

# The `hologo` package

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## Abstract

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

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# 1 Documentation

## 1.1 Logo macros

`\hologo {⟨name⟩}`

Macro `\hologo` sets the logo with name  $\langle name \rangle$ . The following table shows the supported names.

| name        | variant     | logo   | since      |
|-------------|-------------|--|------------|
| (La)TeX     |             | (L)TeX   | 2011/10/01 |
| AmSLaTeX    |             | $\mathcal{A}\mathcal{M}\mathcal{S}\text{-}\text{L}\text{A}\text{T}_{\text{E}}\text{X}$ | 2010/04/16 |
| AmSTeX      |             | $\mathcal{A}\mathcal{M}\mathcal{S}\text{-}\text{T}_{\text{E}}\text{X}$                 | 2010/04/16 |
| 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 |
| emTeX       |             | emTeX  | 2010/04/26 |
| eTeX        |             | $\varepsilon\text{-}\text{T}_{\text{E}}\text{X}$                                       | 2010/04/08 |
| ExTeX       |             | $\varepsilon_{\text{X}}\text{T}_{\text{E}}\text{X}$                                    | 2011/10/01 |
| HanTheThanh |             | Hàn Thế Thành  | 2011/11/29 |
| iniTeX      |             | iniTeX   | 2011/10/01 |
| KOMAScript  |             | KOMA-Script  | 2011/10/01 |
| La          |             | LA   | 2010/05/08 |
| LaTeX       |             | L <sup>A</sup> TeX   | 2010/04/08 |
| LaTeX2e     |             | L <sup>A</sup> TeX 2 <sub>ε</sub>  | 2010/04/08 |
| LaTeX3      |             | L <sup>A</sup> TeX3  | 2010/04/24 |
| LaTeXe      |             | L <sup>A</sup> TeX 2 <sub>ε</sub>  | 2010/04/08 |
| LaTeXML     |             | L <sup>A</sup> TeXML   | 2011/11/22 |
| LaTeXTeX    |             | (L <sup>A</sup> )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 |
| OzTtH       |             | OzTtH  | 2011/10/01 |
| PCTeX       |             | PCTeX  | 2011/10/01 |
| pdfTeX      |             | pdfTeX   | 2011/10/01 |
| pdfLaTeX    |             | pdfL <sup>A</sup> TeX  | 2011/10/01 |
| PiC         |             | P <sub>I</sub> C   | 2011/10/01 |
| PiCTeX      |             | P <sub>I</sub> CTeX  | 2011/10/01 |
| plainTeX    |             | plain T <sub>E</sub> X   | 2010/04/08 |
| plainTeX    | space       | plain T <sub>E</sub> X   | 2010/04/16 |
| plainTeX    | hyphen      | plain-T <sub>E</sub> X   | 2010/04/16 |
| plainTeX    | runtogether | plainT <sub>E</sub> X  | 2010/04/16 |
| SageTeX     |             | SageTeX  | 2011/11/22 |

| name    | variant | logo                 | since      |
|---------|---------|----------------------|------------|
| SLiTeX  |         | SLiTeX               | 2011/10/01 |
| SLiTeX  | lift    | SLiTeX               | 2011/10/01 |
| SLiTeX  | narrow  | SLiTeX               | 2011/10/01 |
| SLiTeX  | simple  | SLiTeX               | 2011/10/01 |
| SliTeX  |         | SliTeX               | 2011/10/01 |
| SliTeX  | narrow  | SliTeX               | 2011/10/01 |
| SliTeX  | simple  | SliTeX               | 2011/10/01 |
| SliTeX  | lift    | SliTeX               | 2011/10/01 |
| teTeX   |         | teTeX                | 2011/10/01 |
| TeX     |         | TeX                  | 2010/04/08 |
| TeX4ht  |         | TeX4ht               | 2011/11/22 |
| TTH     |         | T <sub>T</sub> H     | 2011/11/22 |
| virTeX  |         | virTeX               | 2011/10/01 |
| VTeX    |         | VTeX                 | 2010/04/24 |
| Xe      |         | X <sub>Ǝ</sub>       | 2010/04/08 |
| XeLaTeX |         | X <sub>Ǝ</sub> LaTeX | 2010/04/08 |
| XeTeX   |         | X <sub>Ǝ</sub> TeX   | 2010/04/08 |

`\Hologo {⟨name⟩}`

Macro `\Hologo` starts the logo `⟨name⟩` with an uppercase letter. As an exception small greek letters are not converted to uppercase. Examples, see  $\varepsilon$ -TeX and  $\varepsilon_X$ TeX.

## 1.2 Setup macros

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

`\hologoSetup {⟨key value list⟩}`

Macro `\hologoSetup` sets global options.

`\hologoLogoSetup {⟨logo⟩} {⟨key value list⟩}`

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

## 1.3 Options

There are boolean and string options:

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

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

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

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

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

**spacebreak:** enables or disables line breaks at space characters.

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

Macro `\hologoLogoSetup` also knows:

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

Example:

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

## 1.4 Driver options

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

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

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

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

`\hologoDriverSetup {<driver option>}`

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

## 1.5 Font setup

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

`\hologoFontSetup {<key value list>}`

Macro `\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  $\mathrm{BibTeX}$  with variant `sf`.

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

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

- sf:** This font specifies a sans serif font. The default is `\sffamily`, then `\sf` is tried. Otherwise a warning is given. It is used by KOMA-Script.
- sy:** This is the font for math symbols (e.g. `\cmsy`). It is used by  $\mathcal{M}\mathcal{S}$ ,  $\mathcal{N}\mathcal{T}\mathcal{S}$ ,  $\varepsilon_X\mathrm{T}\mathrm{E}\mathrm{X}$ .
- logo:** METAFONT and METAPOST are using that font. In  $\mathrm{L}\mathrm{A}\mathrm{T}\mathrm{E}\mathrm{X}$  `\logofamily` is used and the definitions of package `mflogo` are used if the package is not loaded. Otherwise the `\tenlogo` is used and defined if it does not already exists.

`\hologoLogoFontSetup {⟨logo⟩} {⟨key value list⟩}`

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

| ⟨logo⟩     | keys      | result  |
|------------|-----------|---|
| BibTeX     | bibsf     | BibTeX  |
| BibTeX     | sc        | BibTeX  |
| ExTeX      | rm        | $\varepsilon_X\mathrm{T}\mathrm{E}\mathrm{X}$ |
| SliTeX     | rm        | SliTeX  |
| AmS        | sy        | $\mathcal{M}\mathcal{S}$                      |
| ExTeX      | sy        | $\varepsilon_X\mathrm{T}\mathrm{E}\mathrm{X}$ |
| NTS        | sy        | $\mathcal{N}\mathcal{T}\mathcal{S}$           |
| KOMAScript | sf        | KOMA-Script                                   |
| METAFONT   | logo      | METAFONT                                      |
| METAPOST   | logo      | METAPOST                                      |
| SliTeX     | sc SliTeX |   |

### 1.5.1 Font order

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

```
\hologoFontSetup{general=\color{red}}
```

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

## 1.6 Additional user macros

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

`\hologoVariant {⟨name⟩} {⟨variant⟩}`  
`\HologoVariant {⟨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 `\hologoLogoSetup`).

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

```

\hologoList
\hologoEntry {\langle logo \rangle} {\langle variant \rangle} {\langle since \rangle}

```

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

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

## 1.7 Supported contexts

Macros `\hologo` and friends support special contexts:

- L<sup>A</sup>T<sub>E</sub>X's protection mechanism.
- Bookmarks of package `hyperref`.
- Package `tex4ht`.
- The macros can be used inside `\csname` constructs, if `\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{hologo}[2012/04/26]
11 \usepackage{longtable}
12 \usepackage{array}
13 \setlength{\extrarowheight}{2pt}
14 \usepackage[T1]{fontenc}
15 \usepackage{lmodern}
16 \usepackage{pdflscape}
17 \usepackage[
18   pdfencoding=auto,
19 ]{hyperref}
20 \hypersetup{
21   pdfauthor={Heiko Oberdiek},
22   pdftitle={Example for package `hologo'},
23   pdfsubject={Logos with fonts lmr, lmss, qtm, qpl, qhv},
24 }
25 \usepackage{bookmark}
26
27 % Print the logo list on the console
28
29 \begingroup
30   \typeout{}%
31   \typeout{*** Begin of logo list ***}%
32   \newcommand*\hologoEntry[3]{%
33     \typeout{#1 \ifx\#2\\\else(#2) \fi[#3]}%

```

```

34 }%
35 \hologoList
36 \typeout{*** End of logo list ***}%
37 \typeout{}%
38 \endgroup
39
40 \begin{document}
41 \begin{landscape}
42
43 \section{Example file for package `hologo'}
44
45 % Table for font names
46
47 \begin{longtable}{>{\bfseries}ll}
48 \textbf{font} & \textbf{Font name}\\
49 \hline
50 lmr & Latin Modern Roman\\
51 lmss & Latin Modern Sans\\
52 qtm & \TeX Gyre Termes\\
53 qhv & \TeX Gyre Heros\\
54 qpl & \TeX Gyre Pagella\\
55 \end{longtable}
56
57 % Logo list with logos in different fonts
58
59 \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\\%
73 [Unicode]%
74 }%
75 \hypersetup{unicode=false}%
76 \bookmark[%
77 dest={#1@#2},%
78 ]{%
79 #1\ifx\#2\\%
80 [PDFDocEncoding]%
81 }%
82 \texttt{#1}%
83 &%
84 \texttt{#2}%
85 &%
86 \Hologo{#1}%
87 &%
88 \SetVariant{#1}{#2}%
89 \hologo{#1}%
90 &%
91 \SetVariant{#1}{#2}%
92 \fontfamily{qtm}\selectfont
93 \hologo{#1}%
94 &%
95 \SetVariant{#1}{#2}%

```



```

96     \fontfamily{qpl}\selectfont
97     \hologo{#1}%
98     &%
99     \SetVariant{#1}{#2}%
100    \textsf{\hologo{#1}}%
101    &%
102    \SetVariant{#1}{#2}%
103    \fontfamily{qhv}\selectfont
104    \hologo{#1}%
105    \tabularnewline
106  }%
107  \begin{longtable}{llllllll}%
108    \textbf{\textit{logo}} & \textbf{\textit{variant}} & &
109    \texttt{\string\Hologo} & &
110    \textbf{lmr} & \textbf{qtm} & \textbf{qpl} &
111    \textbf{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@hologo.sty\endcsname
137 \ifx\x\relax % plain-TeX, first loading
138   \else
139     \def\empty{}%
140     \ifx\x\empty % LaTeX, first loading,
141       % variable is initialized, but \ProvidesPackage not yet seen
142     \else
143       \expandafter\ifx\csname PackageInfo\endcsname\relax
144         \def\x#1#2{%
145           \immediate\write-1{Package #1 Info: #2.}%
146         }%
147       \else
148         \def\x#1#2{\PackageInfo{#1}{#2, stopped}}%
149       \fi
150       \x{hologo}{The package is already loaded}%
151     \aftergroup\endinput
152   \fi

```

```

153 \fi
154 \endgroup%
Package identification:
155 \begingroup\catcode61\catcode48\catcode32=10\relax%
156 \catcode13=5 % ^~M
157 \endlinechar=13 %
158 \catcode35=6 % #
159 \catcode39=12 % '
160 \catcode40=12 % (
161 \catcode41=12 % )
162 \catcode44=12 % ,
163 \catcode45=12 % -
164 \catcode46=12 % .
165 \catcode47=12 % /
166 \catcode58=12 % :
167 \catcode64=11 % @
168 \catcode91=12 % [
169 \catcode93=12 % ]
170 \catcode123=1 % {
171 \catcode125=2 % }
172 \expandafter\ifx\csname ProvidesPackage\endcsname\relax
173 \def\x#1#2#3[#4]{\endgroup
174 \immediate\write-1{Package: #3 #4}%
175 \xdef#1{#4}%
176 }%
177 \else
178 \def\x#1#2[#3]{\endgroup
179 #2[#{#3}]%
180 \ifx#1\@undefined
181 \xdef#1{#3}%
182 \fi
183 \ifx#1\relax
184 \xdef#1{#3}%
185 \fi
186 }%
187 \fi
188 \expandafter\x\csname ver@hologo.sty\endcsname
189 \ProvidesPackage{hologo}%
190 [2012/04/26 v1.10 A logo collection with bookmark support (H0)]%
191 \begingroup\catcode61\catcode48\catcode32=10\relax%
192 \catcode13=5 % ^~M
193 \endlinechar=13 %
194 \catcode123=1 % {
195 \catcode125=2 % }
196 \catcode64=11 % @
197 \def\x{\endgroup
198 \expandafter\edef\csname HOLOGO@AtEnd\endcsname{%
199 \endlinechar=\the\endlinechar\relax
200 \catcode13=\the\catcode13\relax
201 \catcode32=\the\catcode32\relax
202 \catcode35=\the\catcode35\relax
203 \catcode61=\the\catcode61\relax
204 \catcode64=\the\catcode64\relax
205 \catcode123=\the\catcode123\relax
206 \catcode125=\the\catcode125\relax
207 }%
208 }%
209 \x\catcode61\catcode48\catcode32=10\relax%
210 \catcode13=5 % ^~M
211 \endlinechar=13 %
212 \catcode35=6 % #
213 \catcode64=11 % @

```

```

214 \catcode123=1 % {
215 \catcode125=2 % }
216 \def\TMP@EnsureCode#1#2{%
217   \edef\HOLOGO@AtEnd{%
218     \HOLOGO@AtEnd
219     \catcode#1=\the\catcode#1\relax
220   }%
221   \catcode#1=#2\relax
222 }
223 \TMP@EnsureCode{10}{12}% ^^J
224 \TMP@EnsureCode{33}{12}% !
225 \TMP@EnsureCode{34}{12}% "
226 \TMP@EnsureCode{36}{3}% $
227 \TMP@EnsureCode{38}{4}% &
228 \TMP@EnsureCode{39}{12}% '
229 \TMP@EnsureCode{40}{12}% (
230 \TMP@EnsureCode{41}{12}% )
231 \TMP@EnsureCode{42}{12}% *
232 \TMP@EnsureCode{43}{12}% +
233 \TMP@EnsureCode{44}{12}% ,
234 \TMP@EnsureCode{45}{12}% -
235 \TMP@EnsureCode{46}{12}% .
236 \TMP@EnsureCode{47}{12}% /
237 \TMP@EnsureCode{58}{12}% :
238 \TMP@EnsureCode{59}{12}% ;
239 \TMP@EnsureCode{60}{12}% <
240 \TMP@EnsureCode{62}{12}% >
241 \TMP@EnsureCode{63}{12}% ?
242 \TMP@EnsureCode{91}{12}% [
243 \TMP@EnsureCode{93}{12}% ]
244 \TMP@EnsureCode{94}{7}% ^ (superscript)
245 \TMP@EnsureCode{95}{8}% _ (subscript)
246 \TMP@EnsureCode{96}{12}% `
247 \TMP@EnsureCode{124}{12}% |
248 \edef\HOLOGO@AtEnd{%
249   \HOLOGO@AtEnd
250   \escapechar\the\escapechar\relax
251   \noexpand\endinput
252 }
253 \escapechar=92 %

```

## 2.1 Logo list

\hologoList

```

254 \def\hologoList{%
255   \hologoEntry{(La)TeX}{-}{2011/10/01}%
256   \hologoEntry{AmSLaTeX}{-}{2010/04/16}%
257   \hologoEntry{AmSTeX}{-}{2010/04/16}%
258   \hologoEntry{biber}{-}{2011/10/01}%
259   \hologoEntry{BibTeX}{-}{2011/10/01}%
260   \hologoEntry{BibTeX}{sf}{2011/10/01}%
261   \hologoEntry{BibTeX}{sc}{2011/10/01}%
262   \hologoEntry{BibTeX8}{-}{2011/11/22}%
263   \hologoEntry{ConTeXt}{-}{2011/03/25}%
264   \hologoEntry{ConTeXt}{narrow}{2011/03/25}%
265   \hologoEntry{ConTeXt}{simple}{2011/03/25}%
266   \hologoEntry{emTeX}{-}{2010/04/26}%
267   \hologoEntry{eTeX}{-}{2010/04/08}%
268   \hologoEntry{ExTeX}{-}{2011/10/01}%
269   \hologoEntry{HanTheThanh}{-}{2011/11/29}%
270   \hologoEntry{iniTeX}{-}{2011/10/01}%
271   \hologoEntry{KOMAScript}{-}{2011/10/01}%
272   \hologoEntry{La}{-}{2010/05/08}%

```

```

273 \hologoEntry{LaTeX}{-}{2010/04/08}%
274 \hologoEntry{LaTeX2e}{-}{2010/04/08}%
275 \hologoEntry{LaTeX3}{-}{2010/04/24}%
276 \hologoEntry{LaTeXe}{-}{2010/04/08}%
277 \hologoEntry{LaTeXML}{-}{2011/11/22}%
278 \hologoEntry{LaTeXTeX}{-}{2011/10/01}%
279 \hologoEntry{LuaLaTeX}{-}{2010/04/08}%
280 \hologoEntry{LuaTeX}{-}{2010/04/08}%
281 \hologoEntry{LyX}{-}{2011/10/01}%
282 \hologoEntry{METAFont}{-}{2011/10/01}%
283 \hologoEntry{MetaFun}{-}{2011/10/01}%
284 \hologoEntry{METAPOST}{-}{2011/10/01}%
285 \hologoEntry{MetaPost}{-}{2011/10/01}%
286 \hologoEntry{MiKTeX}{-}{2011/10/01}%
287 \hologoEntry{NTS}{-}{2011/10/01}%
288 \hologoEntry{OzMF}{-}{2011/10/01}%
289 \hologoEntry{OzMP}{-}{2011/10/01}%
290 \hologoEntry{OzTeX}{-}{2011/10/01}%
291 \hologoEntry{OzTtH}{-}{2011/10/01}%
292 \hologoEntry{PCTeX}{-}{2011/10/01}%
293 \hologoEntry{pdfTeX}{-}{2011/10/01}%
294 \hologoEntry{pdfLaTeX}{-}{2011/10/01}%
295 \hologoEntry{Pic}{-}{2011/10/01}%
296 \hologoEntry{PiCTeX}{-}{2011/10/01}%
297 \hologoEntry{plainTeX}{-}{2010/04/08}%
298 \hologoEntry{plainTeX}{space}{2010/04/16}%
299 \hologoEntry{plainTeX}{hyphen}{2010/04/16}%
300 \hologoEntry{plainTeX}{runtogether}{2010/04/16}%
301 \hologoEntry{SageTeX}{-}{2011/11/22}%
302 \hologoEntry{SLiTeX}{-}{2011/10/01}%
303 \hologoEntry{SLiTeX}{lift}{2011/10/01}%
304 \hologoEntry{SLiTeX}{narrow}{2011/10/01}%
305 \hologoEntry{SLiTeX}{simple}{2011/10/01}%
306 \hologoEntry{SliTeX}{-}{2011/10/01}%
307 \hologoEntry{SliTeX}{narrow}{2011/10/01}%
308 \hologoEntry{SliTeX}{simple}{2011/10/01}%
309 \hologoEntry{SliTeX}{lift}{2011/10/01}%
310 \hologoEntry{teTeX}{-}{2011/10/01}%
311 \hologoEntry{TeX}{-}{2010/04/08}%
312 \hologoEntry{TeX4ht}{-}{2011/11/22}%
313 \hologoEntry{TTH}{-}{2011/11/22}%
314 \hologoEntry{virTeX}{-}{2011/10/01}%
315 \hologoEntry{VTeX}{-}{2010/04/24}%
316 \hologoEntry{Xe}{-}{2010/04/08}%
317 \hologoEntry{XeLaTeX}{-}{2010/04/08}%
318 \hologoEntry{XeTeX}{-}{2010/04/08}%
319 }

```

## 2.2 Load resources

```

320 \begingroup\expandafter\expandafter\expandafter\endgroup
321 \expandafter\ifx\csname RequirePackage\endcsname\relax
322 \def\TMP@RequirePackage#1[#2]{%
323 \begingroup\expandafter\expandafter\expandafter\endgroup
324 \expandafter\ifx\csname ver@#1.sty\endcsname\relax
325 \input #1.sty\relax
326 \fi
327 }%
328 \TMP@RequirePackage{ltxcmds}[2011/02/04]%
329 \TMP@RequirePackage{infwarerr}[2010/04/08]%
330 \TMP@RequirePackage{kvsetkeys}[2010/03/01]%
331 \TMP@RequirePackage{kvdefinekeys}[2010/03/01]%

```

```

332 \TMP@RequirePackage{pdftexcmds}[2010/04/01]%
333 \TMP@RequirePackage{ifpdf}[2010/01/28]%
334 \TMP@RequirePackage{ifluatex}[2010/03/01]%
335 \ltx@ifundefined{newif}{%
336   \expandafter\let\csname newif\endcsname\ltx@newif
337 }{%}%
338 \TMP@RequirePackage{ifxetex}[2009/01/23]%
339 \TMP@RequirePackage{ifvtex}[2010/03/01]%
340 \else
341   \RequirePackage{ltxcmds}[2011/02/04]%
342   \RequirePackage{infwarerr}[2010/04/08]%
343   \RequirePackage{kvsetkeys}[2010/03/01]%
344   \RequirePackage{kvdefinekeys}[2010/03/01]%
345   \RequirePackage{pdftexcmds}[2010/04/01]%
346   \RequirePackage{ifpdf}[2010/01/28]%
347   \RequirePackage{ifluatex}[2010/03/01]%
348   \RequirePackage{ifxetex}[2009/01/23]%
349   \RequirePackage{ifvtex}[2010/03/01]%
350 \fi
\Hologo@ifdefined
351 \def\Hologo@ifexists#1{%
352   \ifx\@undefined#1%
353     \expandafter\ltx@secondoftwo
354   \else
355     \ifx\relax#1%
356       \expandafter\ltx@secondoftwo
357     \else
358       \expandafter\expandafter\expandafter\ltx@firstoftwo
359     \fi
360   \fi
361 }

```

## 2.3 Setup macros

```

\hologoSetup
362 \def\hologoSetup{%
363   \let\Hologo@name\relax
364   \Hologo@Setup
365 }

\hologoLogoSetup
366 \def\hologoLogoSetup#1{%
367   \edef\Hologo@name{#1}%
368   \ltx@ifundefined{HoLogo@\Hologo@name}{%
369     \@PackageError{hologo}{%
370       Unknown logo ``\Hologo@name'%
371     }\@ehc
372     \ltx@gobble
373   }{%
374     \Hologo@Setup
375   }%
376 }

\Hologo@Setup
377 \def\Hologo@Setup{%
378   \kvsetkeys{HoLogo}%
379 }

```

## 2.4 Options

```

\Hologo@DeclareBoolOption

```

```

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

```

\HOLGO@SetBreakAll

```

410 \def\HOLGO@SetBreakAll#1{%
411   \def\HOLGO@temp{#1}%
412   \ifx\HOLGO@temp\HOLGO@break
413     \ifx\HOLGO@name\relax
414       \chardef\HOLGOOPT@hyphenbreak=\HOLGOOPT@break
415       \chardef\HOLGOOPT@spacebreak=\HOLGOOPT@break
416       \chardef\HOLGOOPT@discretionarybreak=\HOLGOOPT@break
417     \else
418       \expandafter\chardef
419         \csname HoLogoOpt@hyphenbreak@\HOLGO@name\endcsname=%
420       \csname HoLogoOpt@break@\HOLGO@name\endcsname
421     \expandafter\chardef
422       \csname HoLogoOpt@spacebreak@\HOLGO@name\endcsname=%
423     \csname HoLogoOpt@break@\HOLGO@name\endcsname
424     \expandafter\chardef
425       \csname HoLogoOpt@discretionarybreak@\HOLGO@name
426       \endcsname=%
427     \csname HoLogoOpt@break@\HOLGO@name\endcsname
428   \fi
429 \fi
430 }

```

\HOLGO@true

```

431 \def\HOLGO@true{true}

```

\HOLGO@false

```

432 \def\HOLGO@false{false}

```

\HOLGO@break

```

433 \def\HOLGO@break{break}

```

```

434 \Hologo@DeclareBoolOption{break}
435 \Hologo@DeclareBoolOption{hyphenbreak}
436 \Hologo@DeclareBoolOption{spacebreak}
437 \Hologo@DeclareBoolOption{discretionarybreak}

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

```

\Hologo@Variant

```

463 \def\Hologo@Variant#1{%
464   #1%
465   \ltx@ifundefined{HoLogoOpt@variant@#1}{%
466     }{%
467       @\csname HoLogoOpt@variant@#1\endcsname
468     }%
469 }

```

## 2.5 Break/no-break support

\Hologo@space

```

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

```

\Hologo@hyphen

```

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

```

\HOLGO@discretionary

```

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

```

\HOLGO@mbox

```

522 \def\HOLGO@mbox#1{%
523   \ltx@ifundefined{HoLogoOpt@break@\HOLGO@name}{%
524     \chardef\HOLGO@temp=\HOLGOOPT@hyphenbreak
525   }{%
526     \chardef\HOLGO@temp=%
527     \csname HoLogoOpt@break@\HOLGO@name\endcsname
528   }%
529   \ifcase\HOLGO@temp
530     \ltx@mbox{#1}%
531   \else
532     #1%
533   \fi
534 }

```

## 2.6 Font support

\HoLogoFont@font #1: logo name  
#2: font short name  
#3: text

```

535 \def\HoLogoFont@font#1#2#3{%
536   \begin{group}
537     \ltx@ifundefined{HoLogoFont@logo@#1.#2}{%
538       \ltx@ifundefined{HoLogoFont@font@#2}{%

```



```

539      \@PackageWarning{hologo}{%
540      Missing font `#2' for logo `#1'%
541      }%
542      #3%
543      }{%
544      \csname HoLogoFont@font@#2\endcsname{#3}%
545      }%
546      }{%
547      \csname HoLogoFont@logo@#1.#2\endcsname{#3}%
548      }%
549      \endgroup
550 }

```

\HoLogoFont@Def

```

551 \def\HoLogoFont@Def#1{%
552   \expandafter\def\csname HoLogoFont@font@#1\endcsname
553 }

```

\HoLogoFont@LogoDef

```

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

```

## 2.6.1 Font defaults

\HoLogoFont@font@general

```

557 \HoLogoFont@Def{general}{}%

```

\HoLogoFont@font@rm

```

558 \ltx@ifundefined{rmfamily}{%
559   \ltx@ifundefined{rm}{%
560     }{%
561       \HoLogoFont@Def{rm}{\rm}%
562     }%
563   }{%
564     \HoLogoFont@Def{rm}{\rmfamily}%
565   }

```

\HoLogoFont@font@sf

```

566 \ltx@ifundefined{sffamily}{%
567   \ltx@ifundefined{sf}{%
568     }{%
569       \HoLogoFont@Def{sf}{\sf}%
570     }%
571   }{%
572     \HoLogoFont@Def{sf}{\sffamily}%
573   }

```

\HoLogoFont@font@bbsf 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
    }

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

\HoLogoFont@font@sc

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

\HoLogoFont@font@sy

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

\HoLogoFont@font@logo

606 \begingroup
607   \def\x{LaTeX2e}%
608   \expandafter\endgroup
609   \ifx\fmtname\x
610     \ltx@ifundefined{logofamily}{%
611       \DeclareRobustCommand\logofamily{%
612         \not@math@alphabet\logofamily\relax
613         \fontencoding{U}%
614         \fontfamily{logo}%
615         \selectfont
616       }%
617     }{%
618       \ltx@ifundefined{logofamily}{%
619         }{%
620           \HoLogoFont@Def{logo}{\logofamily}%
621         }%
622     } \else
623       \ltx@ifundefined{tenlogo}{%

```

```

624 \font\tenlogo=logo10\relax
625 }{}%
626 \HoLogoFont@Def{logo}{\tenlogo}%
627 \fi

```

## 2.6.2 Font setup

\hologoFontSetup

```

628 \def\hologoFontSetup{%
629 \let\HOLOGO@name\relax
630 \HOLOGO@FontSetup
631 }

```

\hologoLogoFontSetup

```

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

```

\HOLOGO@FontSetup

```

643 \def\HOLOGO@FontSetup{%
644 \kvsetkeys{HoLogoFont}%
645 }

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

655 \HOLOGO@temp{general}
656 \HOLOGO@temp{sf}

```

## 2.7 Generic logo commands

```

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

```

### 2.7.1 \hologo and friends

```

671 \ifluatex

```

```

672 \expandafter\ltx@firstofone
673 \else
674 \expandafter\ltx@gobble
675 \fi
676 {%
677 \ltx@ifundefined{ifincsname}{%
678 \ifnum\luatexversion<36 %
679 \expandafter\ltx@gobble
680 \else
681 \expandafter\ltx@firstofone
682 \fi
683 {%
684 \begingroup
685 \ifcase0%
686 \directlua{%
687 if tex.enableprimitives then %
688 tex.enableprimitives('HOLOGO@', {'ifincsname'})%
689 else %
690 tex.print('1')%
691 end%
692 }%
693 \ifx\HOLOGO@ifincsname\@undefined 1\fi%
694 \relax
695 \expandafter\ltx@firstofone
696 \else
697 \endgroup
698 \expandafter\ltx@gobble
699 \fi
700 {%
701 \global\let\ifincsname\HOLOGO@ifincsname
702 }%
703 \HOLOGO@temp
704 }%
705 }{}%
706 }

707 \ltx@ifundefined{ifincsname}{%
708 \catcode`\$=14 %
709 }{%
710 \catcode`\$=9 %
711 }

\hologo

712 \def\hologo#1{%
713 \$ \ifincsname
714 \$ \ltx@ifundefined{HoLogoCs@\HOLOGO@Variant{#1}}{%
715 \$ #1%
716 \$ }{%
717 \$ \csname HoLogoCs@\HOLOGO@Variant{#1}\endcsname\ltx@firstoftwo
718 \$ }%
719 \$ \else
720 \HOLOGO@ifexists\texorpdfstring\texorpdfstring\ltx@firstoftwo
721 {%
722 \hologoRobust{#1}%
723 }{%
724 \ltx@ifundefined{HoLogoBkm@\HOLOGO@Variant{#1}}{%
725 \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
726 }{%
727 \csname HoLogoBkm@\HOLOGO@Variant{#1}\endcsname
728 \ltx@firstoftwo
729 }%
730 }%
731 \$ \fi
732 }

```

\Hologo

```
733 \def\Hologo#1{%
734 $ \ifincsname
735 $ \ltx@ifundefined{HoLogoCs@\HOLOGO@Variant{#1}}{%
736 $ #1%
737 $ }{%
738 $ \csname HoLogoCs@\HOLOGO@Variant{#1}\endcsname\ltx@secondoftwo
739 $ }%
740 $ \else
741 \HOLOGO@IfExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
742 {%
743 \HologoRobust{#1}%
744 }{%
745 \ltx@ifundefined{HoLogoBkm@\HOLOGO@Variant{#1}}{%
746 \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
747 }{%
748 \csname HoLogoBkm@\HOLOGO@Variant{#1}\endcsname
749 \ltx@secondoftwo
750 }%
751 }%
752 $ \fi
753 }
```

\hologoVariant

```
754 \def\hologoVariant#1#2{%
755 \ifx\relax#2\relax
756 \hologo{#1}%
757 \else
758 $ \ifincsname
759 $ \ltx@ifundefined{HoLogoCs@#1@#2}{%
760 $ #1%
761 $ }{%
762 $ \csname HoLogoCs@#1@#2\endcsname\ltx@firstoftwo
763 $ }%
764 $ \else
765 \HOLOGO@IfExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
766 {%
767 \hologoVariantRobust{#1}{#2}%
768 }{%
769 \ltx@ifundefined{HoLogoBkm@#1@#2}{%
770 \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
771 }{%
772 \csname HoLogoBkm@#1@#2\endcsname
773 \ltx@firstoftwo
774 }%
775 }%
776 $ \fi
777 \fi
778 }
```

\HologoVariant

```
779 \def\HologoVariant#1#2{%
780 \ifx\relax#2\relax
781 \Hologo{#1}%
782 \else
783 $ \ifincsname
784 $ \ltx@ifundefined{HoLogoCs@#1@#2}{%
785 $ #1%
786 $ }{%
787 $ \csname HoLogoCs@#1@#2\endcsname\ltx@secondoftwo
788 $ }%
789 $ \else
```

```

790 \HOLOGO@IfExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
791 {%
792 \HologoVariantRobust{#1}{#2}%
793 }{%
794 \ltx@ifundefined{HoLogoBkm@#1@#2}{%
795 \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
796 }{%
797 \csname HoLogoBkm@#1@#2\endcsname
798 \ltx@secondoftwo
799 }%
800 }%
801 $ \fi
802 \fi
803 }

804 \catcode`\$=3 %

```

## 2.7.2 \hologoRobust and friends

\hologoRobust

```

805 \ltx@ifundefined{protected}{%
806 \ltx@ifundefined{DeclareRobustCommand}{%
807 \def\hologoRobust#1%
808 }{%
809 \DeclareRobustCommand*\hologoRobust[1]%
810 }%
811 }{%
812 \protected\def\hologoRobust#1%
813 }%
814 {%
815 \edef\HOLOGO@name{#1}%
816 \ltx@ifundefined{HoLogo@\HOLOGO@Variant\HOLOGO@name}{%
817 \@PackageError{hologo}{%
818 Unknown logo '\HOLOGO@name'%
819 }\@ehc
820 ?\HOLOGO@name?%
821 }{%
822 \ltx@ifundefined{ver@tex4ht.sty}{%
823 \HoLogoFont@font\HOLOGO@name{general}{%
824 \csname HoLogo@\HOLOGO@Variant\HOLOGO@name\endcsname
825 \ltx@firstoftwo
826 }%
827 }{%
828 \ltx@ifundefined{HoLogoHtml@\HOLOGO@Variant\HOLOGO@name}{%
829 \HOLOGO@name
830 }{%
831 \csname HoLogoHtml@\HOLOGO@Variant\HOLOGO@name\endcsname
832 \ltx@firstoftwo
833 }%
834 }%
835 }%
836 }

```

\HologoRobust

```

837 \ltx@ifundefined{protected}{%
838 \ltx@ifundefined{DeclareRobustCommand}{%
839 \def\HologoRobust#1%
840 }{%
841 \DeclareRobustCommand*\HologoRobust[1]%
842 }%
843 }{%
844 \protected\def\HologoRobust#1%
845 }%

```

```

846 {%
847   \edef\HOLOGO@name{#1}%
848   \ltx@ifundefined{HoLogo@\HOLOGO@Variant\HOLOGO@name}{%
849     \@PackageError{hologo}{%
850       Unknown logo `\'HOLOGO@name'%
851     }\@ehc
852     ?\HOLOGO@name?%
853   }{%
854     \ltx@ifundefined{ver@tex4ht.sty}{%
855       \HoLogoFont@font\HOLOGO@name{general}{%
856         \csname HoLogo@\HOLOGO@Variant\HOLOGO@name\endcsname
857         \ltx@secondoftwo
858       }%
859     }{%
860       \ltx@ifundefined{HoLogoHtml@\HOLOGO@Variant\HOLOGO@name}{%
861         \expandafter\HOLOGO@Uppercase\HOLOGO@name
862       }{%
863         \csname HoLogoHtml@\HOLOGO@Variant\HOLOGO@name\endcsname
864         \ltx@secondoftwo
865       }%
866     }%
867   }%
868 }

```

`\hologoVariantRobust`

```

869 \ltx@ifundefined{protected}{%
870   \ltx@ifundefined{DeclareRobustCommand}{%
871     \def\hologoVariantRobust#1#2%
872   }{%
873     \DeclareRobustCommand*\hologoVariantRobust[2]%
874   }%
875 }{%
876   \protected\def\hologoVariantRobust#1#2%
877 }%
878 {%
879   \begingroup
880     \hologoLogoSetup{#1}{variant={#2}}%
881     \hologoRobust{#1}%
882   \endgroup
883 }

```

`\HologoVariantRobust`

```

884 \ltx@ifundefined{protected}{%
885   \ltx@ifundefined{DeclareRobustCommand}{%
886     \def\HologoVariantRobust#1#2%
887   }{%
888     \DeclareRobustCommand*\HologoVariantRobust[2]%
889   }%
890 }{%
891   \protected\def\HologoVariantRobust#1#2%
892 }%
893 {%
894   \begingroup
895     \hologoLogoSetup{#1}{variant={#2}}%
896     \HologoRobust{#1}%
897   \endgroup
898 }

```

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

```

899 \def\hologorobust{\hologoRobust}

```

## 2.8 Helpers

`\HOLOGO@Uppercase` Macro `\HOLOGO@Uppercase` is restricted to `\uppercase`, because plain  $\text{\TeX}$  or  $\text{\iniTeX}$  do not provide `\MakeUppercase`.

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

`\HOLOGO@PdfdocUnicode`

```
901 \def\HOLOGO@PdfdocUnicode{%
902   \ifx\ifHy@unicode\iftrue
903     \expandafter\ltx@secondoftwo
904   \else
905     \expandafter\ltx@firstoftwo
906   \fi
907 }
```

`\HOLOGO@Math`

```
908 \def\HOLOGO@MathSetup{%
909   \mathsurround0pt\relax
910   \HOLOGO@IfExists\series{%
911     \if b\expandafter\ltx@car\series x\@nil
912       \csname boldmath\endcsname
913     \fi
914   }{%
915 }
```

`\HOLOGO@TempDimen`

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

`\HOLOGO@NegativeKerning`

```
917 \def\HOLOGO@NegativeKerning#1{%
918   \begingroup
919     \HOLOGO@TempDimen=0pt\relax
920     \comma@parse@normalized{#1}{%
921       \ifdim\HOLOGO@TempDimen=0pt %
922         \expandafter\HOLOGO@@NegativeKerning\comma@entry
923       \fi
924       \ltx@gobble
925     }%
926     \ifdim\HOLOGO@TempDimen<0pt %
927       \kern\HOLOGO@TempDimen
928     \fi
929   \endgroup
930 }
```

`\HOLOGO@@NegativeKerning`

```
931 \def\HOLOGO@@NegativeKerning#1#2{%
932   \setbox\ltx@zero\hbox{#1#2}%
933   \HOLOGO@TempDimen=\wd\ltx@zero
934   \setbox\ltx@zero\hbox{#1\kern0pt#2}%
935   \advance\HOLOGO@TempDimen by -\wd\ltx@zero
936 }
```

`\HOLOGO@SpaceFactor`

```
937 \def\HOLOGO@SpaceFactor{%
938   \spacefactor1000 %
939 }
```

`\HOLOGO@Span`

```
940 \def\HOLOGO@Span#1#2{%
941   \HCode{<span class="HoLogo-#1">}%
942   #2%
943   \HCode{</span>}%
944 }
```



## 2.8.1 Text subscript

`\HOLOGO@SubScript`

```
945 \def\HOLOGO@SubScript#1{%
946   \ltx@ifundefined{textsubscript}{%
947     \ltx@ifundefined{text}{%
948       \ltx@mbox{%
949         \mathsurround=0pt\relax
950         $%
951         _{%
952           \ltx@ifundefined{sf@size}{%
953             \mathrm{#1}%
954           }{%
955             \mbox{%
956               \fontsize\sf@size{0pt}\selectfont
957               #1%
958             }%
959           }%
960         }%
961         $%
962       }%
963     }{%
964       \ltx@mbox{%
965         \mathsurround=0pt\relax
966         $_{\text{#1}}$%
967       }%
968     }%
969   }{%
970     \textsubscript{#1}%
971   }%
972 }
```

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

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

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

```
973 \def\HoLogo@TeX#1{%
974   T\kern-.1667em\lower.5ex\hbox{E}\kern-.125emX\HOLOGO@SpaceFactor
975 }
```

`\HoLogoHtml@TeX`

```
976 \def\HoLogoHtml@TeX#1{%
977   \HoLogoCss@TeX
978   \HOLOGO@Span{TeX}{%
979     T%
980     \HOLOGO@Span{e}{%
981       E%
982     }%
983     X%
984   }%
985 }
```

`\HoLogoCss@TeX`

```
986 \def\HoLogoCss@TeX{%
987   \Css{%
988     span.HoLogo-TeX span.HoLogo-e{%
989       position:relative;%
990       top:.5ex;%
991       margin-left:-.1667em;%
992       margin-right:-.125em;%
993     }%
994   }
```

```

994 }%
995 \Css{%
996     a span.HoLogo-TeX span.HoLogo-e{%
997         text-decoration:none;%
998     }%
999 }%
1000 \global\let\HoLogoCss@TeX\relax
1001 }

```

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

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

```

1002 \def\HoLogo@plainTeX@space#1{%
1003     \HOLOGO@mbbox{#1{p}{P}lain}\HOLOGO@space\hologo{TeX}%
1004 }

```

\HoLogoCs@plainTeX@space

```

1005 \def\HoLogoCs@plainTeX@space#1{#1{p}{P}lain TeX}%

```

\HoLogoBkm@plainTeX@space

```

1006 \def\HoLogoBkm@plainTeX@space#1{%
1007     #1{p}{P}lain \hologo{TeX}%
1008 }

```

\HoLogoHtml@plainTeX@space

```

1009 \def\HoLogoHtml@plainTeX@space#1{%
1010     #1{p}{P}lain \hologo{TeX}%
1011 }

```

\HoLogo@plainTeX@hyphen

```

1012 \def\HoLogo@plainTeX@hyphen#1{%
1013     \HOLOGO@mbbox{#1{p}{P}lain}\HOLOGO@hyphen\hologo{TeX}%
1014 }

```

\HoLogoCs@plainTeX@hyphen

```

1015 \def\HoLogoCs@plainTeX@hyphen#1{#1{p}{P}lain-TeX}

```

\HoLogoBkm@plainTeX@hyphen

```

1016 \def\HoLogoBkm@plainTeX@hyphen#1{%
1017     #1{p}{P}lain-\hologo{TeX}%
1018 }

```

\HoLogoHtml@plainTeX@hyphen

```

1019 \def\HoLogoHtml@plainTeX@hyphen#1{%
1020     #1{p}{P}lain-\hologo{TeX}%
1021 }

```

\HoLogo@plainTeX@runtogether

```

1022 \def\HoLogo@plainTeX@runtogether#1{%
1023     \HOLOGO@mbbox{#1{p}{P}lain\hologo{TeX}}%
1024 }

```

\HoLogoCs@plainTeX@runtogether

```

1025 \def\HoLogoCs@plainTeX@runtogether#1{#1{p}{P}lainTeX}

```

\HoLogoBkm@plainTeX@runtogether

```

1026 \def\HoLogoBkm@plainTeX@runtogether#1{%
1027     #1{p}{P}lain\hologo{TeX}%
1028 }

```

LogoHtml@plainTeX@runtogether

```
1029 \def\HoLogoHtml@plainTeX@runtogether#1{%  
1030   #1{p}{P}lain\hologo{TeX}%  
1031 }
```

\HoLogo@plainTeX

```
1032 \def\HoLogo@plainTeX{\HoLogo@plainTeX@space}
```

\HoLogoCs@plainTeX

```
1033 \def\HoLogoCs@plainTeX{\HoLogoCs@plainTeX@space}
```

\HoLogoBkm@plainTeX

```
1034 \def\HoLogoBkm@plainTeX{\HoLogoBkm@plainTeX@space}
```

\HoLogoHtml@plainTeX

```
1035 \def\HoLogoHtml@plainTeX{\HoLogoHtml@plainTeX@space}
```

### 2.9.3 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

```
1036 \def\HoLogo@La#1{%  
1037   L%  
1038   \kern-.36em%  
1039   \begingroup  
1040     \setbox\ltx@zero\hbox{T}%  
1041     \vbox to\ht\ltx@zero{%  
1042       \hbox{%  
1043         \ltx@ifundefined{check@mathfonts}{%  
1044           \csname sevenrm\endcsname  
1045         }{%  
1046           \check@mathfonts  
1047           \fontsize\sf@size{0pt}%  
1048           \math@fontsfalse\selectfont  
1049         }%  
1050         A%  
1051       }%  
1052       \vss  
1053     }%  
1054   \endgroup  
1055 }
```

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

```
1056 \def\HoLogo@LaTeX#1{%
1057   \hologo{La}%
1058   \kern-.15em%
1059   \hologo{TeX}%
1060 }
```

\HoLogoHtml@LaTeX

```
1061 \def\HoLogoHtml@LaTeX#1{%
1062   \HoLogoCss@LaTeX
1063   \Hologo@Span{LaTeX}{%
1064     L%
1065     \Hologo@Span{a}{%
1066       A%
1067     }%
1068     \hologo{TeX}%
1069   }%
1070 }
```

\HoLogoCss@LaTeX

```
1071 \def\HoLogoCss@LaTeX{%
1072   \Css{%
1073     span.HoLogo-LaTeX span.HoLogo-a{%
1074       position:relative;%
1075       top:-.5ex;%
1076       margin-left:-.36em;%
1077       margin-right:-.15em;%
1078       font-size:85\%;%
1079     }%
1080   }%
1081   \global\let\HoLogoCss@LaTeX\relax
1082 }
```

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

\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
}
```

```

1083 \def\HoLogo@LaTeXTeX#1{%
1084   (%)
1085   \kern-.15em%
1086   \hologo{La}%
1087   \kern-.2em%
1088   )%
1089   \kern-.15em%
1090   \hologo{TeX}%
1091 }

\HoLogoBkm@LaTeXTeX

1092 \def\HoLogoBkm@LaTeXTeX#1{(La)TeX}

\HoLogo@{(La)TeX

1093 \expandafter
1094 \let\csname HoLogo@{(La)TeX\endcsname\HoLogo@LaTeXTeX

\HoLogoBkm@{(La)TeX

1095 \expandafter
1096 \let\csname HoLogoBkm@{(La)TeX\endcsname\HoLogoBkm@LaTeXTeX

\HoLogoHtml@LaTeXTeX

1097 \def\HoLogoHtml@LaTeXTeX#1{%
1098   \HoLogoCss@LaTeXTeX
1099   \Hologo@Span{LaTeXTeX}{%
1100     (%)
1101     \Hologo@Span{L}{L}%
1102     \Hologo@Span{a}{A}%
1103     \Hologo@Span{ParenRight}{})}%
1104     \hologo{TeX}%
1105   }%
1106 }

\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.

1107 \expandafter
1108 \let\csname HoLogoHtml@{(La)TeX\endcsname\HoLogoHtml@LaTeXTeX

\HoLogoCss@LaTeXTeX

1109 \def\HoLogoCss@LaTeXTeX{%
1110   \Css{%
1111     span.HoLogo-LaTeXTeX span.HoLogo-L{%
1112       margin-left:-.1em;%
1113     }%
1114   }%
1115   \Css{%
1116     span.HoLogo-LaTeXTeX span.HoLogo-a{%
1117       position:relative;%
1118       top:-.5ex;%
1119       margin-left:-.36em;%
1120       margin-right:-.1em;%
1121       font-size:85\%;%
1122     }%
1123   }%
1124   \Css{%
1125     span.HoLogo-LaTeXTeX span.HoLogo-ParenRight{%
1126       margin-right:-.15em;%
1127     }%
1128   }%
1129   \global\let\HoLogoCss@LaTeXTeX\relax
1130 }

```

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

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

```

1131 \def\HoLogo@LaTeXe#1{%
1132   \hologo{LaTeX}%
1133   \kern.15em%
1134   \hbox{%
1135     \HOLOGO@MathSetup
1136     2%
1137     $_{\textstyle\varepsilon}$%
1138   }%
1139 }
```

\HoLogoCs@LaTeXe

```

1140 \ifnum64=\^^^0040\relax % test for big chars of LuaTeX/XeTeX
1141   \catcode`\$=9 %
1142   \catcode`\&=14 %
1143 \else
1144   \catcode`\$=14 %
1145   \catcode`\&=9 %
1146 \fi
1147 \def\HoLogoCs@LaTeXe#1{%
1148   LaTeX2%
1149 $ \string \^^^0395%
1150 & e%
1151 }%
1152 \catcode`\$=3 %
1153 \catcode`\&=4 %
```

\HoLogoBkm@LaTeXe

```

1154 \def\HoLogoBkm@LaTeXe#1{%
1155   \hologo{LaTeX}%
1156   2%
1157   \HOLOGO@PdfdocUnicode{e}{\textepsilon}%
1158 }
```

\HoLogoHtml@LaTeXe

```

1159 \def\HoLogoHtml@LaTeXe#1{%
1160   \HoLogoCs@LaTeXe
1161   \HOLOGO@Span{LaTeX2e}{%
1162     \hologo{LaTeX}%
1163     \HOLOGO@Span{2}{2}%
1164     \HOLOGO@Span{e}{%
1165       \HOLOGO@MathSetup
1166       \ensuremath{\textstyle\varepsilon}%
1167     }%
1168   }%
1169 }
```

\HoLogoCss@LaTeXe

```

1170 \def\HoLogoCss@LaTeXe{%
1171   \Css{%
1172     span.HoLogo-LaTeX2e span.HoLogo-2{%
1173       padding-left:.15em;%
1174     }%
1175   }%
1176   \Css{%
1177     span.HoLogo-LaTeX2e span.HoLogo-e{%
1178       position:relative;%
1179       top:.35ex;%
1180       text-decoration:none;%
1181     }%
1182   }
```

```

1182 }%
1183 \global\let\HoLogoCss@LaTeXe\relax
1184 }

```

\HoLogo@LaTeX2e

```

1185 \expandafter
1186 \let\csname HoLogo@LaTeX2e\endcsname\HoLogo@LaTeXe

```

\HoLogoCs@LaTeX2e

```

1187 \expandafter
1188 \let\csname HoLogoCs@LaTeX2e\endcsname\HoLogoCs@LaTeXe

```

\HoLogoBkm@LaTeX2e

```

1189 \expandafter
1190 \let\csname HoLogoBkm@LaTeX2e\endcsname\HoLogoBkm@LaTeXe

```

\HoLogoHtml@LaTeX2e

```

1191 \expandafter
1192 \let\csname HoLogoHtml@LaTeX2e\endcsname\HoLogoHtml@LaTeXe

```

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

\HoLogo@LaTeX3 Source: L<sup>A</sup>T<sub>E</sub>X kernel

```

1193 \expandafter\def\csname HoLogo@LaTeX3\endcsname#1{%
1194   \hologo{LaTeX}%
1195   3%
1196 }

```

\HoLogoBkm@LaTeX3

```

1197 \expandafter\def\csname HoLogoBkm@LaTeX3\endcsname#1{%
1198   \hologo{LaTeX}%
1199   3%
1200 }

```

\HoLogoHtml@LaTeX3

```

1201 \expandafter
1202 \let\csname HoLogoHtml@LaTeX3\expandafter\endcsname
1203 \csname HoLogo@LaTeX3\endcsname

```

### 2.9.7 L<sup>A</sup>T<sub>E</sub>xml

\HoLogo@LaTeXML

```

1204 \def\HoLogo@LaTeXML#1{%
1205   \HOLOGO@mbbox{%
1206     \hologo{La}%
1207     \kern-.15em%
1208     T%
1209     \kern-.1667em%
1210     \lower.5ex\hbox{E}%
1211     \kern-.125em%
1212     \HoLogoFont@font{LaTeXML}{sc}{xml}%
1213   }%
1214 }

```

\HoLogoHtml@pdfLaTeX

```

1215 \def\HoLogoHtml@LaTeXML#1{%
1216   \HOLOGO@Span{LaTeXML}{%
1217     \HoLogoCss@LaTeX
1218     \HoLogoCss@TeX
1219     \HOLOGO@Span{LaTeX}{%
1220       L%

```

```

1221      \HOLOGO@Span{a}{%
1222      A%
1223      }%
1224      }%
1225      \HOLOGO@Span{TeX}{%
1226      T%
1227      \HOLOGO@Span{e}{%
1228      E%
1229      }%
1230      }%
1231      \HCode{<span style="font-variant: small-caps;">}%
1232      xml%
1233      \HCode{</span>}%
1234      }%
1235      }

```

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

\HoLogo@eTeX Source: package etex

```

1236 \def\HoLogo@eTeX#1{%
1237   \ltx@mbox{%
1238     \HOLOGO@MathSetup
1239     $\varepsilon$%
1240     -%
1241     \HOLOGO@NegativeKerning{-T,T-,To}%
1242     \hologo{TeX}%
1243   }%
1244 }

```

\HoLogoCs@eTeX

```

1245 \ifnum64=\^^^0040\relax % test for big chars of LuaTeX/XeTeX
1246   \catcode`\$=9 %
1247   \catcode`\&=14 %
1248 \else
1249   \catcode`\$=14 %
1250   \catcode`\&=9 %
1251 \fi
1252 \def\HoLogoCs@eTeX#1{%
1253   $ #1{\string ~~~~0395}{\string ~~~~03b5}%
1254   & #1{e}{E}%
1255   TeX%
1256 }%
1257 \catcode`\$=3 %
1258 \catcode`\&=4 %

```

\HoLogoBkm@eTeX

```

1259 \def\HoLogoBkm@eTeX#1{%
1260   \HOLOGO@PdfdocUnicode{#1{e}{E}}{\textepsilon}%
1261   -%
1262   \hologo{TeX}%
1263 }

```

\HoLogoHtml@eTeX

```

1264 \def\HoLogoHtml@eTeX#1{%
1265   \ltx@mbox{%
1266     \HOLOGO@MathSetup
1267     $\varepsilon$%
1268     -%
1269     \hologo{TeX}%
1270   }%
1271 }

```



### 2.9.9 iniTeX

\HoLogo@iniTeX

```
1272 \def\HoLogo@iniTeX#1{%
1273   \HOLOGO@mbbox{%
1274     #1{i}{I}ni\hologo{TeX}%
1275   }%
1276 }
```

\HoLogoCs@iniTeX

```
1277 \def\HoLogoCs@iniTeX#1{#1{i}{I}niTeX}
```

\HoLogoBkm@iniTeX

```
1278 \def\HoLogoBkm@iniTeX#1{%
1279   #1{i}{I}ni\hologo{TeX}%
1280 }
```

\HoLogoHtml@iniTeX

```
1281 \let\HoLogoHtml@iniTeX\HoLogo@iniTeX
```

### 2.9.10 virTeX

\HoLogo@virTeX

```
1282 \def\HoLogo@virTeX#1{%
1283   \HOLOGO@mbbox{%
1284     #1{v}{V}ir\hologo{TeX}%
1285   }%
1286 }
```

\HoLogoCs@virTeX

```
1287 \def\HoLogoCs@virTeX#1{#1{v}{V}irTeX}
```

\HoLogoBkm@virTeX

```
1288 \def\HoLogoBkm@virTeX#1{%
1289   #1{v}{V}ir\hologo{TeX}%
1290 }
```

\HoLogoHtml@virTeX

```
1291 \let\HoLogoHtml@virTeX\HoLogo@virTeX
```

### 2.9.11 SLiTeX

Definitions of the three variants.

\HoLogo@SLiTeX@lift

```
1292 \def\HoLogo@SLiTeX@lift#1{%
1293   \HoLogoFont@font{SLiTeX}{rm}{%
1294     S%
1295     \kern-.06em%
1296     L%
1297     \kern-.18em%
1298     \raise.32ex\hbox{\HoLogoFont@font{SLiTeX}{sc}{i}}%
1299     \HOLOGO@discretionary
1300     \kern-.06em%
1301     \hologo{TeX}%
1302   }%
1303 }
```

\HoLogoBkm@SLiTeX@lift

```
1304 \def\HoLogoBkm@SLiTeX@lift#1{SLiTeX}
```

\HoLogoHtml@SLiTeX@lift

```
1305 \def\HoLogoHtml@SLiTeX@lift#1{%
1306   \HoLogoCss@SLiTeX@lift
1307   \HOLOGO@Span{SLiTeX-lift}{%
1308     \HoLogoFont@font{SLiTeX}{rm}{%
1309       S%
1310       \HOLOGO@Span{L}{L}%
1311       \HOLOGO@Span{i}{i}%
1312       \hologo{TeX}%
1313     }%
1314   }%
1315 }
```

\HoLogoCss@SLiTeX@lift

```
1316 \def\HoLogoCss@SLiTeX@lift{%
1317   \Css{%
1318     span.HoLogo-SLiTeX-lift span.HoLogo-L{%
1319       margin-left:-.06em;%
1320       margin-right:-.18em;%
1321     }%
1322   }%
1323   \Css{%
1324     span.HoLogo-SLiTeX-lift span.HoLogo-i{%
1325       position:relative;%
1326       top:-.32ex;%
1327       margin-right:-.06em;%
1328       font-variant:small-caps;%
1329     }%
1330   }%
1331   \global\let\HoLogoCss@SLiTeX@lift\relax
1332 }
```

\HoLogo@SLiTeX@simple

```
1333 \def\HoLogo@SLiTeX@simple#1{%
1334   \HoLogoFont@font{SLiTeX}{rm}{%
1335     \ltx@mbbox{%
1336       \HoLogoFont@font{SLiTeX}{sc}{SLi}%
1337     }%
1338     \HOLOGO@discretionary
1339     \hologo{TeX}%
1340   }%
1341 }
```

\HoLogoBkm@SLiTeX@simple

```
1342 \def\HoLogoBkm@SLiTeX@simple#1{SLiTeX}
```

\HoLogoHtml@SLiTeX@simple

```
1343 \let\HoLogoHtml@SLiTeX@simple\HoLogo@SLiTeX@simple
```

\HoLogo@SLiTeX@narrow

```
1344 \def\HoLogo@SLiTeX@narrow#1{%
1345   \HoLogoFont@font{SLiTeX}{rm}{%
1346     \ltx@mbbox{%
1347       S%
1348       \kern-.06em%
1349       \HoLogoFont@font{SLiTeX}{sc}{%
1350         l%
1351         \kern-.035em%
1352         i%
1353       }%
1354     }%
1355     \HOLOGO@discretionary
```

```

1356     \kern-.06em%
1357     \hologo{TeX}%
1358 }%
1359 }

```

`\HoLogoBkm@SliTeX@narrow`

```

1360 \def\HoLogoBkm@SliTeX@narrow#1{SliTeX}

```

`\HoLogoHtml@SliTeX@narrow`

```

1361 \def\HoLogoHtml@SliTeX@narrow#1{%
1362   \HoLogoCss@SliTeX@narrow
1363   \HOLOGO@Span{SliTeX-narrow}{%
1364     \HoLogoFont@font{SliTeX}{rm}{%
1365       S%
1366       \HOLOGO@Span{1}{1}%
1367       \HOLOGO@Span{i}{i}%
1368       \hologo{TeX}%
1369     }%
1370   }%
1371 }

```

`\HoLogoCss@SliTeX@narrow`

```

1372 \def\HoLogoCss@SliTeX@narrow{%
1373   \Css{%
1374     span.HoLogo-SliTeX-narrow span.HoLogo-l{%
1375       margin-left:-.06em;%
1376       margin-right:-.035em;%
1377       font-variant:small-caps;%
1378     }%
1379   }%
1380   \Css{%
1381     span.HoLogo-SliTeX-narrow span.HoLogo-i{%
1382       margin-right:-.06em;%
1383       font-variant:small-caps;%
1384     }%
1385   }%
1386   \global\let\HoLogoCss@SliTeX@narrow\relax
1387 }

```

## Macro set completion.

`\HoLogo@SliTeX@simple`

```

1388 \def\HoLogo@SliTeX@simple{\HoLogo@SliTeX@simple}

```

`\HoLogoBkm@SliTeX@simple`

```

1389 \def\HoLogoBkm@SliTeX@simple{\HoLogoBkm@SliTeX@simple}

```

`\HoLogoHtml@SliTeX@simple`

```

1390 \def\HoLogoHtml@SliTeX@simple{\HoLogoHtml@SliTeX@simple}

```

`\HoLogo@SliTeX@narrow`

```

1391 \def\HoLogo@SliTeX@narrow{\HoLogo@SliTeX@narrow}

```

`\HoLogoBkm@SliTeX@narrow`

```

1392 \def\HoLogoBkm@SliTeX@narrow{\HoLogoBkm@SliTeX@narrow}

```

`\HoLogoHtml@SliTeX@narrow`

```

1393 \def\HoLogoHtml@SliTeX@narrow{\HoLogoHtml@SliTeX@narrow}

```

`\HoLogo@SliTeX@lift`

```

1394 \def\HoLogo@SliTeX@lift{\HoLogo@SliTeX@lift}

```

```

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

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

```

## Defaults.

```

\HoLogo@SLiTeX
1397 \def\HoLogo@SLiTeX{\HoLogo@SLiTeX@lift}

\HoLogoBkm@SLiTeX
1398 \def\HoLogoBkm@SLiTeX{\HoLogoBkm@SLiTeX@lift}

\HoLogoHtml@SLiTeX
1399 \def\HoLogoHtml@SLiTeX{\HoLogoHtml@SLiTeX@lift}

\HoLogo@SLiTeX
1400 \def\HoLogo@SLiTeX{\HoLogo@SLiTeX@narrow}

\HoLogoBkm@SLiTeX
1401 \def\HoLogoBkm@SLiTeX{\HoLogoBkm@SLiTeX@narrow}

\HoLogoHtml@SLiTeX
1402 \def\HoLogoHtml@SLiTeX{\HoLogoHtml@SLiTeX@narrow}

```

## 2.9.12 LuaT<sub>E</sub>X

```

\HoLogo@LuaTeX The kerning is an idea of Hans Hagen, see mailing list ‘luatex at tug dot org’ in
March 2010.
1403 \def\HoLogo@LuaTeX#1{%
1404   \HOLOGO@mbbox{%
1405     Lua%
1406     \HOLOGO@NegativeKerning{aT,oT,To}%
1407     \hologo{TeX}%
1408   }%
1409 }

\HoLogoHtml@LuaTeX
1410 \let\HoLogoHtml@LuaTeX\HoLogo@LuaTeX

```

## 2.9.13 LuaL<sub>A</sub>T<sub>E</sub>X

```

\HoLogo@LuaLaTeX
1411 \def\HoLogo@LuaLaTeX#1{%
1412   \HOLOGO@mbbox{%
1413     Lua%
1414     \hologo{LaTeX}%
1415   }%
1416 }

\HoLogoHtml@LuaLaTeX
1417 \let\HoLogoHtml@LuaLaTeX\HoLogo@LuaLaTeX

```

## 2.9.14 XeTeX, XeLaTeX

\Hologo@ifCharExists

```

1418 \ifluatex
1419   \ifnum\luatexversion<36 %
1420   \else
1421     \def\Hologo@ifCharExists#1{%
1422       \ifnum
1423         \directlua{%
1424           if font and font.fonts and font.current then %
1425             local f = font.fonts[font.current()]%
1426             if f.characters and f.characters[\number#1] then %
1427               tex.print("1")%
1428             end %
1429           end%
1430         }0=\ltx@zero
1431       \expandafter\ltx@secondoftwo
1432     \else
1433       \expandafter\ltx@firstoftwo
1434     \fi
1435   }%
1436 \fi
1437 \fi
1438 \ltx@ifundefined{Hologo@ifCharExists}{%
1439   \def\Hologo@@ifCharExists#1{%
1440     \begingroup
1441     \tracinglostchars=\ltx@zero
1442     \setbox\ltx@zero=\hbox{%
1443       \kern7sp\char#1\relax
1444       \ifnum\lastkern>\ltx@zero
1445         \expandafter\aftergroup\csname iffalse\endcsname
1446       \else
1447         \expandafter\aftergroup\csname iftrue\endcsname
1448       \fi
1449     }%
1450     % \if{true|false} from \aftergroup
1451     \endgroup
1452     \expandafter\ltx@firstoftwo
1453   \else
1454     \endgroup
1455     \expandafter\ltx@secondoftwo
1456   \fi
1457 }%
1458 \ifxetex
1459   \ltx@ifundefined{XeTeXfonttype}{%
1460     \ltx@ifundefined{XeTeXcharglyph}{%
1461       \def\Hologo@ifCharExists#1{%
1462         \ifnum\XeTeXfonttype\font>\ltx@zero
1463           \expandafter\ltx@firstofthree
1464         \else
1465           \expandafter\ltx@gobble
1466         \fi
1467       }%
1468       \ifnum\XeTeXcharglyph#1>\ltx@zero
1469         \expandafter\ltx@firstoftwo
1470       \else
1471         \expandafter\ltx@secondoftwo
1472       \fi
1473     }%
1474     \Hologo@@ifCharExists{#1}%
1475   }%
1476 }%
1477 }%
```

```

1478 \fi
1479 }{}
1480 \ltx@ifundefined{HOLOGO@IfCharExists}{%
1481 \ifnum64=\^^^0040\relax % test for big chars of LuaTeX/XeTeX
1482 \let\HOLOGO@IfCharExists\HOLOGO@@IfCharExists
1483 \else
1484 \def\HOLOGO@IfCharExists#1{%
1485 \ifnum#1>255 %
1486 \expandafter\ltx@fourthoffour
1487 \fi
1488 \HOLOGO@@IfCharExists{#1}%
1489 }%
1490 \fi
1491 }{}

```

\HoLogo@Xe Source: package dtklogos

```

1492 \def\HoLogo@Xe#1{%
1493 X%
1494 \kern-.1em\relax
1495 \HOLOGO@IfCharExists{"018E}{%
1496 \lower.5ex\hbox{\char"018E}%
1497 }{%
1498 \chardef\HOLOGO@choice=\ltx@zero
1499 \ifdim\fontdimen\ltx@one\font>0pt %
1500 \ltx@ifundefined{rotatebox}{%
1501 \ltx@ifundefined{pgftext}{%
1502 \ltx@ifundefined{psscalebox}{%
1503 \ltx@ifundefined{HOLOGO@ScaleBox@\hologoDriver}{%
1504 }{%
1505 \chardef\HOLOGO@choice=4 %
1506 }%
1507 }{%
1508 \chardef\HOLOGO@choice=3 %
1509 }%
1510 }{%
1511 \chardef\HOLOGO@choice=2 %
1512 }%
1513 }{%
1514 \chardef\HOLOGO@choice=1 %
1515 }%
1516 \ifcase\HOLOGO@choice
1517 \HOLOGO@WarningUnsupportedDriver{Xe}%
1518 e%
1519 \or % 1: \rotatebox
1520 \begingroup
1521 \setbox\ltx@zero\hbox{\rotatebox{180}{E}}%
1522 \ltx@LocDimenA=\dp\ltx@zero
1523 \advance\ltx@LocDimenA by -.5ex\relax
1524 \raise\ltx@LocDimenA\box\ltx@zero
1525 \endgroup
1526 \or % 2: \pgftext
1527 \lower.5ex\hbox{%
1528 \pgfpicture
1529 \pgftext[rotate=180]{E}%
1530 \endpgfpicture
1531 }%
1532 \or % 3: \psscalebox
1533 \begingroup
1534 \setbox\ltx@zero\hbox{\psscalebox{-1 -1}{E}}%
1535 \ltx@LocDimenA=\dp\ltx@zero
1536 \advance\ltx@LocDimenA by -.5ex\relax
1537 \raise\ltx@LocDimenA\box\ltx@zero
1538 \endgroup

```

```

1539 \or % 4: \HOLGO@PointReflectBox
1540 \lower.5ex\hbox{\HOLGO@PointReflectBox{E}}%
1541 \else
1542 \@PackageError{hologo}{Internal error (choice/it)}\@ehc
1543 \fi
1544 \else
1545 \ltx@ifundefined{reflectbox}{%
1546 \ltx@ifundefined{pgftext}{%
1547 \ltx@ifundefined{psscalebox}{%
1548 \ltx@ifundefined{HOLGO@ScaleBox@hologoDriver}{%
1549 }{%
1550 \chardef\HOLGO@choice=4 %
1551 }%
1552 }{%
1553 \chardef\HOLGO@choice=3 %
1554 }%
1555 }{%
1556 \chardef\HOLGO@choice=2 %
1557 }%
1558 }{%
1559 \chardef\HOLGO@choice=1 %
1560 }%
1561 \ifcase\HOLGO@choice
1562 \HOLGO@WarningUnsupportedDriver{Xe}%
1563 e%
1564 \or % 1: reflectbox
1565 \lower.5ex\hbox{%
1566 \reflectbox{E}%
1567 }%
1568 \or % 2: \pgftext
1569 \lower.5ex\hbox{%
1570 \pgfpicture
1571 \pgftransformxscale{-1}%
1572 \pgftext{E}%
1573 \endpgfpicture
1574 }%
1575 \or % 3: \psscalebox
1576 \lower.5ex\hbox{%
1577 \psscalebox{-1 1}{E}%
1578 }%
1579 \or % 4: \HOLGO@Reflectbox
1580 \lower.5ex\hbox{%
1581 \HOLGO@ReflectBox{E}%
1582 }%
1583 \else
1584 \@PackageError{hologo}{Internal error (choice/up)}\@ehc
1585 \fi
1586 \fi
1587 }%
1588 }

```

\HoLogoHtml@Xe

```

1589 \def\HoLogoHtml@Xe#1{%
1590 \HoLogoCss@Xe
1591 \HOLGO@Span{Xe}{%
1592 X%
1593 \HOLGO@Span{e}{%
1594 \HCode{&\ltx@hashchar x018e;}%
1595 }%
1596 }%
1597 }

```

\HoLogoCss@Xe

```

1598 \def\HoLogoCss@Xe{%
1599   \Css{%
1600     span.HoLogo-Xe span.HoLogo-e{%
1601       position:relative;%
1602       top:.5ex;%
1603       left-margin:-.1em;%
1604     }%
1605   }%
1606   \global\let\HoLogoCss@Xe\relax
1607 }

\HoLogo@XeTeX

1608 \def\HoLogo@XeTeX#1{%
1609   \hologo{Xe}%
1610   \kern-.15em\relax
1611   \hologo{TeX}%
1612 }

\HoLogoHtml@XeTeX

1613 \def\HoLogoHtml@XeTeX#1{%
1614   \HoLogoCss@XeTeX
1615   \HOLOGO@Span{XeTeX}{%
1616     \hologo{Xe}%
1617     \hologo{TeX}%
1618   }%
1619 }

\HoLogoCss@XeTeX

1620 \def\HoLogoCss@XeTeX{%
1621   \Css{%
1622     span.HoLogo-XeTeX span.HoLogo-TeX{%
1623       margin-left:-.15em;%
1624     }%
1625   }%
1626   \global\let\HoLogoCss@XeTeX\relax
1627 }

\HoLogo@XeLaTeX

1628 \def\HoLogo@XeLaTeX#1{%
1629   \hologo{Xe}%
1630   \kern-.13em%
1631   \hologo{LaTeX}%
1632 }

\HoLogoHtml@XeLaTeX

1633 \def\HoLogoHtml@XeLaTeX#1{%
1634   \HoLogoCss@XeLaTeX
1635   \HOLOGO@Span{XeLaTeX}{%
1636     \hologo{Xe}%
1637     \hologo{LaTeX}%
1638   }%
1639 }

\HoLogoCss@XeLaTeX

1640 \def\HoLogoCss@XeLaTeX{%
1641   \Css{%
1642     span.HoLogo-XeLaTeX span.HoLogo-Xe{%
1643       margin-right:-.13em;%
1644     }%
1645   }%
1646   \global\let\HoLogoCss@XeLaTeX\relax
1647 }

```



### 2.9.15 pdfTeX, pdfLaTeX

\HoLogo@pdfTeX

```
1648 \def\HoLogo@pdfTeX#1{%
1649   \HOLOGO@mbbox{%
1650     #1{p}{P}df\hologo{TeX}%
1651   }%
1652 }
```

\HoLogoCs@pdfTeX

```
1653 \def\HoLogoCs@pdfTeX#1{#1{p}{P}dfTeX}
```

\HoLogoBkm@pdfTeX

```
1654 \def\HoLogoBkm@pdfTeX#1{%
1655   #1{p}{P}df\hologo{TeX}%
1656 }
```

\HoLogoHtml@pdfTeX

```
1657 \let\HoLogoHtml@pdfTeX\HoLogo@pdfTeX
```

\HoLogo@pdfLaTeX

```
1658 \def\HoLogo@pdfLaTeX#1{%
1659   \HOLOGO@mbbox{%
1660     #1{p}{P}df\hologo{LaTeX}%
1661   }%
1662 }
```

\HoLogoCs@pdfLaTeX

```
1663 \def\HoLogoCs@pdfLaTeX#1{#1{p}{P}dfLaTeX}
```

\HoLogoBkm@pdfLaTeX

```
1664 \def\HoLogoBkm@pdfLaTeX#1{%
1665   #1{p}{P}df\hologo{LaTeX}%
1666 }
```

\HoLogoHtml@pdfLaTeX

```
1667 \let\HoLogoHtml@pdfLaTeX\HoLogo@pdfLaTeX
```

### 2.9.16 VTeX

\HoLogo@VTeX

```
1668 \def\HoLogo@VTeX#1{%
1669   \HOLOGO@mbbox{%
1670     V\hologo{TeX}%
1671   }%
1672 }
```

\HoLogoHtml@VTeX

```
1673 \let\HoLogoHtml@VTeX\HoLogo@VTeX
```

### 2.9.17 AMS, ...

Source: class amsdtx

\HoLogo@AmS

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

```

1680     S%
1681   }%
1682 }

\HoLogoBkm@AmS
1683 \def\HoLogoBkm@AmS#1{AmS}

\HoLogoHtml@AmS
1684 \def\HoLogoHtml@AmS#1{%
1685   \HoLogoCss@AmS
1686 %   \HoLogoFont@font{AmS}{sy}{%
1687     \HOLOGO@Span{AmS}{%
1688       A%
1689       \HOLOGO@Span{M}{M}%
1690       S%
1691     }%
1692 %   }%
1693 }

\HoLogoCss@AmS
1694 \def\HoLogoCss@AmS{%
1695   \Css{%
1696     span.HoLogo-AmS span.HoLogo-M{%
1697       position:relative;%
1698       top:.5ex;%
1699       margin-left:-.1667em;%
1700       margin-right:-.125em;%
1701       text-decoration:none;%
1702     }%
1703   }%
1704   \global\let\HoLogoCss@AmS\relax
1705 }

\HoLogo@AmSTeX
1706 \def\HoLogo@AmSTeX#1{%
1707   \hologo{AmS}%
1708   \HOLOGO@hyphen
1709   \hologo{TeX}%
1710 }

\HoLogoBkm@AmSTeX
1711 \def\HoLogoBkm@AmSTeX#1{AmS-TeX}%

\HoLogoHtml@AmSTeX
1712 \let\HoLogoHtml@AmSTeX\HoLogo@AmSTeX

\HoLogo@AmSLaTeX
1713 \def\HoLogo@AmSLaTeX#1{%
1714   \hologo{AmS}%
1715   \HOLOGO@hyphen
1716   \hologo{LaTeX}%
1717 }

\HoLogoBkm@AmSLaTeX
1718 \def\HoLogoBkm@AmSLaTeX#1{AmS-LaTeX}%

\HoLogoHtml@AmSLaTeX
1719 \let\HoLogoHtml@AmSLaTeX\HoLogo@AmSLaTeX

```

### 2.9.18 BibTeX

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

```

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

1720 \def\HoLogo@BibTeX@sc#1{%
1721   B%
1722   \kern-.05em%
1723   \HoLogoFont@font{BibTeX}{sc}{%
1724     i%
1725     \kern-.025em%
1726     b%
1727   }%
1728   \HOLOGO@discretionary
1729   \kern-.08em%
1730   \hologo{TeX}%
1731 }
```

`\HoLogoHtml@BibTeX@sc`

```

1732 \def\HoLogoHtml@BibTeX@sc#1{%
1733   \HoLogoCss@BibTeX@sc
1734   \HOLOGO@Span{BibTeX-sc}{%
1735     B%
1736     \HOLOGO@Span{i}{i}%
1737     \HOLOGO@Span{b}{b}%
1738     \hologo{TeX}%
1739   }%
1740 }
```

`\HoLogoCss@BibTeX@sc`

```

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

```

1754 }%
1755 \global\let\HoLogoCss@BibTeX@sc\relax
1756 }

```

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

```

```

1757 \def\HoLogo@BibTeX@sf#1{%
1758   B%
1759   \kern-.05em%
1760   \HoLogoFont@font{BibTeX}{bibsff}%
1761   I%
1762   \kern-.025em%
1763   B%
1764   }%
1765   \HOLOGO@discretionary
1766   \kern-.08em%
1767   \hologo{TeX}%
1768 }

```

`\HoLogoHtml@BibTeX@sf`

```

1769 \def\HoLogoHtml@BibTeX@sf#1{%
1770   \HoLogoCss@BibTeX@sf
1771   \HOLOGO@Span{BibTeX-sf}{%
1772     B%
1773     \HoLogoFont@font{BibTeX}{bibsff}%
1774     \HOLOGO@Span{i}{I}%
1775     B%
1776   }%
1777   \hologo{TeX}%
1778   }%
1779 }

```

`\HoLogoCss@BibTeX@sf`

```

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

```

```

1790 }%
1791 }%
1792 \global\let\HoLogoCss@BibTeX@sf\relax
1793 }

```

\HoLogo@BibTeX

```

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

```

\HoLogoHtml@BibTeX

```

1795 \def\HoLogoHtml@BibTeX{\HoLogoHtml@BibTeX@sf}

```

## 2.9.19 BibTeX8

\HoLogo@BibTeX8

```

1796 \expandafter\def\csname HoLogo@BibTeX8\endcsname#1{%
1797   \hologo{BibTeX}%
1798   8%
1799 }

```

\HoLogoBkm@BibTeX8

```

1800 \expandafter\def\csname HoLogoBkm@BibTeX8\endcsname#1{%
1801   \hologo{BibTeX}%
1802   8%
1803 }

```

\HoLogoHtml@BibTeX8

```

1804 \expandafter
1805 \let\csname HoLogoHtml@BibTeX8\expandafter\endcsname
1806 \csname HoLogo@BibTeX8\endcsname

```

## 2.9.20 ConTeXt

\HoLogo@ConTeXt@simple

```

1807 \def\HoLogo@ConTeXt@simple#1{%
1808   \HOLOGO@mbbox{Con}%
1809   \HOLOGO@discretionary
1810   \HOLOGO@mbbox{\hologo{TeX}}t}%
1811 }

```

\HoLogoHtml@ConTeXt@simple

```

1812 \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).

```

1813 \def\HoLogo@ConTeXt@narrow#1{%
1814   \HOLOGO@mbbox{C\kern-.0333emon}%
1815   \HOLOGO@discretionary
1816   \kern-.0667em%
1817   \HOLOGO@mbbox{\hologo{TeX}\kern-.0333emt}%
1818 }

```

\HoLogoHtml@ConTeXt@narrow

```

1819 \def\HoLogoHtml@ConTeXt@narrow#1{%
1820   \HoLogoCss@ConTeXt@narrow
1821   \HOLOGO@Span{ConTeXt-narrow}{%
1822     \HOLOGO@Span{C}{C}%
1823     on%
1824     \hologo{TeX}%
1825     t%
1826   }%
1827 }

```

\HoLogoCss@ConTeXt@narrow

```

1828 \def\HoLogoCss@ConTeXt@narrow{%
1829   \Css{%
1830     span.HoLogo-ConTeXt-narrow span.HoLogo-C{%
1831       margin-left:-.0333em;%
1832     }%
1833   }%
1834   \Css{%
1835     span.HoLogo-ConTeXt-narrow span.HoLogo-TeX{%
1836       margin-left:-.0667em;%
1837       margin-right:-.0333em;%
1838     }%
1839   }%
1840   \global\let\HoLogoCss@ConTeXt@narrow\relax
1841 }

```

\HoLogo@ConTeXt

```

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

```

\HoLogoHtml@ConTeXt

```

1843 \def\HoLogoHtml@ConTeXt{\HoLogoHtml@ConTeXt@narrow}

```

## 2.9.21 emTeX

\HoLogo@emTeX

```

1844 \def\HoLogo@emTeX#1{%
1845   \HOLOGO@mbbox{#1{e}{E}m}%
1846   \HOLOGO@discretionary
1847   \hologo{TeX}%
1848 }

```

\HoLogoCs@emTeX

```

1849 \def\HoLogoCs@emTeX#1{#1{e}{E}mTeX}%

```

\HoLogoBkm@emTeX

```

1850 \def\HoLogoBkm@emTeX#1{%
1851   #1{e}{E}m\hologo{TeX}%
1852 }

```

\HoLogoHtml@emTeX

```

1853 \let\HoLogoHtml@emTeX\HoLogo@emTeX

```

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

\HoLogo@ExTeX The definition is taken from the FAQ of the project  $\varepsilon_X$ T<sub>E</sub>X [4].

```

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

```

```

1854 \def\HoLogo@ExTeX#1{%
1855   \HoLogoFont@font{ExTeX}{rm}{%
1856     \ltx@mbbox{%
1857       \HOLOGO@MathSetup
1858       $%
1859       \textstyle
1860       \varepsilon_{%
1861         \kern-0.15em%
1862         \HoLogoFont@font{ExTeX}{sy}{X}%
1863       }%
1864       $%
1865     }%
1866     \HOLOGO@discretionary
1867     \kern-.15em%
1868     \hologo{TeX}%
1869   }%
1870 }

```

\HoLogoHtml@ExTeX

```

1871 \def\HoLogoHtml@ExTeX#1{%
1872   \HoLogoCss@ExTeX
1873   \HoLogoFont@font{ExTeX}{rm}{%
1874     \HOLOGO@Span{ExTeX}{%
1875       \ltx@mbbox{%
1876         \HOLOGO@MathSetup
1877         $\textstyle\varepsilon$%
1878         \HOLOGO@Span{X}{$\textstyle\chi$}%
1879         \hologo{TeX}%
1880       }%
1881     }%
1882   }%
1883 }

```

\HoLogoBkm@ExTeX

```

1884 \def\HoLogoBkm@ExTeX#1{%
1885   \HOLOGO@PdfdocUnicode{#1{e}{E}x}{\textepsilon\textchi}%
1886   \hologo{TeX}%
1887 }

```

\HoLogoCss@ExTeX

```

1888 \def\HoLogoCss@ExTeX{%
1889   \Css{%
1890     span.HoLogo-ExTeX{%
1891       font-family:serif;%
1892     }%
1893   }%
1894   \Css{%
1895     span.HoLogo-ExTeX span.HoLogo-TeX{%
1896       margin-left:-.15em;%
1897     }%
1898   }%
1899   \global\let\HoLogoCss@ExTeX\relax
1900 }

```

## 2.9.23 MiKTeX

\HoLogo@MiKTeX

```

1901 \def\HoLogo@MiKTeX#1{%
1902   \HOLOGO@mbbox{MiK}%
1903   \HOLOGO@discretionary
1904   \hologo{TeX}%
1905 }

```

\HoLogoHtml@MiKTeX

```
1906 \let\HoLogoHtml@MiKTeX\HoLogo@MiKTeX
```

## 2.9.24 OzTeX and friends

Source: OzTeX FAQ [6]:

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

\HoLogo@OzTeX

```
1907 \def\HoLogo@OzTeX#1{%
1908   0%
1909   \kern-.03em %
1910   z%
1911   \kern-.15em %
1912   \hologo{TeX}%
1913 }
```

\HoLogoHtml@OzTeX

```
1914 \def\HoLogoHtml@OzTeX#1{%
1915   \HoLogoCss@OzTeX
1916   \HOLGO@Span{OzTeX}{%
1917     0%
1918     \HOLGO@Span{z}{z}%
1919     \hologo{TeX}%
1920   }%
1921 }
```

\HoLogoCss@OzTeX

```
1922 \def\HoLogoCss@OzTeX{%
1923   \Css{%
1924     span.HoLogo-OzTeX span.HoLogo-z{%
1925       margin-left:-.03em;%
1926       margin-right:-.15em;%
1927     }%
1928   }%
1929   \global\let\HoLogoCss@OzTeX\relax
1930 }
```

\HoLogo@OzMF

```
1931 \def\HoLogo@OzMF#1{%
1932   \HOLGO@mbx{OzMF}%
1933 }
```

\HoLogo@OzMP

```
1934 \def\HoLogo@OzMP#1{%
1935   \HOLGO@mbx{OzMP}%
1936 }
```

\HoLogo@OzTtH

```
1937 \def\HoLogo@OzTtH#1{%
1938   \HOLGO@mbx{OzTtH}%
1939 }
```

## 2.9.25 PCTeX

\HoLogo@PCTeX

```
1940 \def\HoLogo@PCTeX#1{%
1941   \HOLGO@mbx{PC}%
1942   \hologo{TeX}%
1943 }
```



\HoLogoHtml@PCTeX

```
1944 \let\HoLogoHtml@PCTeX\HoLogo@PCTeX
```

## 2.9.26 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

```
1945 \def\HoLogo@PiC#1{%  
1946   P%  
1947   \kern-.12em%  
1948   \lower.5ex\hbox{I}%  
1949   \kern-.075em%  
1950   C%  
1951   \HOLOGO@SpaceFactor  
1952 }
```

\HoLogoHtml@PiC

```
1953 \def\HoLogoHtml@PiC#1{%  
1954   \HoLogoCss@PiC  
1955   \HOLOGO@Span{PiC}{%  
1956     P%  
1957     \HOLOGO@Span{i}{I}%  
1958     C%  
1959   }%  
1960 }
```

\HoLogoCss@PiC

```
1961 \def\HoLogoCss@PiC{%  
1962   \Css{%  
1963     span.HoLogo-PiC span.HoLogo-i{%  
1964       position:relative;%  
1965       top:.5ex;%  
1966       margin-left:-.12em;%  
1967       margin-right:-.075em;%  
1968       text-decoration:none;%  
1969     }%  
1970   }%  
1971   \global\let\HoLogoCss@PiC\relax  
1972 }
```

\HoLogo@PiCTeX

```
1973 \def\HoLogo@PiCTeX#1{%  
1974   \hologo{PiC}%  
1975   \HOLOGO@discretionary  
1976   \kern-.11em%  
1977   \hologo{TeX}%  
1978 }
```

\HoLogoHtml@PiCTeX

```
1979 \def\HoLogoHtml@PiCTeX#1{%
1980   \HoLogoCss@PiCTeX
1981   \HOLOGO@Span{PiCTeX}{%
1982     \hologo{PiC}%
1983     \hologo{TeX}%
1984   }%
1985 }
```

\HoLogoCss@PiCTeX

```
1986 \def\HoLogoCss@PiCTeX{%
1987   \Css{%
1988     span.HoLogo-PiCTeX span.HoLogo-PiC{%
1989       margin-right:-.11em;%
1990     }%
1991   }%
1992   \global\let\HoLogoCss@PiCTeX\relax
1993 }
```

### 2.9.27 teTeX

\HoLogo@teTeX

```
1994 \def\HoLogo@teTeX#1{%
1995   \HOLOGO@mbbox{#1{t}{T}e}%
1996   \HOLOGO@discretionary
1997   \hologo{TeX}%
1998 }
```

\HoLogoCs@teTeX

```
1999 \def\HoLogoCs@teTeX#1{#1{t}{T}dfTeX}
```

\HoLogoBkm@teTeX

```
2000 \def\HoLogoBkm@teTeX#1{%
2001   #1{t}{T}e\hologo{TeX}%
2002 }
```

\HoLogoHtml@teTeX

```
2003 \let\HoLogoHtml@teTeX\HoLogo@teTeX
```

### 2.9.28 TeX4ht

\HoLogo@TeX4ht

```
2004 \expandafter\def\csname HoLogo@TeX4ht\endcsname#1{%
2005   \HOLOGO@mbbox{\hologo{TeX}4ht}%
2006 }
```

\HoLogoHtml@TeX4ht

```
2007 \expandafter
2008 \let\csname HoLogoHtml@TeX4ht\endcsname\expandafter\endcsname
2009 \csname HoLogo@TeX4ht\endcsname
```

### 2.9.29 SageTeX

\HoLogo@SageTeX

```
2010 \def\HoLogo@SageTeX#1{%
2011   \HOLOGO@mbbox{Sage}%
2012   \HOLOGO@discretionary
2013   \HOLOGO@NegativeKerning{eT,oT,To}%
2014   \hologo{TeX}%
2015 }
```

\HoLogoHtml@SageTeX

```
2016 \let\HoLogoHtml@SageTeX\HoLogo@SageTeX
```

## 2.10 METAFONT and friends

```
\HoLogo@METAFONT
2017 \def\HoLogo@METAFONT#1{%
2018   \HoLogoFont@font{METAFONT}{logo}{%
2019     \HOLOGO@mbox{META}%
2020     \HOLOGO@discretionary
2021     \HOLOGO@mbox{FONT}%
2022   }%
2023 }
```

```
\HoLogo@METAPOST
2024 \def\HoLogo@METAPOST#1{%
2025   \HoLogoFont@font{METAPOST}{logo}{%
2026     \HOLOGO@mbox{META}%
2027     \HOLOGO@discretionary
2028     \HOLOGO@mbox{POST}%
2029   }%
2030 }
```

```
\HoLogo@MetaFun
2031 \def\HoLogo@MetaFun#1{%
2032   \HOLOGO@mbox{Meta}%
2033   \HOLOGO@discretionary
2034   \HOLOGO@mbox{Fun}%
2035 }
```

```
\HoLogo@MetaPost
2036 \def\HoLogo@MetaPost#1{%
2037   \HOLOGO@mbox{Meta}%
2038   \HOLOGO@discretionary
2039   \HOLOGO@mbox{Post}%
2040 }
```

## 2.11 Others

### 2.11.1 biber

```
\HoLogo@biber
2041 \def\HoLogo@biber#1{%
2042   \HOLOGO@mbox{#1{b}{B}i}%
2043   \HOLOGO@discretionary
2044   \HOLOGO@mbox{ber}%
2045 }
```

```
\HoLogoCs@biber
2046 \def\HoLogoCs@biber#1{#1{b}{B}iber}
```

```
\HoLogoBkm@biber
2047 \def\HoLogoBkm@biber#1{%
2048   #1{b}{B}iber%
2049 }
```

```
\HoLogoHtml@biber
2050 \let\HoLogoHtml@biber\HoLogo@biber
```

### 2.11.2 KOMA-Script

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

```

\@ifundefined{KOMAScript}{%
  \DeclareRobustCommand{\KOMAScript}{%
    \textsf{%
      K\kern.05em O\kern.05emM\kern.05em A%
      \kern.1em-\kern.1em %
      Script%
    }%
  }%
}{%}

2051 \def\HoLogo@KOMAScript#1{%
2052   \HoLogoFont@font{KOMAScript}{sf}{%
2053     \Hologo@mbox{%
2054       K\kern.05em%
2055       O\kern.05em%
2056       M\kern.05em%
2057       A%
2058     }%
2059     \kern.1em%
2060     \Hologo@hyphen
2061     \kern.1em%
2062     \Hologo@mbox{Script}%
2063   }%
2064 }

```

\HoLogoBkm@KOMAScript

```

2065 \def\HoLogoBkm@KOMAScript#1{%
2066   KOMA-Script%
2067 }

```

\HoLogoHtml@KOMAScript

```

2068 \def\HoLogoHtml@KOMAScript#1{%
2069   \HoLogoCss@KOMAScript
2070   \HoLogoFont@font{KOMAScript}{sf}{%
2071     \Hologo@Span{KOMAScript}{%
2072       K%
2073       \Hologo@Span{O}{O}%
2074       M%
2075       \Hologo@Span{A}{A}%
2076       \Hologo@Span{hyphen}{-}%
2077       Script%
2078     }%
2079   }%
2080 }

```

\HoLogoCss@KOMAScript

```

2081 \def\HoLogoCss@KOMAScript{%
2082   \Css{%
2083     span.HoLogo-KOMAScript{%
2084       font-family:sans-serif;%
2085     }%
2086   }%
2087   \Css{%
2088     span.HoLogo-KOMAScript span.HoLogo-O{%
2089       padding-left:.05em;%
2090       padding-right:.05em;%
2091     }%
2092   }%
2093   \Css{%
2094     span.HoLogo-KOMAScript span.HoLogo-A{%
2095       padding-left:.05em;%
2096     }%
2097   }%

```

```

2098 \Css{%
2099     span.HoLogo-KOMAScript span.HoLogo-hyphen{%
2100         padding-left:.1em;%
2101         padding-right:.1em;%
2102     }%
2103 }%
2104 \global\let\HoLogoCss@KOMAScript\relax
2105 }

```

### 2.11.3 L<sub>Y</sub>X

\HoLogo@LyX The definition is taken from the documentation source files of L<sub>Y</sub>X, Intro.lyx [5]:

```

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

2106 \def\HoLogo@LyX#1{%
2107     L%
2108     \kern-.1667em%
2109     \lower.25em\hbox{Y}%
2110     \kern-.125em%
2111     X%
2112     \HOLOGO@SpaceFactor
2113 }

```

\HoLogoHtml@LyX

```

2114 \def\HoLogoHtml@LyX#1{%
2115     \HoLogoCss@LyX
2116     \HOLOGO@Span{LyX}{%
2117         L%
2118         \HOLOGO@Span{y}{Y}%
2119         X%
2120     }%
2121 }

```

\HoLogoCss@LyX

```

2122 \def\HoLogoCss@LyX{%
2123     \Css{%
2124         span.HoLogo-LyX span.HoLogo-y{%
2125             position:relative;%
2126             top:.25em;%
2127             margin-left:-.1667em;%
2128             margin-right:-.125em;%
2129             text-decoration:none;%
2130         }%
2131     }%
2132     \global\let\HoLogoCss@LyX\relax
2133 }

```

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

\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%
        $%
    }%
}

2134 \def\HoLogo@NTS#1{%
2135   \HoLogoFont@font{NTS}{sy}{%
2136     N\/%
2137     \kern-.35em%
2138     \lower.5ex\hbox{T\}/}%
2139     \kern-.2em%
2140     S\/%
2141   }%
2142   \HOLOGO@SpaceFactor
2143 }

```

### 2.11.5 $T_H$ (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.

$T_{\text{sub}}T/H$

\HoLogo@TTH

```

2144 \def\HoLogo@TTH#1{%
2145   \ltx@mbox{%
2146     T\HOLOGO@SubScript{T}H%
2147   }%
2148   \HOLOGO@SpaceFactor
2149 }

```

\HoLogoHtml@TTH

```

2150 \def\HoLogoHtml@TTH#1{%
2151   T\HCode{<sub>}T\HCode{</sub>}H%
2152 }

```

### 2.11.6 Hàn Thế Thành

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

\HoLogo@HanTheThanh

```

2153 \def\HoLogo@HanTheThanh#1{%
2154   \ltx@mbox{H\`an}%
2155   \HOLOGO@space
2156   \ltx@mbox{%
2157     Th%
2158     \HOLOGO@ifCharExists{"1EBF}{%
2159       \char"1EBF\relax
2160     }{%
2161       \^e\hbox to 0pt{\hss\raise .5ex\hbox{'{}}}%
2162     }%
2163   }%
2164   \HOLOGO@space
2165   \ltx@mbox{Th\`anh}%
2166 }

```

\HoLogoBkm@HanTheThanh

```
2167 \def\HoLogoBkm@HanTheThanh#1{%
2168   H\`an %
2169   Th\HOLGO@PdfdocUnicode{\`e}{\9036\277} %
2170   Th\`anh%
2171 }
```

\HoLogoHtml@HanTheThanh

```
2172 \def\HoLogoHtml@HanTheThanh#1{%
2173   H\`an %
2174   Th\HCode{&\ltx@hashchar x1ebf;} %
2175   Th\`anh%
2176 }
```

## 2.12 Driver detection

```
2177 \HOLGO@IfExists\InputIfFileExists{%
2178   \InputIfFileExists{hologo.cfg}{\}{}%
2179 }{%
2180   \ltx@ifundefined{pdf@filesize}{%
2181     \def\HOLGO@InputIfExists{%
2182       \openin\HOLGO@temp=hologo.cfg\relax
2183       \ifeof\HOLGO@temp
2184         \closein\HOLGO@temp
2185       \else
2186         \closein\HOLGO@temp
2187         \begingroup
2188         \def\x{\LaTeX2e}%
2189         \expandafter\endgroup
2190         \ifx\fmtname\x
2191           \input{hologo.cfg}%
2192         \else
2193           \input hologo.cfg\relax
2194         \fi
2195       \fi
2196     }%
2197   \ltx@ifundefined{newread}{%
2198     \chardef\HOLGO@temp=15 %
2199     \def\HOLGO@CheckRead{%
2200       \ifeof\HOLGO@temp
2201         \HOLGO@InputIfExists
2202       \else
2203         \ifcase\HOLGO@temp
2204           \@PackageWarningNoLine{hologo}{%
2205             Configuration file ignored, because\MessageBreak
2206             a free read register could not be found%
2207           }%
2208         \else
2209           \begingroup
2210             \count\ltx@cclv=\HOLGO@temp
2211             \advance\ltx@cclv by \ltx@minusone
2212             \edef\x{\endgroup
2213               \chardef\noexpand\HOLGO@temp=\the\count\ltx@cclv
2214               \relax
2215             }%
2216           \x
2217         \fi
2218       \fi
2219     }%
2220   }{%
2221     \csname newread\endcsname\HOLGO@temp
2222     \HOLGO@InputIfExists
```

```

2223 }%
2224 }{%
2225 \edef\HOLOGO@temp{\pdf@filesize{hologo.cfg}}%
2226 \ifx\HOLOGO@temp\ltx@empty
2227 \else
2228 \ifnum\HOLOGO@temp>0 %
2229 \begingroup
2230 \def\x{LaTeX2e}%
2231 \expandafter\endgroup
2232 \ifx\fmtname\x
2233 \input{hologo.cfg}%
2234 \else
2235 \input hologo.cfg\relax
2236 \fi
2237 \else
2238 \@PackageInfoNoLine{hologo}{%
2239 Empty configuration file `hologo.cfg' ignored%
2240 }%
2241 \fi
2242 \fi
2243 }%
2244 }

2245 \def\HOLOGO@temp#1#2{%
2246 \kv@define@key{HoLogoDriver}{#1}[]{%
2247 \begingroup
2248 \def\HOLOGO@temp{##1}%
2249 \ltx@onelevel@sanitize\HOLOGO@temp
2250 \ifx\HOLOGO@temp\ltx@empty
2251 \else
2252 \@PackageError{hologo}{%
2253 Value (\HOLOGO@temp) not permitted for option `#1'%
2254 }%
2255 \@ehc
2256 \fi
2257 \endgroup
2258 \def\hologoDriver{#2}%
2259 }%
2260 }%

2261 \def\HOLOGO@@temp#1#2{%
2262 \ifx\kv@value\relax
2263 \HOLOGO@temp{#1}{#1}%
2264 \else
2265 \HOLOGO@temp{#1}{#2}%
2266 \fi
2267 }%

2268 \kv@parse@normalized{%
2269 pdftex,%
2270 luatex=pdftex,%
2271 dvipdfm,%
2272 dvipdfmx=dvipdfm,%
2273 dvips,%
2274 dvipsone=dvips,%
2275 xdvi=dvips,%
2276 xetex,%
2277 vtex,%
2278 }\HOLOGO@@temp

2279 \kv@define@key{HoLogoDriver}{driverfallback}{%
2280 \def\HOLOGO@DriverFallback{#1}%
2281 }

```

\HOLOGO@DriverFallback

```

2282 \def\HOLOGO@DriverFallback{dvips}

```



```

\hologoDriverSetup
2283 \def\hologoDriverSetup{%
2284   \let\hologoDriver\ltx@undefined
2285   \Hologo@DriverSetup
2286 }

\Hologo@DriverSetup
2287 \def\Hologo@DriverSetup#1{%
2288   \kvsetkeys{HoLogoDriver}{#1}%
2289   \Hologo@CheckDriver
2290   \ltx@ifundefined{hologoDriver}{%
2291     \begingroup
2292     \edef\x{\endgroup
2293       \noexpand\kvsetkeys{HoLogoDriver}{\Hologo@DriverFallback}%
2294     }\x
2295   }{}%
2296   \@PackageInfoNoLine{hologo}{Using driver `\'hologoDriver'}%
2297 }

\Hologo@CheckDriver
2298 \def\Hologo@CheckDriver{%
2299   \ifpdf
2300     \def\hologoDriver{pdftex}%
2301     \let\Hologo@pdfliteral\pdfliteral
2302     \ifluatex
2303       \ltx@ifundefined{Hologo@pdfliteral}{%
2304         \ifnum\luatexversion<36 %
2305         \else
2306           \begingroup
2307             \let\Hologo@temp\endgroup
2308             \ifcase0%
2309               \directlua{%
2310                 if tex.enableprimitives then %
2311                   tex.enableprimitives('Hologo@', {'pdfliteral'})%
2312                 else %
2313                   tex.print('1')%
2314                 end%
2315               }%
2316             \ifx\Hologo@pdfliteral\@undefined 1\fi%
2317             \relax%
2318           \endgroup
2319           \let\Hologo@temp\relax
2320           \global\let\Hologo@pdfliteral\Hologo@pdfliteral
2321         \fi%
2322         \Hologo@temp
2323       \fi
2324     }{}%
2325   \fi
2326   \ltx@ifundefined{Hologo@pdfliteral}{%
2327     \@PackageWarningNoLine{hologo}{%
2328       Cannot find \string\pdfliteral
2329     }%
2330   }{}%
2331   \else
2332     \ifxetex
2333       \def\hologoDriver{xetex}%
2334     \else
2335       \ifvtex
2336         \def\hologoDriver{vtex}%
2337       \fi
2338     \fi
2339   \fi
2340 }

```

LOGO@WarningUnsupportedDriver

```
2341 \def\HOLGO@WarningUnsupportedDriver#1{%
2342   \@PackageWarningNoLine{hologo}{%
2343     Logo `#1' needs driver specific macros,\MessageBreak
2344     but driver ``hologoDriver' is not supported.\MessageBreak
2345     Use a different driver or\MessageBreak
2346     load package `graphics' or `pgf'%
2347   }%
2348 }
```

### 2.12.1 Reflect box macros

Skip driver part if not needed.

```
2349 \ltx@ifundefined{reflectbox}{}{%
2350   \ltx@ifundefined{rotatebox}{}{%
2351     \HOLGO@AtEnd
2352   }%
2353 }
2354 \ltx@ifundefined{pgftext}{}{%
2355   \HOLGO@AtEnd
2356 }
2357 \ltx@ifundefined{psscalebox}{}{%
2358   \HOLGO@AtEnd
2359 }
2360 \def\HOLGO@temp{LaTeX2e}
2361 \ifx\fmtname\HOLGO@temp
2362   \RequirePackage{kvoptions}[2011/06/30]%
2363   \ProcessKeyvalOptions{HoLogoDriver}%
2364 \fi
2365 \HOLGO@DriverSetup{}
```

\HOLGO@ReflectBox

```
2366 \def\HOLGO@ReflectBox#1{%
2367   \begingroup
2368     \setbox\ltx@zero\hbox{\begingroup#1\endgroup}%
2369     \setbox\ltx@two\hbox{%
2370       \kern\wd\ltx@zero
2371       \csname HOLGO@ScaleBox@\hologoDriver\endcsname{-1}{1}{%
2372         \hbox to 0pt{\copy\ltx@zero\hss}%
2373       }%
2374     }%
2375     \wd\ltx@two=\wd\ltx@zero
2376     \box\ltx@two
2377   \endgroup
2378 }
```

\HOLGO@PointReflectBox

```
2379 \def\HOLGO@PointReflectBox#1{%
2380   \begingroup
2381     \setbox\ltx@zero\hbox{\begingroup#1\endgroup}%
2382     \setbox\ltx@two\hbox{%
2383       \kern\wd\ltx@zero
2384       \raise\ht\ltx@zero\hbox{%
2385         \csname HOLGO@ScaleBox@\hologoDriver\endcsname{-1}{-1}{%
2386           \hbox to 0pt{\copy\ltx@zero\hss}%
2387         }%
2388       }%
2389     }%
2390     \wd\ltx@two=\wd\ltx@zero
2391     \box\ltx@two
2392   \endgroup
2393 }
```

We must define all variants because of dynamic driver setup.

```
2394 \def\HOLOGO@temp#1#2{#2}
```

```
\HOLOGO@ScaleBox@pdftex
```

```
2395 \HOLOGO@temp{pdftex}{%
2396   \def\HOLOGO@ScaleBox@pdftex#1#2#3{%
2397     \HOLOGO@pdfliteral{%
2398       q #1 0 0 #2 0 0 cm%
2399     }%
2400     #3%
2401     \HOLOGO@pdfliteral{%
2402       Q%
2403     }%
2404   }%
2405 }
```

```
\HOLOGO@ScaleBox@dvips
```

```
2406 \HOLOGO@temp{dvips}{%
2407   \def\HOLOGO@ScaleBox@dvips#1#2#3{%
2408     \special{ps:%
2409       gsave %
2410       currentpoint %
2411       currentpoint translate %
2412       #1 #2 scale %
2413       neg exch neg exch translate%
2414     }%
2415     #3%
2416     \special{ps:%
2417       currentpoint %
2418       grestore %
2419       moveto%
2420     }%
2421   }%
2422 }
```

```
\HOLOGO@ScaleBox@dvipdfm
```

```
2423 \HOLOGO@temp{dvipdfm}{%
2424   \let\HOLOGO@ScaleBox@dvipdfm\HOLOGO@ScaleBox@dvips
2425 }
```

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

```
\HOLOGO@ScaleBox@xetex
```

```
2426 \HOLOGO@temp{xetex}{%
2427   \def\HOLOGO@ScaleBox@xetex#1#2#3{%
2428     \special{x:gsave}%
2429     \special{x:scale #1 #2}%
2430     #3%
2431     \special{x:grestore}%
2432   }%
2433 }
```

```
\HOLOGO@ScaleBox@vtex
```

```
2434 \HOLOGO@temp{vtex}{%
2435   \def\HOLOGO@ScaleBox@vtex#1#2#3{%
2436     \special{r(#1,0,0,#2,0,0)%
2437     #3%
2438     \special{r}}%
2439   }%
2440 }

2441 \HOLOGO@AtEnd%
2442 </package>
```

## 3 Test

### 3.1 Catcode checks for loading

```
2443 <*test1>
2444 \catcode`\{=1 %
2445 \catcode`\}=2 %
2446 \catcode`\#=6 %
2447 \catcode`\@=11 %
2448 \expandafter\ifx\csname count@\endcsname\relax
2449 \countdef\count@=255 %
2450 \fi
2451 \expandafter\ifx\csname @gobble\endcsname\relax
2452 \long\def\@gobble#1{}%
2453 \fi
2454 \expandafter\ifx\csname @firstofone\endcsname\relax
2455 \long\def\@firstofone#1{#1}%
2456 \fi
2457 \expandafter\ifx\csname loop\endcsname\relax
2458 \expandafter\@firstofone
2459 \else
2460 \expandafter\@gobble
2461 \fi
2462 {%
2463 \def\loop#1\repeat{%
2464 \def\body{#1}%
2465 \iterate
2466 }%
2467 \def\iterate{%
2468 \body
2469 \let\next\iterate
2470 \else
2471 \let\next\relax
2472 \fi
2473 \next
2474 }%
2475 \let\repeat=\fi
2476 }%
2477 \def\RestoreCatcodes{}
2478 \count@=0 %
2479 \loop
2480 \edef\RestoreCatcodes{%
2481 \RestoreCatcodes
2482 \catcode\the\count@=\the\catcode\count@\relax
2483 }%
2484 \ifnum\count@<255 %
2485 \advance\count@ 1 %
2486 \repeat
2487
2488 \def\RangeCatcodeInvalid#1#2{%
2489 \count@=#1\relax
2490 \loop
2491 \catcode\count@=15 %
2492 \ifnum\count@<#2\relax
2493 \advance\count@ 1 %
2494 \repeat
2495 }
2496 \def\RangeCatcodeCheck#1#2#3{%
2497 \count@=#1\relax
2498 \loop
2499 \ifnum#3=\catcode\count@
2500 \else
```

```

2501     \errmessage{%
2502         Character \the\count@\space
2503         with wrong catcode \the\catcode\count@\space
2504         instead of \number#3%
2505     }%
2506     \fi
2507     \ifnum\count@<#2\relax
2508         \advance\count@ 1 %
2509     \repeat
2510 }
2511 \def\space{ }
2512 \expandafter\ifx\csname LoadCommand\endcsname\relax
2513     \def\LoadCommand{\input hologo.sty\relax}%
2514 \fi
2515 \def\Test{%
2516     \RangeCatcodeInvalid{0}{47}%
2517     \RangeCatcodeInvalid{58}{64}%
2518     \RangeCatcodeInvalid{91}{96}%
2519     \RangeCatcodeInvalid{123}{255}%
2520     \catcode`\@=12 %
2521     \catcode`\|=0 %
2522     \catcode`\%=14 %
2523     \LoadCommand
2524     \RangeCatcodeCheck{0}{36}{15}%
2525     \RangeCatcodeCheck{37}{37}{14}%
2526     \RangeCatcodeCheck{38}{47}{15}%
2527     \RangeCatcodeCheck{48}{57}{12}%
2528     \RangeCatcodeCheck{58}{63}{15}%
2529     \RangeCatcodeCheck{64}{64}{12}%
2530     \RangeCatcodeCheck{65}{90}{11}%
2531     \RangeCatcodeCheck{91}{91}{15}%
2532     \RangeCatcodeCheck{92}{92}{0}%
2533     \RangeCatcodeCheck{93}{96}{15}%
2534     \RangeCatcodeCheck{97}{122}{11}%
2535     \RangeCatcodeCheck{123}{255}{15}%
2536     \RestoreCatcodes
2537 }
2538 \Test
2539 \csname @@end\endcsname
2540 \end
2541 </test1>

```

### 3.2 Spacefactor

The space factor must be 1000 after a logo. If it is greater 1000 then the following space is a space after a sentence closing point. If the space factor is smaller 1000 then an immediate following dot is interpreted as abbreviation, not sentence closing point.

```

2542 <*test-spacefactor>
2543 \NeedsTeXFormat{LaTeX2e}
2544 \documentclass{article}
2545 \usepackage{hologo}[2012/04/26]
2546 \usepackage{kvsetkeys}
2547 \usepackage{qstest}
2548 \IncludeTests{*}
2549 \LogTests{log}{*}{*}
2550 \begin{document}
2551 \begin{qstest}{spacefactor}{spacefactor}
2552 \newcommand*{\Test}[1]{%
2553     \sbox0{%
2554         \hologo{#1}%
2555         \Expect*{1000 (#1)}*{\the\spacefactor\space(#1)}%

```

```

2556 }%
2557 }%
2558 \makeatletter
2559 \def\TestList{}
2560 \def\hologoEntry#1#2#3{%
2561   \edef\TestList{%
2562     \ifx\TestList\@empty
2563       \else
2564         \TestList,%
2565       \fi
2566       #1%
2567       \ifx\|#2\|
2568       \else
2569         ={variant=#2}%
2570       \fi
2571   }%
2572 }
2573 \hologoList
2574 \expandafter\kv@parse@normalized\expandafter{%
2575   \TestList
2576 }{%
2577   \begingroup
2578     \let\@logo=\kv@key
2579     \ifx\kv@value\relax
2580     \else
2581       \expandafter\hologoLogoSetup\expandafter\@logo\expandafter{%
2582         \kv@value
2583       }%
2584     \fi
2585     \Test\@logo
2586   \endgroup
2587   \@gobbletwo
2588 }
2589 \end{qstest}
2590 \end{document}
2591 </test-spacefactor>

```

### 3.3 Complete list

```

2592 <*test-list>
2593 \NeedsTeXFormat{LaTeX2e}
2594 \documentclass[12pt,a4paper]{article}
2595 \usepackage{hologo}[2012/04/26]
2596 \usepackage[T1]{fontenc}
2597 \usepackage{lmodern}
2598 \usepackage{parskip}
2599 \usepackage[unicode]{hyperref}[2011/09/28]
2600 \usepackage{bookmark}[2011/09/19]
2601 \bookmarksetup{%
2602   numbered,%
2603   open,%
2604   openlevel=2,%
2605 }
2606 \renewcommand*{\contentsname}{List of logos}
2607 \begin{document}
2608 \tableofcontents
2609 \def\TestFont#1#2#3#4#5#6{%
2610   \begingroup
2611     \usefont{#3}{#4}{#5}{#6}%
2612     \HologoVariant{#1}{#2}/\hologoVariant{#1}{#2}%
2613     \quad
2614     \begingroup\scriptsize\hologoVariant{#1}{#2}\endgroup

```

```

2615 \quad
2616 \endgroup
2617 (#3/#4/#5/#6)%
2618 \par
2619 }
2620 \makeatletter
2621 \def\hologoEntry#1#2#3{%
2622 \section{%
2623 \HologoVariant{#1}{#2}/\hologoVariant{#1}{#2} %
2624 {[#1\ifx\#2\else\space#2\fi]}% hash-ok
2625 }% braces around [] because of bug in tex4ht
2626 \begingroup
2627 \hypersetup{unicode=false}%
2628 \bookmark[%
2629 dest=\@currentHref,%
2630 rellevel=1,%
2631 keeplevel,%
2632 ]{%
2633 \HologoVariant{#1}{#2}/\hologoVariant{#1}{#2} %
2634 (PDFDocEncoding)%
2635 }%
2636 \endgroup
2637 \TestFont{#1}{#2}{OT1}{cmr}{m}{n}%
2638 \TestFont{#1}{#2}{OT1}{cmss}{m}{n}%
2639 \TestFont{#1}{#2}{OT1}{cmr}{b}{n}%
2640 \TestFont{#1}{#2}{OT1}{cmr}{m}{it}%
2641 \TestFont{#1}{#2}{OT1}{cmtt}{m}{n}%
2642 \TestFont{#1}{#2}{T1}{lmr}{m}{n}%
2643 \TestFont{#1}{#2}{T1}{lms}{m}{n}%
2644 \TestFont{#1}{#2}{T1}{lmr}{b}{n}%
2645 \TestFont{#1}{#2}{T1}{lmr}{m}{it}%
2646 \TestFont{#1}{#2}{T1}{lmtt}{m}{n}%
2647 \TestFont{#1}{#2}{T1}{lmtt}{m}{n}%
2648 \TestFont{#1}{#2}{T1}{qtm}{m}{n}%
2649 \TestFont{#1}{#2}{T1}{qhv}{m}{n}%
2650 \TestFont{#1}{#2}{T1}{qtm}{b}{n}%
2651 \TestFont{#1}{#2}{T1}{qtm}{m}{it}%
2652 \TestFont{#1}{#2}{T1}{qcr}{m}{n}%
2653 \newpage
2654 }
2655 \makeatother
2656 \hologoList
2657 \end{document}
2658 </test-list>

```

## 4 Installation

### 4.1 Download

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

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

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

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

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

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

<sup>1</sup>[ftp://ftp.ctan.org/tex-archive/](http://ftp.ctan.org/tex-archive/)

## 4.2 Bundle installation

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

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

**Script installation.** Check the directory `TDS:scripts/oberdiek/` for scripts that need further installation steps. Package `attachfile2` comes with the Perl script `pdfatfi.pl` that should be installed in such a way that it can be called as `pdfatfi`. Example (linux):

```
chmod +x scripts/oberdiek/pdfatfi.pl
cp scripts/oberdiek/pdfatfi.pl /usr/local/bin/
```

## 4.3 Package installation

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

```
tex hologo.dtx
```

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

|   |  |
|---|--|
| <code>hologo.sty</code>                       | → <code>tex/generic/oberdiek/hologo.sty</code>                     |
| <code>hologo.pdf</code>                       | → <code>doc/latex/oberdiek/hologo.pdf</code>                       |
| <code>example/hologo-example.tex</code>       | → <code>doc/latex/oberdiek/example/hologo-example.tex</code>       |
| <code>test/hologo-test1.tex</code>            | → <code>doc/latex/oberdiek/test/hologo-test1.tex</code>            |
| <code>test/hologo-test-spacefactor.tex</code> | → <code>doc/latex/oberdiek/test/hologo-test-spacefactor.tex</code> |
| <code>test/hologo-test-list.tex</code>        | → <code>doc/latex/oberdiek/test/hologo-test-list.tex</code>        |
| <code>hologo.dtx</code>                       | → <code>source/latex/oberdiek/hologo.dtx</code>                    |

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`.

## 4.4 Refresh file name databases

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

## 4.5 Some details for the interested

**Attached source.** The PDF documentation on CTAN also includes the `.dtx` source file. It can be extracted by AcrobatReader 6 or higher. Another option is `pdftk`, e.g. unpack the file into the current directory:

```
pdftk hologo.pdf unpack_files output .
```

**Unpacking with L<sup>A</sup>T<sub>E</sub>X.** The `.dtx` chooses its action depending on the format:

**plain T<sub>E</sub>X:** Run `docstrip` and extract the files.

**L<sup>A</sup>T<sub>E</sub>X:** Generate the documentation.

If you insist on using L<sup>A</sup>T<sub>E</sub>X for `docstrip` (really, `docstrip` does not need L<sup>A</sup>T<sub>E</sub>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 pdfL<sup>A</sup>T<sub>E</sub>X:

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

## 5 Catalogue

The following XML file can be used as source for the [T<sub>E</sub>X Catalogue](#). The elements `caption` and `description` are imported from the original XML file from the Catalogue. The name of the XML file in the Catalogue is `hologo.xml`.

```
2659 <*catalogue>
2660 <?xml version='1.0' encoding='us-ascii'?>
2661 <!DOCTYPE entry SYSTEM 'catalogue.dtd'>
2662 <entry datestamp='$Date$' modifier='$Author$' id='hologo'>
2663   <name>hologo</name>
2664   <caption>A collection of logos with bookmark support.</caption>
2665   <authorref id='auth:oberdiek'>
2666     <copyright owner='Heiko Oberdiek' year='2010-2012'>
2667       <license type='lppl1.3'>
2668         <version number='1.10'>
2669         <description>
2670           The package defines a single command <tt>\hologo</tt>, whose
2671           argument is the usual case-confused ASCII version of the logo.
2672           The command is bookmark-enabled, so that every logo becomes
2673           available in bookmarks without further work.
2674         <p/>
2675           The package is part of the <xref refid='oberdiek'>oberdiek</xref>
2676           bundle.
2677         </description>
2678         <documentation details='Package documentation'
2679           href='ctan:/macros/latex/contrib/oberdiek/hologo.pdf'>
2680         <ctan file='true' path='/macros/latex/contrib/oberdiek/hologo.dtx'>
2681         <miktex location='oberdiek'>
2682         <texlive location='oberdiek'>
2683         <install path='/macros/latex/contrib/oberdiek/oberdiek.tds.zip'>
2684       </entry>
2685 </catalogue>
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## 7 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>E<sub>X</sub> added.

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

- ini<sub>T</sub>E<sub>X</sub>, vir<sub>T</sub>E<sub>X</sub> added.

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

- Con<sub>T</sub>E<sub>X</sub>t with variants added.
- Option discretionarybreak added as refinement for option break.

### [2011/04/21 v1.5]

- Wrong TDS directory for test files fixed.

### [2011/10/01 v1.6]

- Support for package tex4ht added.
- Support for \csname added if \ifincsname is available.

- New logos:  $\LaTeX$ , biber,  $\BibTeX$  (sc, sf),  $\emTeX$ ,  $\varepsilon_X\TeX$ , KOMA-Script,  $\LaTeX$ ,  $\LyX$ ,  $\MiKTeX$ ,  $\mathcal{S}$ ,  $\OzMF$ ,  $\OzMP$ ,  $\OzTeX$ ,  $\OzTtH$ ,  $\PCTeX$ ,  $\P_C$ ,  $\P_C\TeX$ , METAFONT, MetaFun, METAPOST, MetaPost,  $\SLTeX$  (lift, narrow, simple),  $\SLTeX$  (narrow, simple, lift),  $\TeX$ .
- Fixes:  $\iniTeX$ ,  $\pdfLaTeX$ ,  $\pdfTeX$ ,  $\virTeX$ .
- $\hologoFontSetup$  and  $\hologoLogoFontSetup$  added.
- $\hologoVariant$  and  $\HologoVariant$  added.

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

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

## [2011/11/29 v1.8]

- New logos: Hàn Thế Thành.

## [2011/12/21 v1.9]

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

## [2012/04/26 v1.10]

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

# 8 Index

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