
2091 \def\HoLogoHtml@KOMAScript#1{%
2092 \HoLogoCss@KOMAScript
2093 \HoLogoFont@font{KOMAScript}{sf}{%
2094 \HOLOGO@Span{KOMAScript}{%
2095 K%
2096 \HOLOGO@Span{0}{0}%
2097 M%
2098 \HOLOGO@Span{A}{A}%
2099 \HOLOGO@Span{hyphen}{-}%
2100 Script%
2101 }%
2102 }%
2103 }
```

\HoLogoCss@KOMAScript

```

2104 \def\HoLogoCss@KOMAScript{%
2105   \Css{%
2106     span.HoLogo-KOMAScript{%
2107       font-family:sans-serif;%
2108     }%
2109   }%
2110   \Css{%
2111     span.HoLogo-KOMAScript span.HoLogo-0{%
2112       padding-left:.05em;%
2113       padding-right:.05em;%
2114     }%
2115   }%
2116   \Css{%
2117     span.HoLogo-KOMAScript span.HoLogo-A{%
2118       padding-left:.05em;%
2119     }%
2120   }%
2121   \Css{%
2122     span.HoLogo-KOMAScript span.HoLogo-hyphen{%
2123       padding-left:.1em;%
2124       padding-right:.1em;%
2125     }%
2126   }%
2127   \global\let\HoLogoCss@KOMAScript\relax
2128 }

```

#### 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%
  }%
}

2129 \def\HoLogo@LyX#1{%
2130   L%
2131   \kern-.1667em%
2132   \lower.25em\hbox{Y}%
2133   \kern-.125em%
2134   X%
2135   \HOLOGO@SpaceFactor
2136 }

```

\HoLogoHtml@LyX

```

2137 \def\HoLogoHtml@LyX#1{%
2138   \HoLogoCss@LyX
2139   \HOLOGO@Span{LyX}{%
2140     L%
2141     \HOLOGO@Span{y}{Y}%
2142     X%
2143   }%
2144 }

```

\HoLogoCss@LyX

```

2145 \def\HoLogoCss@LyX{%
2146   \Css{%
2147     span.HoLogo-LyX span.HoLogo-y{%
2148       position:relative;%

```

```

2149     top:.25em;%
2150     margin-left:-.1667em;%
2151     margin-right:-.125em;%
2152     text-decoration:none;%
2153 }%
2154 }%
2155 \global\let\HoLogoCss@LyX\relax
2156 }

```

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

\HoLogo@NTS Definition for  $\mathcal{N}\mathcal{S}$  can be found in package etex.man for the  $\varepsilon$ -T<sub>E</sub>X 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%
    $%
  }%
}

2157 \def\HoLogo@NTS#1{%
2158   \HoLogoFont@font{NTS}{sy}{%
2159     N\/%
2160     \kern-.35em%
2161     \lower.5ex\hbox{T\/%}
2162     \kern-.2em%
2163     S\/%
2164   }%
2165   \HOLOGO@SpaceFactor
2166 }

```

### 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>T</sub>H

\HoLogo@TTH

```

2167 \def\HoLogo@TTH#1{%
2168   \ltx@mbox{%
2169     T\HOLOGO@SubScript{T}H%
2170   }%
2171   \HOLOGO@SpaceFactor
2172 }

```

\HoLogoHtml@TTH

```

2173 \def\HoLogoHtml@TTH#1{%
2174   T\HCode{<sub>}T\HCode{</sub>}H%
2175 }

```

### 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

```
2176 \def\HoLogo@HanTheThanh#1{%
2177   \ltx@mbox{H\‘an}%
2178   \HOLOGO@space
2179   \ltx@mbox{%
2180     Th%
2181     \HOLOGO@IfCharExists{"1EBF}{%
2182       \char"1EBF\relax
2183     }{%
2184       \e\hbox to 0pt{\hss\raise .5ex\hbox{\‘{}}}%
2185     }%
2186   }%
2187   \HOLOGO@space
2188   \ltx@mbox{Th\‘anh}%
2189 }
```

\HoLogo@tag@HanTheThanh

```
2190 \def\HoLogo@tag@HanTheThanh#1{Hàn Thế Thành}
```

\HoLogoBkm@HanTheThanh

```
2191 \def\HoLogoBkm@HanTheThanh#1{%
2192   H\‘an %
2193   Th\HOLOGO@PdfdocUnicode{\e}{\9036\277} %
2194   Th\‘anh%
2195 }
```

\HoLogoHtml@HanTheThanh

```
2196 \def\HoLogoHtml@HanTheThanh#1{%
2197   H\‘an %
2198   Th\HCode{&\ltx@hashchar x1ebf;} %
2199   Th\‘anh%
2200 }
```

## 2.13 Driver detection

```
2201 \HOLOGO@IfExists\InputIfFileExists{%
2202   \InputIfFileExists{hologo.cfg}{-}{-}%
2203 }{%
2204   \ltx@ifundefined{pdf@filesize}{%
2205     \def\HOLOGO@InputIfExists{%
2206       \openin\HOLOGO@temp=hologo.cfg\relax
2207       \ifeof\HOLOGO@temp
2208         \closein\HOLOGO@temp
2209       \else
2210         \closein\HOLOGO@temp
2211         \begingroup
2212         \def\x{LaTeX2e}%
2213         \expandafter\endgroup
2214         \ifx\fmtname\x
2215           \input{hologo.cfg}%
2216         \else
2217           \input hologo.cfg\relax
2218         \fi
2219       \fi
2220     }%
2221   \ltx@ifundefined{newread}{%
2222     \chardef\HOLOGO@temp=15 %
2223     \def\HOLOGO@CheckRead{%
2224       \ifeof\HOLOGO@temp
2225         \HOLOGO@InputIfExists
2226       \else
2227         \ifcase\HOLOGO@temp
```

```

2228         \@PackageWarningNoLine{hologo}{%
2229             Configuration file ignored, because\MessageBreak
2230             a free read register could not be found%
2231         }%
2232     \else
2233         \begingroup
2234             \count\ltx@cclv=\HOLOGO@temp
2235             \advance\ltx@cclv by \ltx@minusone
2236             \edef\x{\endgroup
2237                 \chardef\noexpand\HOLOGO@temp=\the\count\ltx@cclv
2238                 \relax
2239             }%
2240         \x
2241     \fi
2242 \fi
2243 }%
2244 }{%
2245     \csname newread\endcsname\HOLOGO@temp
2246     \HOLOGO@InputIfExists
2247 }%
2248 }{%
2249     \edef\HOLOGO@temp{\pdf@filesize{hologo.cfg}}%
2250     \ifx\HOLOGO@temp\ltx@empty
2251     \else
2252         \ifnum\HOLOGO@temp>0 %
2253             \begingroup
2254                 \def\x{LaTeX2e}%
2255                 \expandafter\endgroup
2256                 \ifx\fmtname\x
2257                     \input{hologo.cfg}%
2258                 \else
2259                     \input hologo.cfg\relax
2260                 \fi
2261             \else
2262                 \@PackageInfoNoLine{hologo}{%
2263                     Empty configuration file 'hologo.cfg' ignored%
2264                 }%
2265             \fi
2266         \fi
2267     }%
2268 }

2269 \def\HOLOGO@temp#1#2{%
2270     \kv@define@key{HoLogoDriver}{#1}[]{%
2271         \begingroup
2272             \def\HOLOGO@temp{##1}%
2273             \ltx@onelevel@sanitize\HOLOGO@temp
2274             \ifx\HOLOGO@temp\ltx@empty
2275             \else
2276                 \@PackageError{hologo}{%
2277                     Value (\HOLOGO@temp) not permitted for option '#1'%
2278                 }%
2279                 \@ehc
2280             \fi
2281         \endgroup
2282     \def\hologoDriver{#2}%
2283 }%
2284 }%
2285 \def\HOLOGO@temp#1#2{%
2286     \ifx\kv@value\relax
2287         \HOLOGO@temp{#1}{#1}%
2288     \else
2289         \HOLOGO@temp{#1}{#2}%

```

```

2290 \fi
2291 }%
2292 \kv@parse@normalized{%
2293 pdftex,%
2294 luatex=pdftex,%
2295 dvipdfm,%
2296 dvipdfmx=dvipdfm,%
2297 dvips,%
2298 dvipsone=dvips,%
2299 xdvi=dvips,%
2300 xetex,%
2301 vtex,%
2302 }\HOLOGO@temp

2303 \kv@define@key{HoLogoDriver}{driverfallback}{%
2304 \def\HOLOGO@DriverFallback{#1}%
2305 }

\HOLOGO@DriverFallback

2306 \def\HOLOGO@DriverFallback{dvips}

\hologoDriverSetup

2307 \def\hologoDriverSetup{%
2308 \let\hologoDriver\ltx@undefined
2309 \HOLOGO@DriverSetup
2310 }

\HOLOGO@DriverSetup

2311 \def\HOLOGO@DriverSetup#1{%
2312 \kvsetkeys{HoLogoDriver}{#1}%
2313 \HOLOGO@CheckDriver
2314 \ltx@ifundefined{hologoDriver}{%
2315 \begingroup
2316 \edef\x{\endgroup
2317 \noexpand\kvsetkeys{HoLogoDriver}{\HOLOGO@DriverFallback}%
2318 }\x
2319 }{}%
2320 \@PackageInfoNoLine{hologo}{Using driver ‘\hologoDriver’}%
2321 }

\HOLOGO@CheckDriver

2322 \def\HOLOGO@CheckDriver{%
2323 \ifpdf
2324 \def\hologoDriver{pdftex}%
2325 \let\HOLOGO@pdfliteral\pdfliteral
2326 \ifluatex
2327 \ifx\pdfextension\@undefined\else
2328 \protected\def\pdfliteral{\pdfextension literal}%
2329 \let\HOLOGO@pdfliteral\pdfliteral
2330 \fi
2331 \ltx@ifundefined{HOLOGO@pdfliteral}{%
2332 \ifnum\luatexversion<36 %
2333 \else
2334 \begingroup
2335 \let\HOLOGO@temp\endgroup
2336 \ifcase0%
2337 \directlua{%
2338 if tex.enableprimitives then %
2339 tex.enableprimitives('HOLOGO@', {'pdfliteral'})%
2340 else %
2341 tex.print('1')%
2342 end%
2343 }%

```

```

2344         \ifx\HOLOGO@pdfliteral\@undefined 1\fi%
2345         \relax%
2346     \endgroup
2347     \let\HOLOGO@temp\relax
2348     \global\let\HOLOGO@pdfliteral\HOLOGO@pdfliteral
2349     \fi%
2350     \HOLOGO@temp
2351     \fi
2352     }{}%
2353 \fi
2354 \ltx@ifundefined{HOLOGO@pdfliteral}{%
2355     \@PackageWarningNoLine{hologo}{%
2356         Cannot find \string\pdfliteral
2357     }%
2358 }{}%
2359 \else
2360     \ifxetex
2361         \def\hologoDriver{xetex}%
2362     \else
2363         \ifvtex
2364             \def\hologoDriver{vtex}%
2365         \fi
2366     \fi
2367 \fi
2368 }

```

HOLOGO@WarningUnsupportedDriver

```

2369 \def\HOLOGO@WarningUnsupportedDriver#1{%
2370     \@PackageWarningNoLine{hologo}{%
2371         Logo ‘#1’ needs driver specific macros,\MessageBreak
2372         but driver ‘\hologoDriver’ is not supported.\MessageBreak
2373         Use a different driver or\MessageBreak
2374         load package ‘graphics’ or ‘pgf’%
2375     }%
2376 }

```

### 2.13.1 Reflect box macros

Skip driver part if not needed.

```

2377 \ltx@ifundefined{reflectbox}{}{}%
2378 \ltx@ifundefined{rotatebox}{}{}%
2379     \HOLOGO@AtEnd
2380 }%
2381 }
2382 \ltx@ifundefined{pgftext}{}{}%
2383     \HOLOGO@AtEnd
2384 }
2385 \ltx@ifundefined{psscalebox}{}{}%
2386     \HOLOGO@AtEnd
2387 }
2388 \def\HOLOGO@temp{LaTeX2e}
2389 \ifx\fmtname\HOLOGO@temp
2390     \RequirePackage{kvoptions}[2011/06/30]%
2391     \ProcessKeyvalOptions{HoLogoDriver}%
2392 \fi
2393 \HOLOGO@DriverSetup{}

```

\HOLOGO@ReflectBox

```

2394 \def\HOLOGO@ReflectBox#1{%
2395     \begingroup
2396         \setbox\ltx@zero\hbox{\begingroup#1\endgroup}%
2397         \setbox\ltx@two\hbox{%

```

```

2398     \kern\wd\ltx@zero
2399     \csname HOLOGO@ScaleBox@\hologoDriver\endcsname{-1}{1}{%
2400     \hbox to 0pt{\copy\ltx@zero\hss}%
2401     }%
2402   }%
2403   \wd\ltx@two=\wd\ltx@zero
2404   \ht\ltx@two=\ht\ltx@zero
2405   \dp\ltx@two=\dp\ltx@zero
2406   \box\ltx@two
2407 \endgroup
2408 }

```

\HOLOGO@PointReflectBox

```

2409 \def\HOLOGO@PointReflectBox#1{%
2410   \begingroup
2411   \setbox\ltx@zero\hbox{\begingroup#1\endgroup}%
2412   \setbox\ltx@two\hbox{%
2413     \kern\wd\ltx@zero
2414     \raise\ht\ltx@zero\hbox{%
2415       \csname HOLOGO@ScaleBox@\hologoDriver\endcsname{-1}{-1}{%
2416       \hbox to 0pt{\copy\ltx@zero\hss}%
2417       }%
2418     }%
2419   }%
2420   \wd\ltx@two=\wd\ltx@zero
2421   \ht\ltx@two=\ht\ltx@zero
2422   \dp\ltx@two=\dp\ltx@zero
2423   \box\ltx@two
2424 \endgroup
2425 }

```

We must define all variants because of dynamic driver setup.

```

2426 \def\HOLOGO@temp#1#2{#2}

```

\HOLOGO@ScaleBox@pdftex

```

2427 \HOLOGO@temp{pdftex}{%
2428   \def\HOLOGO@ScaleBox@pdftex#1#2#3{%
2429     \HOLOGO@pdfliteral{%
2430       q #1 0 0 #2 0 0 cm%
2431     }%
2432     #3%
2433     \HOLOGO@pdfliteral{%
2434       Q%
2435     }%
2436   }%
2437 }

```

\HOLOGO@ScaleBox@dvips

```

2438 \HOLOGO@temp{dvips}{%
2439   \def\HOLOGO@ScaleBox@dvips#1#2#3{%
2440     \special{ps:%
2441       gsave %
2442       currentpoint %
2443       currentpoint translate %
2444       #1 #2 scale %
2445       neg exch neg exch translate%
2446     }%
2447     #3%
2448     \special{ps:%
2449       currentpoint %
2450       grestore %
2451       moveto%

```

```

2452 }%
2453 }%
2454 }

```

`\Hologo@ScaleBox@dvi`

```

2455 \Hologo@temp{dvi}{%
2456 \let\Hologo@ScaleBox@dvi\Hologo@ScaleBox@dvi
2457 }

```

Since X<sub>Y</sub>TeX v0.6.

`\Hologo@ScaleBox@xetex`

```

2458 \Hologo@temp{xetex}{%
2459 \def\Hologo@ScaleBox@xetex#1#2#3{%
2460 \special{x:gsave}%
2461 \special{x:scale #1 #2}%
2462 #3%
2463 \special{x:grestore}%
2464 }%
2465 }

```

`\Hologo@ScaleBox@vtex`

```

2466 \Hologo@temp{vtex}{%
2467 \def\Hologo@ScaleBox@vtex#1#2#3{%
2468 \special{r(#1,0,0,#2,0,0)%
2469 #3%
2470 \special{r}}%
2471 }%
2472 }

2473 \Hologo@AtEnd%
2474 \</package>

```

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

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[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)

## 6 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; plain numbers refer to the code lines where the entry is used.

Symbols	C
<code>\\$</code> .. 1097, 1100, 1108, 1203, 1206, 1214	<code>\catcode</code> 124, 125, 127, 128, 129, 130, 131, 132, 133, 134, 135, 155, 156, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 191, 192, 194, 195, 196, 200, 201, 202, 203, 204, 205, 206, 209, 210, 212, 213, 214, 215, 219, 221, 1097, 1098, 1100, 1101, 1108, 1109, 1203, 1204, 1206, 1207, 1214, 1215
<code>\%</code> ..... 1032, 1076	<code>\char</code> ..... 1407, 1460, 2182
<code>\&amp;</code> .. 1098, 1101, 1109, 1204, 1207, 1215	<code>\chardef</code> ..... 383, 388, 390, 397, 399, 416, 417, 418, 420, 423, 426, 475, 477, 481, 492, 494, 498, 510, 512, 516, 526, 528, 1462, 1469, 1472, 1475, 1478, 1514, 1517, 1520, 1523, 2222, 2237
<code>\'</code> ..... 2184	<code>\check@mathfonts</code> ..... 1000
<code>\-</code> ..... 521	<code>\chi</code> ..... 1889
<code>\/</code> ..... 2159, 2161, 2163	<code>\closein</code> ..... 2208, 2210
<code>\@PackageError</code> ..... 371, 404, 442, 454, 637, 660, 667, 768, 791, 1506, 1548, 2276	<code>\comma@entry</code> ..... 847
<code>\@PackageInfoNoLine</code> ..... 2262, 2320	<code>\comma@parse@normalized</code> ..... 845
<code>\@PackageWarning</code> ..... 541	<code>\copy</code> ..... 2400, 2416
<code>\@PackageWarningNoLine</code> ..... 2228, 2355, 2370	<code>\count</code> ..... 2234, 2237
<code>\@ehc</code> ..... 373, 407, 446, 456, 639, 663, 670, 770, 793, 1506, 1548, 2279	<code>\csname</code> ..... 136, 143, 172, 188, 198, 349, 383, 388, 390, 397, 399, 421, 422, 424, 425, 427, 429, 451, 459, 469, 478, 482, 495, 499, 513, 517, 529, 546, 549, 554, 557, 584, 678, 688, 699, 709, 723, 733, 748, 758, 775, 782, 798, 805, 834, 837, 916, 998, 1049, 1051, 1063, 1142, 1143, 1145, 1147, 1149, 1150, 1154, 1159, 1160, 1409, 1411, 1805, 1809, 1814, 1815,
<code>\@nil</code> ..... 836	
<code>\@undefined</code> .. 180, 354, 451, 2327, 2344	
<code>\</code> . 33, 48, 50, 51, 52, 53, 54, 61, 72, 79	
<code>\_</code> ..... 52, 53, 54	
<code>\^</code> ..... 1096, 1202, 1445, 2184, 2193	
<code>\'</code> .. 2177, 2188, 2192, 2194, 2197, 2199	
Numbers	
<code>\2</code> ..... 1113, 1217, 1896, 2193	
<code>\8</code> ..... 1113, 1217, 1896	
<code>\9</code> ..... 2193	
A	
<code>\advance</code> ..... 860, 1487, 1500, 2235	
<code>\aftergroup</code> .... 151, 1409, 1411, 1414	
<code>\AssignTaggingSocketPlug</code> ..... 910	
B	
<code>\begin</code> ..... 40, 41, 47, 107	
<code>\bfseries</code> ..... 47	
<code>\bookmark</code> ..... 69, 76	
<code>\box</code> ..... 1488, 1501, 2406, 2423	

	2022, 2026, 2027, 2245, 2399, 2415	673, 717, 956, 960, 963, 966, 970, 973, 976, 980, 983, 1011, 1013, 1022, 1040, 1044, 1059, 1087, 1111, 1118, 1151, 1155, 1163, 1199, 1219, 1226, 1231, 1237, 1242, 1248, 1260, 1271, 1298, 1316, 1327, 1366, 1373, 1573, 1575, 1580, 1581, 1593, 1595, 1600, 1601, 1615, 1617, 1622, 1624, 1629, 1631, 1636, 1638, 1643, 1645, 1650, 1652, 1656, 1662, 1667, 1673, 1678, 1715, 1717, 1723, 1725, 1739, 1747, 1776, 1786, 1806, 1810, 1819, 1826, 1833, 1856, 1861, 1878, 1890, 1897, 1913, 1922, 1930, 1937, 1960, 1992, 1995, 2000, 2001, 2015, 2019, 2023, 2032
<code>\Css</code>	940, 948, 1026, 1065, 1070, 1079, 1127, 1132, 1276, 1282, 1332, 1339, 1563, 1585, 1605, 1703, 1751, 1758, 1790, 1796, 1838, 1843, 1900, 1905, 1941, 1980, 2005, 2105, 2110, 2116, 2121, 2146	
<b>D</b>		
<code>\DeclareRobustCommand</code>	613	<code>\HoLogo@{(La)TeX}</code> 1048
<code>\dimendef</code>	841	<code>\HOLOGO@{IfCharExists}</code>
<code>\directlua</code>	1382, 2337	1403, 1438, 1446, 1452
<code>\documentclass</code>	4	<code>\HOLOGO@{NegativeKerning}</code> 847, 856
<code>\dp</code>	1486, 1499, 2405, 2422	<code>\HOLOGO@{temp}</code> 2285, 2302
<b>E</b>		
<code>\empty</code>	139, 140	<code>\HoLogo@{AmS}</code> 1682
<code>\end</code>	55, 116, 119, 120	<code>\HoLogo@{AmSLaTeX}</code> 1722, 1728
<code>\endcsname</code>	136, 143, 172, 188, 198, 328, 337, 349, 383, 388, 391, 397, 400, 421, 422, 424, 425, 428, 429, 451, 459, 469, 478, 482, 495, 499, 513, 517, 529, 546, 549, 554, 557, 584, 678, 688, 699, 709, 723, 733, 748, 758, 775, 782, 798, 805, 834, 837, 898, 914, 916, 998, 1049, 1051, 1063, 1142, 1143, 1145, 1147, 1149, 1150, 1154, 1159, 1160, 1409, 1411, 1805, 1809, 1814, 1815, 2022, 2026, 2027, 2245, 2399, 2415	<code>\HoLogo@{AmSTeX}</code> 1714, 1721 <code>\HoLogo@{ApLaTeX}</code> 1647, 1653 <code>\HoLogo@{ApTeX}</code> 1640, 1646 <code>\HOLOGO@{AtEnd}</code> 217, 218, 248, 249, 664, 671, 2379, 2383, 2386, 2473
<code>\endhead</code>	114	<code>\HoLogo@{biber}</code> 2059, 2069
<code>\endinput</code>	151, 251	<code>\HoLogo@{BibTeX}</code> 1803
<code>\endlinechar</code>	126, 157, 193, 199, 211	<code>\HoLogo@{BibTeX8}</code> 1805
<code>\endpgfpicture</code>	1494, 1537	<code>\HoLogo@{BibTeX@sc}</code> 1729
<code>\ensuremath</code>	1122	<code>\HoLogo@{BibTeX@sf}</code> 1766, 1803
<code>\escapechar</code>	250, 253	<code>\HOLOGO@{break}</code> 414, 435
<code>\extrarowheight</code>	13	<code>\HOLOGO@{CheckDriver}</code> 2313, 2322
<b>F</b>		
<code>\f@series</code>	835, 836	<code>\HOLOGO@{CheckRead}</code> 2223
<code>\f@size</code>	584	<code>\HOLOGO@{choice}</code>
<code>\fmtname</code>	611, 2214, 2256, 2389	1462, 1469, 1472, 1475, 1478, 1480, 1514, 1517, 1520, 1523, 1525
<code>\font</code>	578, 592, 626, 1426, 1463	<code>\HoLogo@{ConTeXt}</code> 1851
<code>\fontdimen</code>	1463	<code>\HoLogo@{ConTeXt@narrow}</code> 1822, 1851
<code>\fontencoding</code>	615	<code>\HoLogo@{ConTeXt@simple}</code> 1816, 1821
<code>\fontfamily</code>	92, 96, 103, 616	<code>\HOLOGO@{DeclareBoolOption}</code>
<code>\fontsize</code>	585, 881, 1001	382, 436, 437, 438, 439
<b>H</b>		
<code>\hbox</code>	857, 859, 927, 994, 996, 1089, 1167, 1257, 1406, 1460, 1485, 1491, 1498, 1504, 1529, 1533, 1540, 1544, 1686, 1966, 2132, 2161, 2184, 2396, 2397, 2400, 2411, 2412, 2414, 2416	<code>\HOLOGO@{discretionary}</code>
<code>\HCode</code>	866, 868, 1188, 1190, 1558, 2174, 2198	507, 1258, 1297, 1314, 1614, 1621, 1628, 1635, 1642, 1649, 1737, 1774, 1818, 1824, 1855, 1876, 1921, 1993, 2014, 2030, 2038, 2045, 2051, 2056, 2061
<code>\hline</code>	49, 113	<code>\HOLOGO@{DriverFallback}</code>
<code>\HoLogo</code>	4, 72, 79, 86, 109, 694, 742	2304, 2306, 2317
<code>\hologo</code>	3, 72, 79, 89, 93, 97, 100, 104, 659, 661,	<code>\HOLOGO@{DriverSetup}</code> 2309, 2311, 2393
		<code>\HoLogo@{DVIPDFMx}</code> 2070, 2071, 2073
		<code>\HoLogo@{emTeX}</code> 1853, 1863
		<code>\HoLogo@{eTeX}</code> 1193
		<code>\HoLogo@{ExTeX}</code> 1864
		<code>\HOLOGO@{false}</code> 395, 434
		<code>\HOLOGO@{FontSetup}</code> 632, 642, 645
		<code>\HoLogo@{HanTheThanh}</code> 2176

<code>\HOLGO@hyphen</code> .....	<code>\HoLogo@plainTeX</code> .....
..... <a href="#">489</a> , <a href="#">966</a> , <a href="#">1716</a> , <a href="#">1724</a> , <a href="#">2083</a>	..... <a href="#">985</a>
<code>\HOLGO@ifCharExists</code> <a href="#">1377</a> , <a href="#">1459</a> , <a href="#">2181</a>	<code>\HoLogo@plainTeX@hyphen</code> .....
<code>\HOLGO@ifDefined</code> .....	..... <a href="#">965</a>
..... <a href="#">353</a> , <a href="#">659</a> ,	<code>\HoLogo@plainTeX@runtogether</code> ...
<a href="#">666</a> , <a href="#">681</a> , <a href="#">702</a> , <a href="#">726</a> , <a href="#">751</a> , <a href="#">835</a> , <a href="#">2201</a>	..... <a href="#">975</a>
<code>\HoLogo@iniTeX</code> .....	<code>\HoLogo@plainTeX@space</code> ....
..... <a href="#">1229</a> , <a href="#">1239</a>	..... <a href="#">955</a> , <a href="#">985</a>
<code>\HOLGO@InputIfExists</code> <a href="#">2205</a> , <a href="#">2225</a> , <a href="#">2246</a>	<code>\HoLogo@pLaTeX</code> .....
<code>\HoLogo@KOMAScript</code> .....	..... <a href="#">1619</a> , <a href="#">1625</a>
..... <a href="#">2074</a>	<code>\HOLGO@PointReflectBox</code> .....
<code>\HoLogo@La</code> .....	..... <a href="#">1503</a> , <a href="#">1504</a> , <a href="#">2409</a>
..... <a href="#">990</a>	<code>\HoLogo@pTeX</code> .....
<code>\HoLogo@LaTeX</code> .....	..... <a href="#">1612</a> , <a href="#">1618</a>
..... <a href="#">1010</a>	<code>\HOLGO@ReflectBox</code> .....
<code>\HoLogo@LaTeX2e</code> .....	..... <a href="#">1545</a> , <a href="#">2394</a>
..... <a href="#">1141</a>	<code>\HOLGO@Reflectbox</code> .....
<code>\HoLogo@LaTeX3</code> .....	..... <a href="#">1543</a>
..... <a href="#">1150</a>	<code>\HoLogo@SageTeX</code> .....
<code>\HoLogo@LaTeXe</code> .....	..... <a href="#">2028</a> , <a href="#">2034</a>
..... <a href="#">1086</a> , <a href="#">1142</a>	<code>\HOLGO@ScaleBox@dviPDFm</code> .....
<code>\HoLogo@LaTeXML</code> .....	..... <a href="#">2455</a>
..... <a href="#">1161</a>	<code>\HOLGO@ScaleBox@dviPS</code> ..
<code>\HoLogo@LaTeXTeX</code> .....	..... <a href="#">2438</a> , <a href="#">2456</a>
..... <a href="#">1037</a> , <a href="#">1049</a>	<code>\HOLGO@ScaleBox@pdftex</code> .....
<code>\HoLogo@LuaLaTeX</code> .....	..... <a href="#">2427</a>
..... <a href="#">1370</a> , <a href="#">1376</a>	<code>\HOLGO@ScaleBox@vtex</code> .....
<code>\HoLogo@LuaTeX</code> .....	..... <a href="#">2466</a>
..... <a href="#">1362</a> , <a href="#">1369</a>	<code>\HOLGO@ScaleBox@xetex</code> .....
<code>\HoLogo@LyX</code> .....	..... <a href="#">2458</a>
..... <a href="#">2129</a>	<code>\HOLGO@SetBreakAll</code> ...
<code>\HOLGO@Math</code> .....	..... <a href="#">393</a> , <a href="#">402</a> , <a href="#">412</a>
..... <a href="#">832</a>	<code>\HOLGO@Setup</code> .....
<code>\HOLGO@MathSetup</code> .....	..... <a href="#">366</a> , <a href="#">376</a> , <a href="#">379</a>
..... <a href="#">832</a> ,	<code>\HoLogo@SLiTeX</code> .....
<a href="#">1090</a> , <a href="#">1121</a> , <a href="#">1195</a> , <a href="#">1223</a> , <a href="#">1867</a> , <a href="#">1887</a>	..... <a href="#">1356</a>
<code>\HOLGO@mbbox</code> ...	<code>\HoLogo@SLiTeX@lift</code> .
..... <a href="#">524</a> , <a href="#">956</a> , <a href="#">966</a> , <a href="#">976</a> ,	..... <a href="#">1251</a> , <a href="#">1353</a> , <a href="#">1356</a>
<a href="#">1162</a> , <a href="#">1230</a> , <a href="#">1241</a> , <a href="#">1363</a> , <a href="#">1371</a> ,	<code>\HoLogo@SLiTeX@lift</code> .....
<a href="#">1613</a> , <a href="#">1620</a> , <a href="#">1627</a> , <a href="#">1634</a> , <a href="#">1641</a> ,	..... <a href="#">1353</a>
<a href="#">1648</a> , <a href="#">1655</a> , <a href="#">1666</a> , <a href="#">1677</a> , <a href="#">1817</a> ,	<code>\HoLogo@SLiTeX@narrow</code> .....
<a href="#">1819</a> , <a href="#">1823</a> , <a href="#">1826</a> , <a href="#">1854</a> , <a href="#">1915</a> ,	..... <a href="#">1350</a>
<a href="#">1920</a> , <a href="#">1950</a> , <a href="#">1953</a> , <a href="#">1956</a> , <a href="#">1959</a> ,	<code>\HoLogo@SLiTeX@narrow</code> <a href="#">1303</a> , <a href="#">1350</a> , <a href="#">1359</a>
<a href="#">2013</a> , <a href="#">2023</a> , <a href="#">2029</a> , <a href="#">2037</a> , <a href="#">2039</a> ,	<code>\HoLogo@SLiTeX@simple</code> .....
<a href="#">2044</a> , <a href="#">2046</a> , <a href="#">2050</a> , <a href="#">2052</a> , <a href="#">2055</a> ,	..... <a href="#">1347</a>
<a href="#">2057</a> , <a href="#">2060</a> , <a href="#">2062</a> , <a href="#">2070</a> , <a href="#">2076</a> , <a href="#">2085</a>	<code>\HoLogo@SLiTeX@simple</code> <a href="#">1292</a> , <a href="#">1302</a> , <a href="#">1347</a>
<code>\HoLogo@METAFONT</code> .....	<code>\HOLGO@space</code> <a href="#">472</a> , <a href="#">956</a> , <a href="#">1914</a> , <a href="#">2178</a> , <a href="#">2187</a>
..... <a href="#">2035</a>	<code>\HOLGO@SpaceFactor</code> .....
<code>\HoLogo@MetaFun</code> .....	..... <a href="#">862</a> , <a href="#">927</a> , <a href="#">1969</a> , <a href="#">2135</a> , <a href="#">2165</a> , <a href="#">2171</a>
..... <a href="#">2049</a>	<code>\HOLGO@Span</code> .....
<code>\HoLogo@METAPOST</code> .....	..... <a href="#">865</a> , <a href="#">931</a> , <a href="#">933</a> ,
..... <a href="#">2042</a>	<a href="#">1017</a> , <a href="#">1019</a> , <a href="#">1054</a> , <a href="#">1056</a> , <a href="#">1057</a> ,
<code>\HoLogo@MetaPost</code> .....	<a href="#">1058</a> , <a href="#">1117</a> , <a href="#">1119</a> , <a href="#">1120</a> , <a href="#">1173</a> ,
..... <a href="#">2054</a>	<a href="#">1176</a> , <a href="#">1178</a> , <a href="#">1182</a> , <a href="#">1184</a> , <a href="#">1266</a> ,
<code>\HoLogo@MiKTeX</code> .....	<a href="#">1269</a> , <a href="#">1270</a> , <a href="#">1322</a> , <a href="#">1325</a> , <a href="#">1326</a> ,
..... <a href="#">1919</a> , <a href="#">1924</a>	<a href="#">1555</a> , <a href="#">1557</a> , <a href="#">1579</a> , <a href="#">1599</a> , <a href="#">1695</a> ,
<code>\HOLGO@name</code> .....	<a href="#">1697</a> , <a href="#">1743</a> , <a href="#">1745</a> , <a href="#">1746</a> , <a href="#">1780</a> ,
..... <a href="#">365</a> , <a href="#">369</a> , <a href="#">370</a> ,	<a href="#">1783</a> , <a href="#">1830</a> , <a href="#">1831</a> , <a href="#">1885</a> , <a href="#">1889</a> ,
<a href="#">372</a> , <a href="#">387</a> , <a href="#">391</a> , <a href="#">396</a> , <a href="#">400</a> , <a href="#">415</a> ,	<a href="#">1934</a> , <a href="#">1936</a> , <a href="#">1973</a> , <a href="#">1975</a> , <a href="#">1999</a> ,
<a href="#">421</a> , <a href="#">422</a> , <a href="#">424</a> , <a href="#">425</a> , <a href="#">427</a> , <a href="#">429</a> ,	<a href="#">2094</a> , <a href="#">2096</a> , <a href="#">2098</a> , <a href="#">2099</a> , <a href="#">2139</a> , <a href="#">2141</a>
<a href="#">441</a> , <a href="#">451</a> , <a href="#">453</a> , <a href="#">455</a> , <a href="#">459</a> , <a href="#">473</a> ,	<code>\HOLGO@SubScript</code> .....
<a href="#">474</a> , <a href="#">478</a> , <a href="#">482</a> , <a href="#">490</a> , <a href="#">491</a> , <a href="#">495</a> ,	..... <a href="#">870</a> , <a href="#">2169</a>
<a href="#">499</a> , <a href="#">508</a> , <a href="#">509</a> , <a href="#">513</a> , <a href="#">517</a> , <a href="#">525</a> ,	<code>\HoLogo@tag@actualtext</code> .....
<a href="#">529</a> , <a href="#">631</a> , <a href="#">635</a> , <a href="#">636</a> , <a href="#">638</a> , <a href="#">650</a> ,	..... <a href="#">683</a> , <a href="#">704</a> , <a href="#">728</a> , <a href="#">753</a> , <a href="#">898</a>
<a href="#">653</a> , <a href="#">766</a> , <a href="#">767</a> , <a href="#">769</a> , <a href="#">771</a> , <a href="#">774</a> ,	<code>\HoLogo@tag@AmSTeX</code> .....
<a href="#">775</a> , <a href="#">779</a> , <a href="#">780</a> , <a href="#">782</a> , <a href="#">789</a> , <a href="#">790</a> ,	..... <a href="#">1719</a>
<a href="#">792</a> , <a href="#">794</a> , <a href="#">797</a> , <a href="#">798</a> , <a href="#">802</a> , <a href="#">803</a> , <a href="#">805</a>	<code>\HoLogo@tag@AmSTeX</code> .....
<code>\HOLGO@NegativeKerning</code> .....	..... <a href="#">2064</a>
..... <a href="#">842</a> , <a href="#">1198</a> , <a href="#">1365</a> , <a href="#">2031</a>	<code>\HoLogo@tag@emTeX</code> .....
<code>\HoLogo@NTS</code> .....	..... <a href="#">1881</a>
..... <a href="#">2157</a>	<code>\HoLogo@tag@ExTeX</code> .....
<code>\HoLogo@OzMF</code> .....	..... <a href="#">2190</a>
..... <a href="#">1949</a>	<code>\HoLogo@tag@HanTheThanh</code> .....
<code>\HoLogo@OzMP</code> .....	..... <a href="#">1234</a>
..... <a href="#">1952</a>	<code>\HoLogo@tag@iniTeX</code> .....
<code>\HoLogo@OzTeX</code> .....	..... <a href="#">1234</a>
..... <a href="#">1925</a>	<code>\HoLogo@tag@LaTeX2e</code> .....
<code>\HoLogo@OzTtH</code> .....	..... <a href="#">1143</a>
..... <a href="#">1955</a>	<code>\HoLogo@tag@LaTeXe</code> .....
<code>\HoLogo@PCTeX</code> .....	..... <a href="#">1095</a> , <a href="#">1143</a>
..... <a href="#">1958</a> , <a href="#">1962</a>	<code>\HoLogo@tag@LaTeXTeX</code> .....
<code>\HOLGO@PdfdocUnicode</code> .....	..... <a href="#">1046</a>
..... <a href="#">825</a> , <a href="#">1113</a> , <a href="#">1217</a> , <a href="#">1896</a> , <a href="#">2193</a>	<code>\HoLogo@tag@pdfLaTeX</code> .....
<code>\HoLogo@pdfLaTeX</code> .....	..... <a href="#">1670</a>
..... <a href="#">1665</a> , <a href="#">1675</a>	<code>\HoLogo@tag@pdfTeX</code> .....
<code>\HOLGO@pdfliteral</code> .....	..... <a href="#">1659</a>
..... <a href="#">2325</a> , <a href="#">2329</a> , <a href="#">2344</a> , <a href="#">2348</a> , <a href="#">2429</a> , <a href="#">2433</a>	<code>\HoLogo@tag@plainTeX</code> .....
<code>\HoLogo@pdfTeX</code> .....	..... <a href="#">986</a>
..... <a href="#">1654</a> , <a href="#">1664</a>	<code>\HoLogo@tag@TeXLive</code> .....
<code>\HoLogo@PiC</code> .....	..... <a href="#">1917</a>
..... <a href="#">1963</a>	<code>\HoLogo@tag@virTeX</code> .....
<code>\HoLogo@PiCTeX</code> .....	..... <a href="#">1245</a>
..... <a href="#">1991</a>	<code>\HOLGO@temp</code> ...
	..... <a href="#">385</a> , <a href="#">386</a> , <a href="#">395</a> , <a href="#">413</a> ,
	<a href="#">414</a> , <a href="#">448</a> , <a href="#">449</a> , <a href="#">453</a> , <a href="#">455</a> , <a href="#">460</a> ,
	<a href="#">475</a> , <a href="#">477</a> , <a href="#">481</a> , <a href="#">484</a> , <a href="#">492</a> , <a href="#">494</a> ,
	<a href="#">498</a> , <a href="#">501</a> , <a href="#">510</a> , <a href="#">512</a> , <a href="#">516</a> , <a href="#">519</a> ,
	<a href="#">526</a> , <a href="#">528</a> , <a href="#">531</a> , <a href="#">648</a> , <a href="#">657</a> , <a href="#">658</a> ,

2206, 2207, 2208, 2210, 2222, 2224, 2227, 2234, 2237, 2245, 2249, 2250, 2252, 2269, 2272, 2273, 2274, 2277, 2287, 2289, 2335, 2347, 2350, 2388, 2389, 2426, 2427, 2438, 2455, 2458, 2466	\HoLogoBkm@SLiTeX@narrow . . . . .
\HoLogo@temp@actualtext 915, 918, 920	. . . . . 1319, 1351, 1360
\HOLOGO@TempDimen . . . . .	\HoLogoBkm@SLiTeX@simple . . . . . 1348
. 841, 844, 846, 851, 852, 858, 860	\HoLogoBkm@SLiTeX@simple . 1301, 1348
\HoLogo@teTeX . . . . . 2012, 2021	\HoLogoBkm@teTeX . . . . . 2018
\HoLogo@TeX . . . . . 926	\HoLogoBkm@upLaTeX . . . . . 1638
\HoLogo@TeX4ht . . . . . 2022	\HoLogoBkm@upTeX . . . . . 1631
\HoLogo@TeXLive . . . . . 1912, 1918	\HoLogoBkm@virTeX . . . . . 1247
\HOLOGO@true . . . . . 386, 433	\HoLogoCs@biber . . . . . 2065
\HoLogo@TTH . . . . . 2167	\HoLogoCs@DVIPDFMx . . . . . 2071
\HoLogo@upLaTeX . . . . . 1633, 1639	\HoLogoCs@emTeX . . . . . 1859
\HOLOGO@Uppercase . . . . . 803, 824	\HoLogoCs@eTeX . . . . . 1202
\HoLogo@upTeX . . . . . 1626, 1632	\HoLogoCs@iniTeX . . . . . 1235
\HOLOGO@Variant 465, 675, 678, 685, 688, 696, 699, 706, 709, 767, 775, 779, 782, 790, 798, 802, 805	\HoLogoCs@LaTeX2e . . . . . 1144
\HoLogo@virTeX . . . . . 1240, 1250	\HoLogoCs@LaTeXe . . . . . 1096, 1145
\HoLogo@VTeX . . . . . 1676, 1681	\HoLogoCs@pdfLaTeX . . . . . 1671
\HOLOGO@WarningUnsupportedDriver . . . . . 1481, 1526, 2369	\HoLogoCs@pdfTeX . . . . . 1660
\HoLogo@Xe . . . . . 1456	\HoLogoCs@plainTeX . . . . . 987
\HoLogo@XeLaTeX . . . . . 1592	\HoLogoCs@plainTeX@hyphen . . . . . 968
\HoLogo@XeTeX . . . . . 1572	\HoLogoCs@plainTeX@runtogether . 978
\HoLogoBkm@(La)TeX . . . . . 1050	\HoLogoCs@plainTeX@space . . 958, 987
\HoLogoBkm@AmS . . . . . 1691	\HoLogoCs@teTeX . . . . . 2017
\HoLogoBkm@AmSLaTeX . . . . . 1727	\HoLogoCs@virTeX . . . . . 1246
\HoLogoBkm@AmSTeX . . . . . 1720	\HoLogoCss@AmS . . . . . 1693, 1702
\HoLogoBkm@ApLaTeX . . . . . 1652	\HoLogoCss@BibTeX@sc . . . . 1742, 1750
\HoLogoBkm@ApTeX . . . . . 1645	\HoLogoCss@BibTeX@sf . . . . 1779, 1789
\HoLogoBkm@biber . . . . . 2066	\HoLogoCss@ConTeXt@narrow . 1829, 1837
\HoLogoBkm@BibTeX8 . . . . . 1809	\HoLogoCss@ExTeX . . . . . 1883, 1899
\HoLogoBkm@DVIPDFMx . . . . . 2072	\HoLogoCss@KOMAScript . . . 2092, 2104
\HoLogoBkm@emTeX . . . . . 1860	\HoLogoCss@LaTeX . . . 1016, 1025, 1174
\HoLogoBkm@eTeX . . . . . 1216	\HoLogoCss@LaTeXe . . . . . 1116, 1126
\HoLogoBkm@ExTeX . . . . . 1895	\HoLogoCss@LaTeXTeX . . . . . 1053, 1064
\HoLogoBkm@HanTheThanh . . . . . 2191	\HoLogoCss@LyX . . . . . 2138, 2145
\HoLogoBkm@iniTeX . . . . . 1236	\HoLogoCss@OzTeX . . . . . 1933, 1940
\HoLogoBkm@KOMAScript . . . . . 2088	\HoLogoCss@PiC . . . . . 1972, 1979
\HoLogoBkm@LaTeX2e . . . . . 1146	\HoLogoCss@PiCTeX . . . . . 1998, 2004
\HoLogoBkm@LaTeX3 . . . . . 1154	\HoLogoCss@SLiTeX@lift . . 1265, 1275
\HoLogoBkm@LaTeXe . . . . . 1110, 1147	\HoLogoCss@SLiTeX@narrow . 1321, 1331
\HoLogoBkm@LaTeXTeX . . . . . 1047, 1051	\HoLogoCss@TeX . . . . . 930, 939, 1175
\HoLogoBkm@pdfLaTeX . . . . . 1672	\HoLogoCss@Xe . . . . . 1554, 1562
\HoLogoBkm@pdfTeX . . . . . 1661	\HoLogoCss@XeLaTeX . . . . . 1598, 1604
\HoLogoBkm@plainTeX . . . . . 988	\HoLogoCss@XeTeX . . . . . 1578, 1584
\HoLogoBkm@plainTeX@hyphen . . . . 969	\hologoDriver . . . . .
\HoLogoBkm@plainTeX@runtogether . 979	. 1467, 1512, 2282, 2308, 2320, 2324, 2361, 2364, 2372, 2399, 2415
\HoLogoBkm@plainTeX@space . . 959, 988	\hologoDriverSetup . . . . . 5, 2307
\HoLogoBkm@pLaTeX . . . . . 1624	\hologoEntry . . . . .
\HoLogoBkm@pTeX . . . . . 1617	32, 66, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326
\HoLogoBkm@SLiTeX . . . . . 1357	\HoLogoFont@Def . . . . . 553, 559, 563, 566, 571, 574, 580, 582, 594, 596, 601, 604, 622, 628, 651
\HoLogoBkm@SLiTeX@lift . . . . . 1263, 1354, 1357	
\HoLogoBkm@SLiTeX@lift . . . . . 1354	
\HoLogoBkm@SLiTeX@narrow . . . . . 1351	

<code>\HoLogoFont@font</code>	<a href="#">537</a> , <a href="#">774</a> , <a href="#">797</a> , <a href="#">1169</a> , <a href="#">1252</a> , <a href="#">1257</a> , <a href="#">1267</a> , <a href="#">1293</a> , <a href="#">1295</a> , <a href="#">1304</a> , <a href="#">1308</a> , <a href="#">1323</a> , <a href="#">1683</a> , <a href="#">1694</a> , <a href="#">1732</a> , <a href="#">1769</a> , <a href="#">1782</a> , <a href="#">1865</a> , <a href="#">1872</a> , <a href="#">1884</a> , <a href="#">2036</a> , <a href="#">2043</a> , <a href="#">2075</a> , <a href="#">2093</a> , <a href="#">2158</a>	<code>\HoLogoHtml@SLiTeX@lift</code>	<a href="#">1355</a>
<code>\HoLogoFont@font@bbsf</code>	<a href="#">576</a>	<code>\HoLogoHtml@SLiTeX@narrow</code>	<a href="#">1352</a>
<code>\HoLogoFont@font@general</code>	<a href="#">559</a>	<code>\HoLogoHtml@SLiTeX@narrow</code>	<a href="#">1320</a> , <a href="#">1352</a> , <a href="#">1361</a>
<code>\HoLogoFont@font@logo</code>	<a href="#">608</a>	<code>\HoLogoHtml@SLiTeX@simple</code>	<a href="#">1349</a>
<code>\HoLogoFont@font@rm</code>	<a href="#">560</a>	<code>\HoLogoHtml@SLiTeX@simple</code>	<a href="#">1302</a> , <a href="#">1349</a>
<code>\HoLogoFont@font@sc</code>	<a href="#">590</a>	<code>\HoLogoHtml@teTeX</code>	<a href="#">2021</a>
<code>\HoLogoFont@font@sf</code>	<a href="#">568</a>	<code>\HoLogoHtml@TeX</code>	<a href="#">929</a>
<code>\HoLogoFont@font@sy</code>	<a href="#">598</a>	<code>\HoLogoHtml@TeX4ht</code>	<a href="#">2025</a>
<code>\HoLogoFont@LogoDef</code>	<a href="#">556</a> , <a href="#">653</a>	<code>\HoLogoHtml@TeXLive</code>	<a href="#">1918</a>
<code>\hologoFontSetup</code>	<a href="#">6</a> , <a href="#">630</a>	<code>\HoLogoHtml@TTH</code>	<a href="#">2173</a>
<code>\HoLogoHtml@(La)TeX</code>	<a href="#">1062</a>	<code>\HoLogoHtml@upLaTeX</code>	<a href="#">1639</a>
<code>\HoLogoHtml@AmS</code>	<a href="#">1692</a>	<code>\HoLogoHtml@upTeX</code>	<a href="#">1632</a>
<code>\HoLogoHtml@AmSLaTeX</code>	<a href="#">1728</a>	<code>\HoLogoHtml@virTeX</code>	<a href="#">1250</a>
<code>\HoLogoHtml@AmSTeX</code>	<a href="#">1721</a>	<code>\HoLogoHtml@VTeX</code>	<a href="#">1681</a>
<code>\HoLogoHtml@ApLaTeX</code>	<a href="#">1653</a>	<code>\HoLogoHtml@Xe</code>	<a href="#">1553</a>
<code>\HoLogoHtml@ApTeX</code>	<a href="#">1646</a>	<code>\HoLogoHtml@XeLaTeX</code>	<a href="#">1597</a>
<code>\HoLogoHtml@biber</code>	<a href="#">2069</a>	<code>\HoLogoHtml@XeTeX</code>	<a href="#">1577</a>
<code>\HoLogoHtml@BibTeX</code>	<a href="#">1804</a>	<code>\hologoList</code>	<a href="#">7</a> , <a href="#">35</a> , <a href="#">115</a> , <a href="#">254</a>
<code>\HoLogoHtml@BibTeX8</code>	<a href="#">1813</a>	<code>\hologoLogoFontSetup</code>	<a href="#">6</a> , <a href="#">634</a>
<code>\HoLogoHtml@BibTeX@sc</code>	<a href="#">1741</a>	<code>\hologoLogoSetup</code>	<a href="#">4</a> , <a href="#">63</a> , <a href="#">368</a> , <a href="#">445</a> , <a href="#">813</a> , <a href="#">819</a>
<code>\HoLogoHtml@BibTeX@sf</code>	<a href="#">1778</a> , <a href="#">1804</a>	<code>\HOLGGOOPT@break</code>	<a href="#">416</a> , <a href="#">417</a> , <a href="#">418</a>
<code>\HoLogoHtml@ConTeXt</code>	<a href="#">1852</a>	<code>\HOLGGOOPT@discretionarybreak</code>	<a href="#">418</a> , <a href="#">510</a>
<code>\HoLogoHtml@ConTeXt@narrow</code>	<a href="#">1828</a> , <a href="#">1852</a>	<code>\HOLGGOOPT@hyphenbreak</code>	<a href="#">416</a> , <a href="#">492</a> , <a href="#">526</a>
<code>\HoLogoHtml@ConTeXt@simple</code>	<a href="#">1821</a>	<code>\HOLGGOOPT@spacebreak</code>	<a href="#">417</a> , <a href="#">475</a>
<code>\HoLogoHtml@DVIPDFMx</code>	<a href="#">2073</a>	<code>\HologoRobust</code>	<a href="#">704</a> , <a href="#">788</a> , <a href="#">820</a>
<code>\HoLogoHtml@emTeX</code>	<a href="#">1863</a>	<code>\hologoRobust</code>	<a href="#">666</a> , <a href="#">668</a> , <a href="#">683</a> , <a href="#">765</a> , <a href="#">814</a> , <a href="#">823</a>
<code>\HoLogoHtml@eTeX</code>	<a href="#">1221</a>	<code>\hologorobust</code>	<a href="#">823</a>
<code>\HoLogoHtml@ExTeX</code>	<a href="#">1882</a>	<code>\hologoSetup</code>	<a href="#">4</a> , <a href="#">364</a> , <a href="#">443</a>
<code>\HoLogoHtml@HanTheThanh</code>	<a href="#">2196</a>	<code>\HologoVariant</code>	<a href="#">740</a>
<code>\HoLogoHtml@iniTeX</code>	<a href="#">1239</a>	<code>\hologoVariant</code>	<a href="#">7</a> , <a href="#">715</a>
<code>\HoLogoHtml@KOMAScript</code>	<a href="#">2091</a>	<code>\HologoVariantRobust</code>	<a href="#">753</a> , <a href="#">817</a>
<code>\HoLogoHtml@LaTeX</code>	<a href="#">1015</a>	<code>\hologoVariantRobust</code>	<a href="#">728</a> , <a href="#">811</a>
<code>\HoLogoHtml@LaTeX2e</code>	<a href="#">1148</a>	<code>\hss</code>	<a href="#">2184</a> , <a href="#">2400</a> , <a href="#">2416</a>
<code>\HoLogoHtml@LaTeX3</code>	<a href="#">1158</a>	<code>\ht</code>	<a href="#">995</a> , <a href="#">2404</a> , <a href="#">2414</a> , <a href="#">2421</a>
<code>\HoLogoHtml@LaTeXe</code>	<a href="#">1115</a> , <a href="#">1149</a>	<code>\hypersetup</code>	<a href="#">20</a> , <a href="#">75</a>
<code>\HoLogoHtml@LaTeXML</code>	<a href="#">1172</a>	<code>\hypertarget</code>	<a href="#">68</a>
<code>\HoLogoHtml@LaTeXTeX</code>	<a href="#">1052</a> , <a href="#">1063</a>		
<code>\HoLogoHtml@LuaLaTeX</code>	<a href="#">1376</a>		
<code>\HoLogoHtml@LuaTeX</code>	<a href="#">1369</a>		
<code>\HoLogoHtml@LyX</code>	<a href="#">2137</a>		
<code>\HoLogoHtml@MiKTeX</code>	<a href="#">1924</a>		
<code>\HoLogoHtml@OzTeX</code>	<a href="#">1932</a>		
<code>\HoLogoHtml@PCTeX</code>	<a href="#">1962</a>		
<code>\HoLogoHtml@pdfLaTeX</code>	<a href="#">1172</a> , <a href="#">1675</a>		
<code>\HoLogoHtml@pdfTeX</code>	<a href="#">1664</a>		
<code>\HoLogoHtml@PiC</code>	<a href="#">1971</a>		
<code>\HoLogoHtml@PiCTeX</code>	<a href="#">1997</a>		
<code>\HoLogoHtml@plainTeX</code>	<a href="#">989</a>		
<code>\HoLogoHtml@plainTeX@hyphen</code>	<a href="#">972</a>		
<code>\HoLogoHtml@plainTeX@runtogether</code>	<a href="#">982</a>		
<code>\HoLogoHtml@plainTeX@space</code>	<a href="#">962</a> , <a href="#">989</a>		
<code>\HoLogoHtml@pLaTeX</code>	<a href="#">1625</a>		
<code>\HoLogoHtml@pTeX</code>	<a href="#">1618</a>		
<code>\HoLogoHtml@SageTeX</code>	<a href="#">2034</a>		
<code>\HoLogoHtml@SLiTeX</code>	<a href="#">1358</a>		
<code>\HoLogoHtml@SLiTeX</code>	<a href="#">1361</a>		
<code>\HoLogoHtml@SLiTeX@lift</code>	<a href="#">1264</a> , <a href="#">1355</a> , <a href="#">1358</a>		

## I

<code>\if</code>	<a href="#">836</a> , <a href="#">1414</a>
<code>\ifcase</code>	<a href="#">484</a> , <a href="#">501</a> , <a href="#">519</a> , <a href="#">531</a> , <a href="#">1480</a> , <a href="#">1525</a> , <a href="#">2227</a> , <a href="#">2336</a>
<code>\ifcsname</code>	<a href="#">328</a> , <a href="#">337</a> , <a href="#">898</a> , <a href="#">914</a>
<code>\ifdim</code>	<a href="#">846</a> , <a href="#">851</a> , <a href="#">1463</a>
<code>\ifeof</code>	<a href="#">2207</a> , <a href="#">2224</a>
<code>\ifHy@unicode</code>	<a href="#">826</a>
<code>\ifincsname</code>	<a href="#">674</a> , <a href="#">695</a> , <a href="#">719</a> , <a href="#">744</a>
<code>\ifluatex</code>	<a href="#">1377</a> , <a href="#">2326</a>
<code>\ifnum</code>	<a href="#">1096</a> , <a href="#">1202</a> , <a href="#">1378</a> , <a href="#">1381</a> , <a href="#">1408</a> , <a href="#">1426</a> , <a href="#">1432</a> , <a href="#">1445</a> , <a href="#">1449</a> , <a href="#">2252</a> , <a href="#">2332</a>
<code>\ifpdf</code>	<a href="#">2323</a>
<code>\iftrue</code>	<a href="#">826</a>
<code>\ifvtx</code>	<a href="#">2363</a>
<code>\ifx</code>	<a href="#">33</a> , <a href="#">61</a> , <a href="#">72</a> , <a href="#">79</a> , <a href="#">137</a> , <a href="#">140</a> , <a href="#">143</a> , <a href="#">172</a> , <a href="#">180</a> , <a href="#">183</a> , <a href="#">354</a> , <a href="#">357</a> , <a href="#">386</a> , <a href="#">387</a> , <a href="#">395</a> , <a href="#">396</a> , <a href="#">414</a> , <a href="#">415</a> , <a href="#">441</a> , <a href="#">449</a> , <a href="#">611</a> , <a href="#">650</a> , <a href="#">716</a> , <a href="#">741</a> , <a href="#">826</a> , <a href="#">2214</a> , <a href="#">2250</a> , <a href="#">2256</a> , <a href="#">2274</a> , <a href="#">2286</a> , <a href="#">2327</a> , <a href="#">2344</a> , <a href="#">2389</a>
<code>\ifxetex</code>	<a href="#">1422</a> , <a href="#">2360</a>

<code>\immediate</code> .....	145, 174	<code>\ltx@space</code> .....	487, 661, 668
<code>\input</code> ....	339, 2215, 2217, 2257, 2259	<code>\ltx@two</code> ..	2397, 2403, 2404, 2405,
<code>\InputIfFileExists</code> .....	2201, 2202		2406, 2412, 2420, 2421, 2422, 2423
<b>K</b>			
<code>\kern</code>	852, 859, 927, 992, 1012, 1039,	<code>\ltx@undefined</code> .....	2308
	1041, 1043, 1088, 1164, 1166,	<code>\ltx@zero</code> .....	383, 397, 400, 841,
	1168, 1254, 1256, 1259, 1307,		857, 858, 859, 860, 994, 995,
	1310, 1315, 1407, 1458, 1574,		1394, 1405, 1406, 1408, 1426,
	1594, 1613, 1620, 1627, 1634,		1432, 1462, 1485, 1486, 1488,
	1641, 1648, 1685, 1687, 1731,		1498, 1499, 1501, 2396, 2398,
	1734, 1738, 1768, 1771, 1775,		2400, 2403, 2404, 2405, 2411,
	1823, 1825, 1826, 1871, 1877,		2413, 2414, 2416, 2420, 2421, 2422
	1927, 1929, 1965, 1967, 1994,	<code>\luatexversion</code> .....	1378, 2332
	2077, 2078, 2079, 2082, 2084,	<b>M</b>	
	2131, 2133, 2160, 2162, 2398, 2413	<code>\m@th</code> .....	583, 890
<code>\kv@define@key</code>	384, 440, 649, 2270, 2303	<code>\math@fontsfalse</code> .....	586, 1002
<code>\kv@parse@normalized</code> .....	2292	<code>\mathsurround</code> .....	833, 874
<code>\kv@value</code> .....	2286	<code>\mbox</code> .....	880
<code>\kvsetkeys</code> .....	380, 646, 2312, 2317	<code>\MessageBreak</code> .....	405, 444,
			661, 668, 2229, 2371, 2372, 2373
<b>L</b>			
<code>\lastkern</code> .....	1408	<b>N</b>	
<code>\leavevmode</code> .....	901	<code>\NeedsTeXFormat</code> .....	3
<code>\logofamily</code> .....	613, 614, 622	<code>\newcommand</code> .....	32, 60, 66
<code>\lower</code> .....	927, 1167,	<code>\NewTaggingSocket</code> .....	899
	1460, 1491, 1504, 1529, 1533,	<code>\NewTaggingSocketPlug</code> .....	900
	1540, 1544, 1686, 1966, 2132, 2161	<code>\NoCaseChange</code> .	351, 683, 704, 728, 753
<code>\ltx@car</code> .....	836	<code>\not@math@alphabet</code> .....	614
<code>\ltx@cclv</code> .....	2234, 2235, 2237	<code>\number</code> .....	1385, 1390
<code>\ltx@empty</code> .....	449, 2250, 2274	<b>O</b>	
<code>\ltx@firstofthree</code> .....	1427	<code>\openin</code> .....	2206
<code>\ltx@firstoftwo</code> .....	360, 678,	<b>P</b>	
	681, 689, 702, 723, 726, 734,	<code>\PackageInfo</code> .....	148
	751, 776, 783, 829, 1397, 1416, 1433	<code>\pagestyle</code> .....	9
<code>\ltx@fourthoffour</code> .....	1450	<code>\pdf@filesize</code> .....	2249
<code>\ltx@gobble</code> .....	374, 640, 849, 1429	<code>\pdfextension</code> .....	2327, 2328
<code>\ltx@hashchar</code> .....	1558, 2198	<code>\pdfliteral</code> ....	2325, 2328, 2329, 2356
<code>\ltx@ifundefined</code> .....	348,	<code>\penalty</code> .....	485
	370, 453, 539, 540, 560, 561,	<code>\pgfpicture</code> .....	1492, 1534
	568, 569, 576, 577, 590, 591,	<code>\pgftext</code> .....	1490, 1493, 1532, 1536
	598, 599, 612, 620, 625, 636,	<code>\pgftransformxscale</code> .....	1535
	767, 773, 779, 790, 796, 802,	<code>\ProcessKeyvalOptions</code> .....	2391
	871, 872, 877, 1402, 1423, 1424,	<code>\protected</code> 765, 788, 811, 817, 911, 2328	
	1464, 1465, 1466, 1467, 1509,	<code>\ProvidesPackage</code> .....	141, 189
	1510, 1511, 1512, 2204, 2221,	<code>\psscalebox</code> ....	1496, 1498, 1539, 1541
	2331, 2354, 2377, 2378, 2382, 2385	<b>R</b>	
<code>\ltx@ifundefined</code>	467, 473, 474, 490,	<code>\raise</code> ...	1257, 1488, 1501, 2184, 2414
	491, 508, 509, 525, 675, 685,	<code>\raisebox</code> .....	68
	686, 696, 706, 707, 720, 730,	<code>\reflectbox</code> .....	1530
	731, 745, 755, 756, 997, 1444, 2314	<code>\RequirePackage</code> .....	
<code>\ltx@LocDimenA</code> .....			329, 330, 331, 332, 333, 334, 2390
	1486, 1487, 1488, 1499, 1500, 1501	<code>\rm</code> .....	563, 878
<code>\ltx@mbox</code> .....	502, 532, 873,	<code>\rmfamily</code> .....	566
	889, 1194, 1222, 1294, 1305,	<code>\rotatebox</code> .....	1483, 1485
	1866, 1886, 2168, 2177, 2179, 2188	<b>S</b>	
<code>\ltx@minusone</code> .....	2235	<code>\scshape</code> .....	596
<code>\ltx@newif</code> .....	349	<code>\section</code> .....	43
<code>\ltx@one</code> .....	388, 391, 1463	<code>\selectfont</code> .....	
<code>\ltx@onelevel@sanitize</code> .....	2273		.. 92, 96, 103, 587, 617, 881, 1002
<code>\ltx@secondoftwo</code> .....			
	.. 355, 358, 699, 710, 748,		
	759, 799, 806, 827, 1395, 1419, 1435		



