

The `hologo` package

Heiko Oberdiek
<heiko.oberdiek at gmail.com>

2011/03/25 v1.4

Abstract

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

Contents

1	Documentation	2
1.1	Logo macros	2
1.2	Setup macros	2
1.3	Options	3
2	Implementation	3
2.1	Load resources	5
2.2	Setup macros	6
2.3	Options	6
2.4	Break/no-break support	8
2.5	<code>\hologo</code>	9
2.6	Helpers	11
2.7	<code>T_EX</code> and friends	12
2.7.1	<code>T_EX</code>	12
2.7.2	plain <code>T_EX</code>	12
2.7.3	<code>L^AT_EX</code>	13
2.7.4	<code>L^AT_EX 2_ε</code>	13
2.7.5	<code>L^AT_EX3</code>	13
2.7.6	<code>ε-T_EX</code>	14
2.7.7	<code>iniT_EX</code>	14
2.7.8	<code>iniT_EX</code>	14
2.7.9	<code>LuaT_EX</code>	14
2.7.10	<code>LuaL^AT_EX</code>	15
2.7.11	<code>X_YT_EX</code> , <code>X_YL^AT_EX</code>	15
2.7.12	<code>pdfT_EX</code> , <code>pdfL^AT_EX</code>	15
2.7.13	<code>V_TE_X</code>	15
2.7.14	<code>AMS</code> , ...	16
2.7.15	<code>ConT_EXt</code>	16
2.8	Driver detection	17
3	Test	20
3.1	Catcode checks for loading	20
3.2	Spacefactor	22
4	Installation	23
4.1	Download	23
4.2	Bundle installation	23
4.3	Package installation	23
4.4	Refresh file name databases	24
4.5	Some details for the interested	24

5 History	24
[2010/04/08 v1.0]	24
[2010/04/16 v1.1]	25
[2010/04/24 v1.2]	25
[2010/11/21 v1.3]	25
[2011/03/25 v1.4]	25
6 Index	25

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
AmSLaTeX		$\mathcal{A}\mathcal{M}\mathcal{S}\text{-}\mathcal{L}\text{A}\text{T}\text{E}\text{X}$	2010/04/16
AmSTeX		$\mathcal{A}\mathcal{M}\mathcal{S}\text{-}\text{T}\text{E}\text{X}$	2010/04/16
ConTeXt		ConT _E Xt	2011/03/25
ConTeXt	narrow	ConT _E Xt	2011/03/25
ConTeXt	simple	ConT _E Xt	2011/03/25
eTeX		$\varepsilon\text{-T}\text{E}\text{X}$	2010/04/08
iniTeX		iniT _E X	2010/11/21
LaTeX		L ^A T _E X	2010/04/08
LaTeX2e		L ^A T _E X 2 _ε	2010/04/08
LaTeX3		L ^A T _E X3	2010/04/24
LaTeXe		L ^A T _E X 2 _ε	2010/04/08
LuaLaTeX		LuaL ^A T _E X	2010/04/08
LuaTeX		LuaT _E X	2010/04/08
pdfTeX		pdfT _E X	2010/04/08
pdfLaTeX		pdfL ^A T _E X	2010/04/08
plainTeX		plain T _E X	2010/04/08
plainTeX	space	plain T _E X	2010/04/16
plainTeX	hyphen	plain-T _E X	2010/04/16
plainTeX	runtogether	plainT _E X	2010/04/16
TeX		T _E X	2010/04/08
virTeX		iniT _E X	2010/11/21
VTeX		VT _E X	2010/04/24
XeLaTeX		X _Ǝ L ^A T _E X	2010/04/08
XeTeX		X _Ǝ T _E X	2010/04/08

`\Hologo {⟨name⟩}`

Macro `\Hologo` starts the logo $\langle name \rangle$ with an uppercase letter.

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.
```

2 Implementation

```
1 (*package)
```

Reload check, especially if the package is not used with L^AT_EX.

```
2 \begingroup\catcode61\catcode48\catcode32=10\relax%
3 \catcode13=5 % ^^M
4 \endlinechar=13 %
5 \catcode35=6 % #
6 \catcode39=12 % '
7 \catcode44=12 % ,
8 \catcode45=12 % -
9 \catcode46=12 % .
10 \catcode58=12 % :
11 \catcode64=11 % @
12 \catcode123=1 % {
13 \catcode125=2 % }
14 \expandafter\let\expandafter\x\csname ver@hologo.sty\endcsname
15 \ifx\x\relax % plain-TeX, first loading
16 \else
17 \def\empty{}%
18 \ifx\x\empty % LaTeX, first loading,
```

```

19      % variable is initialized, but \ProvidesPackage not yet seen
20      \else
21        \expandafter\ifx\csname PackageInfo\endcsname\relax
22        \def\x#1#2{%
23          \immediate\write-1{Package #1 Info: #2.}%
24        }%
25      \else
26        \def\x#1#2{\PackageInfo{#1}{#2, stopped}}%
27      \fi
28      \x{hologo}{The package is already loaded}%
29      \aftergroup\endinput
30    \fi
31  \fi
32 \endgroup%

```

Package identification:

```

33 \begingroup\catcode61\catcode48\catcode32=10\relax%
34 \catcode13=5 % ^~M
35 \endlinechar=13 %
36 \catcode35=6 % #
37 \catcode39=12 % '
38 \catcode40=12 % (
39 \catcode41=12 % )
40 \catcode44=12 % ,
41 \catcode45=12 % -
42 \catcode46=12 % .
43 \catcode47=12 % /
44 \catcode58=12 % :
45 \catcode64=11 % @
46 \catcode91=12 % [
47 \catcode93=12 % ]
48 \catcode123=1 % {
49 \catcode125=2 % }
50 \expandafter\ifx\csname ProvidesPackage\endcsname\relax
51   \def\x#1#2#3[#4]{\endgroup
52     \immediate\write-1{Package: #3 #4}%
53     \xdef#1{#4}%
54   }%
55 \else
56   \def\x#1#2[#3]{\endgroup
57     #2[{#3}]%
58     \ifx#1\@undefined
59       \xdef#1{#3}%
60     \fi
61     \ifx#1\relax
62       \xdef#1{#3}%
63     \fi
64   }%
65 \fi
66 \expandafter\x\csname ver@hologo.sty\endcsname
67 \ProvidesPackage{hologo}%
68 [2011/03/25 v1.4 Logo collection (H0)]%
69 \begingroup\catcode61\catcode48\catcode32=10\relax%
70 \catcode13=5 % ^~M
71 \endlinechar=13 %
72 \catcode123=1 % {
73 \catcode125=2 % }
74 \catcode64=11 % @
75 \def\x{\endgroup
76   \expandafter\edef\csname H0LOGO@AtEnd\endcsname{%
77     \endlinechar=\the\endlinechar\relax
78     \catcode13=\the\catcode13\relax
79     \catcode32=\the\catcode32\relax

```

```

80      \catcode35=\the\catcode35\relax
81      \catcode61=\the\catcode61\relax
82      \catcode64=\the\catcode64\relax
83      \catcode123=\the\catcode123\relax
84      \catcode125=\the\catcode125\relax
85  }%
86 }%
87  \x\catcode61\catcode48\catcode32=10\relax%
88  \catcode13=5 % ^^M
89  \endlinechar=13 %
90  \catcode35=6 % #
91  \catcode64=11 % @
92  \catcode123=1 % {
93  \catcode125=2 % }
94  \def\TMP@EnsureCode#1#2{%
95    \edef\HOLGO@AtEnd{%
96      \HOLGO@AtEnd
97      \catcode#1=\the\catcode#1\relax
98    }%
99    \catcode#1=#2\relax
100 }
101 \TMP@EnsureCode{10}{12}% ^^J
102 \TMP@EnsureCode{33}{12}% !
103 \TMP@EnsureCode{36}{3}% $
104 \TMP@EnsureCode{39}{12}% '
105 \TMP@EnsureCode{40}{12}% (
106 \TMP@EnsureCode{41}{12}% )
107 \TMP@EnsureCode{42}{12}% *
108 \TMP@EnsureCode{43}{12}% +
109 \TMP@EnsureCode{44}{12}% ,
110 \TMP@EnsureCode{45}{12}% -
111 \TMP@EnsureCode{46}{12}% .
112 \TMP@EnsureCode{47}{12}% /
113 \TMP@EnsureCode{58}{12}% :
114 \TMP@EnsureCode{59}{12}% ;
115 \TMP@EnsureCode{60}{12}% <
116 \TMP@EnsureCode{62}{12}% >
117 \TMP@EnsureCode{63}{12}% ?
118 \TMP@EnsureCode{91}{12}% [
119 \TMP@EnsureCode{93}{12}% ]
120 \TMP@EnsureCode{94}{7}% ^ (superscript)
121 \TMP@EnsureCode{95}{8}% _ (subscript)
122 \TMP@EnsureCode{96}{12}% '
123 \TMP@EnsureCode{124}{12}% |
124 \edef\HOLGO@AtEnd{%
125   \HOLGO@AtEnd
126   \escapechar\the\escapechar\relax
127   \noexpand\endinput
128 }
129 \escapechar=92 %

```

2.1 Load resources

```

130 \begingroup\expandafter\expandafter\expandafter\endgroup
131 \expandafter\ifx\csname RequirePackage\endcsname\relax
132   \input ltxcmds.sty\relax
133   \input infwarerr.sty\relax
134   \input kvsetkeys.sty\relax
135   \input kvdefinekeys.sty\relax
136   \input pdftexcmds.sty\relax
137   \input ifpdf.sty\relax
138   \input ifluatex.sty\relax
139   \input ifxetex.sty\relax

```

```

140 \input ifvtex.sty\relax
141 \else
142 \RequirePackage{ltxcmds}[2010/04/16]%
143 \RequirePackage{infwarerr}[2010/04/08]%
144 \RequirePackage{kvsetkeys}[2010/03/01]%
145 \RequirePackage{kvdefinekeys}[2010/03/01]%
146 \RequirePackage{pdftexcmds}[2010/04/01]%
147 \RequirePackage{ifpdf}[2010/01/28]%
148 \RequirePackage{ifluatex}[2010/03/01]%
149 \RequirePackage{ifxetex}[2009/01/23]%
150 \RequirePackage{ifvtex}[2010/03/01]%
151 \fi

```

`\Hologo@IfDefined`

```

152 \def\Hologo@IfExists#1{%
153   \ifx\@undefined#1%
154     \expandafter\ltx@secondoftwo
155   \else
156     \ifx\relax#1%
157       \expandafter\ltx@secondoftwo
158     \else
159       \expandafter\expandafter\expandafter\ltx@firstoftwo
160     \fi
161   \fi
162 }

```

2.2 Setup macros

`\hologoSetup`

```

163 \def\hologoSetup{%
164   \let\Hologo@name\relax
165   \Hologo@Setup
166 }

```

`\hologoLogoSetup`

```

167 \def\hologoLogoSetup#1{%
168   \edef\Hologo@name{#1}%
169   \ltx@ifundefined{HoLogo@\Hologo@name}{%
170     \@PackageError{hologo}{%
171       Unknown logo ‘\Hologo@name’%
172     }\@ehc
173     \@gobble
174   }{%
175     \Hologo@Setup
176   }%
177 }

```

`\Hologo@Setup`

```

178 \def\Hologo@Setup{%
179   \kvsetkeys{HoLogo}%
180 }

```

2.3 Options

`\Hologo@DefineBoolOption`

```

181 \def\Hologo@DeclareBoolOption#1{%
182   \expandafter\chardef\csname HologoOPT@#1\endcsname\ltx@zero
183   \kv@define@key{HoLogo}{#1}[true]{%
184     \def\Hologo@temp{##1}%
185     \ifx\Hologo@temp\Hologo@true
186       \ifx\Hologo@name\relax

```

```

187     \expandafter\chardef\csname HOLOGOOPT@#1\endcsname=\ltx@one
188   \else
189     \expandafter\chardef\csname
190       HoLogoOpt@#1@HOLOGO@name\endcsname\ltx@one
191   \fi
192   \HOLOGO@SetBreakAll{#1}%
193 \else
194   \ifx\HOLOGO@temp\HOLOGO@false
195     \ifx\HOLOGO@name\relax
196       \expandafter\chardef\csname HOLOGOOPT@#1\endcsname=\ltx@zero
197     \else
198       \expandafter\chardef\csname
199         HoLogoOpt@#1@HOLOGO@name\endcsname=\ltx@zero
200     \fi
201     \HOLOGO@SetBreakAll{#1}%
202   \else
203     \@PackageError{hologo}{%
204       Unknown value ‘##1’ for boolean option ‘#1’.\MessageBreak
205       Known values are ‘true’ and ‘false’%
206     }\@ehc
207   \fi
208 \fi
209 }%
210 }

```

\HOLOGO@SetBreakAll

```

211 \def\HOLOGO@SetBreakAll#1{%
212   \def\HOLOGO@temp{#1}%
213   \ifx\HOLOGO@temp\HOLOGO@break
214     \ifx\HOLOGO@name\relax
215       \chardef\HOLOGOOPT@hyphenbreak=\HOLOGOOPT@break
216       \chardef\HOLOGOOPT@spacebreak=\HOLOGOOPT@break
217       \chardef\HOLOGOOPT@discretionarybreak=\HOLOGOOPT@break
218     \else
219       \expandafter\chardef
220         \csname HoLogoOpt@hyphenbreak@HOLOGO@name\endcsname=%
221       \csname HoLogoOpt@break@HOLOGO@name\endcsname
222     \expandafter\chardef
223       \csname HoLogoOpt@spacebreak@HOLOGO@name\endcsname=%
224     \csname HoLogoOpt@break@HOLOGO@name\endcsname
225     \expandafter\chardef
226       \csname HoLogoOpt@discretionarybreak@HOLOGO@name
227         \endcsname=%
228     \csname HoLogoOpt@break@HOLOGO@name\endcsname
229   \fi
230 \fi
231 }

```

\HOLOGO@true

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

\HOLOGO@false

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

\HOLOGO@break

```
234 \def\HOLOGO@break{break}
```

```
235 \HOLOGO@DeclareBoolOption{break}
```

```
236 \HOLOGO@DeclareBoolOption{hyphenbreak}
```

```
237 \HOLOGO@DeclareBoolOption{spacebreak}
```

```
238 \HOLOGO@DeclareBoolOption{discretionarybreak}
```

```

239 \kv@define@key{HoLogo}{variant}{%
240   \ifx\HOLOGO@name\relax
241     \@PackageError{hologo}{%
242       Option 'variant' is not available in \string\hologoSetup,%
243       \MessageBreak
244       Use \string\hologoLogoSetup\space instead%
245     }\@ehc
246   \else
247     \edef\HOLOGO@temp{#1}%
248     \ifx\HOLOGO@temp\ltx@empty
249       \expandafter
250       \let\csname HoLogoOpt@variant@\HOLOGO@name\endcsname\@undefined
251     \else
252       \ltx@ifundefined{HoLogo@\HOLOGO@name @\HOLOGO@temp}{%
253         \@PackageError{hologo}{%
254           Unknown variant '\HOLOGO@temp' of logo '\HOLOGO@name'%
255         }\@ehc
256       }{%
257         \expandafter
258         \let\csname HoLogoOpt@variant@\HOLOGO@name\endcsname
259           \HOLOGO@temp
260       }%
261     \fi
262   \fi
263 }

```

\HOLOGO@Variant

```

264 \def\HOLOGO@Variant#1{%
265   #1%
266   \ltx@ifundefined{HoLogoOpt@variant@#1}{%
267     {%
268       @\csname HoLogoOpt@variant@#1\endcsname
269     }%
270 }

```

2.4 Break/no-break support

\HOLOGO@space

```

271 \def\HOLOGO@space{%
272   \ltx@ifundefined{HoLogoOpt@spacebreak@\HOLOGO@name}{%
273     \ltx@ifundefined{HoLogoOpt@break@\HOLOGO@name}{%
274       \chardef\HOLOGO@temp=\HOLOGO@OPT@spacebreak
275     }{%
276       \chardef\HOLOGO@temp=%
277       \csname HoLogoOpt@break@\HOLOGO@name\endcsname
278     }%
279   }{%
280     \chardef\HOLOGO@temp=%
281     \csname HoLogoOpt@spacebreak@\HOLOGO@name\endcsname
282   }%
283   \ifcase\HOLOGO@temp
284     \penalty10000 %
285   \fi
286   \ltx@space
287 }

```

\HOLOGO@hyphen

```

288 \def\HOLOGO@hyphen{%
289   \ltx@ifundefined{HoLogoOpt@hyphenbreak@\HOLOGO@name}{%
290     \ltx@ifundefined{HoLogoOpt@break@\HOLOGO@name}{%
291       \chardef\HOLOGO@temp=\HOLOGO@OPT@hyphenbreak

```



```

292 }{%
293   \chardef\HOLOGO@temp=%
294   \csname HoLogoOpt@break@\HOLOGO@name\endcsname
295 }%
296 }{%
297   \chardef\HOLOGO@temp=%
298   \csname HoLogoOpt@hyphenbreak@\HOLOGO@name\endcsname
299 }%
300 \ifcase\HOLOGO@temp
301   \ltx@mbox{-}%
302 \else
303   -%
304 \fi
305 }

```

\HOLOGO@discretionary

```

306 \def\HOLOGO@discretionary{%
307   \ltx@ifundefined{HoLogoOpt@discretionarybreak@\HOLOGO@name}{%
308     \ltx@ifundefined{HoLogoOpt@break@\HOLOGO@name}{%
309       \chardef\HOLOGO@temp=\HOLOGO@OPT@discretionarybreak
310     }{%
311       \chardef\HOLOGO@temp=%
312       \csname HoLogoOpt@break@\HOLOGO@name\endcsname
313     }%
314   }{%
315     \chardef\HOLOGO@temp=%
316     \csname HoLogoOpt@discretionarybreak@\HOLOGO@name\endcsname
317   }%
318   \ifcase\HOLOGO@temp
319   \else
320     \-%
321   \fi
322 }

```

\HOLOGO@mbox

```

323 \def\HOLOGO@mbox#1{%
324   \ltx@ifundefined{HoLogoOpt@break@\HOLOGO@name}{%
325     \chardef\HOLOGO@temp=\HOLOGO@OPT@hyphenbreak
326   }{%
327     \chardef\HOLOGO@temp=%
328     \csname HoLogoOpt@break@\HOLOGO@name\endcsname
329   }%
330   \ifcase\HOLOGO@temp
331     \ltx@mbox{#1}%
332   \else
333     #1%
334   \fi
335 }

```

2.5 \hologo

```

336 \HOLOGO@IfExists\hologo{%
337   \@PackageError{hologo}{%
338     \string\hologo\ltx@space is already defined.\MessageBreak
339     Package loading is aborted%
340   }\@ehc
341   \HOLOGO@AtEnd
342 }%
343 \HOLOGO@IfExists\hologorobust{%
344   \@PackageError{hologo}{%
345     \string\hologorobust\ltx@space is already defined.\MessageBreak
346     Package loading is aborted%

```

```

347 } \@ehc
348 \HOLOGO@AtEnd
349 }%

\hologorobust
350 \ltx@ifundefined{protected}{%
351   \ltx@ifundefined{DeclareRobustCommand}{%
352     \def\hologorobust#1%
353   }{%
354     \DeclareRobustCommand*\hologorobust[1]%
355   }%
356 }{%
357   \protected\def\hologorobust#1%
358 }%
359 {%
360   \edef\HOLOGO@name{#1}%
361   \ltx@ifundefined{HoLogo@\HOLOGO@Variant\HOLOGO@name}{%
362     \@PackageError{hologo}{%
363       Unknown logo '\HOLOGO@name'%
364     } \@ehc
365     ?\HOLOGO@name?%
366   }{%
367     \csname HoLogo@\HOLOGO@Variant\HOLOGO@name\endcsname\ltx@firstoftwo
368   }%
369 }

\hologo
370 \def\hologo#1{%
371   \HOLOGO@ifExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
372   {%
373     \hologorobust{#1}%
374   }{%
375     \ltx@ifundefined{HoLogoBkm@\HOLOGO@Variant{#1}}{%
376       \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
377     }{%
378       \csname HoLogoBkm@\HOLOGO@Variant{#1}\endcsname\ltx@firstoftwo
379     }%
380   }%
381 }

\Hologorobust
382 \ltx@ifundefined{protected}{%
383   \ltx@ifundefined{DeclareRobustCommand}{%
384     \def\Hologorobust#1%
385   }{%
386     \DeclareRobustCommand*\Hologorobust[1]%
387   }%
388 }{%
389   \protected\def\Hologorobust#1%
390 }%
391 {%
392   \edef\HOLOGO@name{#1}%
393   \ltx@ifundefined{HoLogo@\HOLOGO@Variant\HOLOGO@name}{%
394     \@PackageError{hologo}{%
395       Unknown logo '\HOLOGO@name'%
396     } \@ehc
397     ?\HOLOGO@name?%
398   }{%
399     \csname HoLogo@\HOLOGO@Variant\HOLOGO@name\endcsname\ltx@secondoftwo
400   }%
401 }

```

\Hologo

```
402 \def\Hologo#1{%
403   \Hologo@IfExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
404   {%
405     \Hologorobust{#1}%
406   }{%
407     \ltx@ifundefined{HoLogoBkm@\Hologo@Variant{#1}}{%
408       \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
409     }{%
410       \csname HoLogoBkm@\Hologo@Variant{#1}\endcsname\ltx@secondoftwo
411     }%
412   }%
413 }
```

2.6 Helpers

\Hologo@PdfdocUnicode

```
414 \def\Hologo@PdfdocUnicode{%
415   \ifx\ifHy@unicode\iftrue
416     \expandafter\ltx@secondoftwo
417   \else
418     \expandafter\ltx@firstoftwo
419   \fi
420 }
```

\Hologo@Math

```
421 \def\Hologo@MathSetup{%
422   \mathsurroundOpt\relax
423   \Hologo@IfExists\f@series{%
424     \if b\expandafter\ltx@car\f@series x\@nil
425     \csname boldmath\endcsname
426   \fi
427   }{%}%
428 }
```

\Hologo@TempDimen

```
429 \dimendef\Hologo@TempDimen=\ltx@zero
```

\Hologo@NegativeKerning

```
430 \def\Hologo@NegativeKerning#1{%
431   \begingroup
432     \Hologo@TempDimen=0pt\relax
433     \comma@parse@normalized{#1}{%
434       \ifdim\Hologo@TempDimen=0pt %
435         \expandafter\Hologo@@NegativeKerning\comma@entry
436       \fi
437       \ltx@gobble
438     }%
439     \ifdim\Hologo@TempDimen<0pt %
440       \kern\Hologo@TempDimen
441     \fi
442   \endgroup
443 }
```

\Hologo@@NegativeKerning

```
444 \def\Hologo@@NegativeKerning#1#2{%
445   \setbox\ltx@zero\hbox{#1#2}%
446   \Hologo@TempDimen=\wd\ltx@zero
447   \setbox\ltx@zero\hbox{#1\kern0pt#2}%
448   \advance\Hologo@TempDimen by -\wd\ltx@zero
449 }
```

`\HOLOGO@SpaceFactor`

```
450 \def\HOLOGO@SpaceFactor{%  
451   \spacefactor1000 %  
452 }
```

2.7 T_EX and friends

2.7.1 T_EX

`\HoLogo@TeX` Source: L^AT_EX kernel.

```
453 \def\HoLogo@TeX#1{%  
454   T\kern-.1667em\lower.5ex\hbox{E}\kern-.125emX\HOLOGO@SpaceFactor  
455 }
```

2.7.2 plain T_EX

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

```
456 \def\HoLogo@plainTeX@space#1{%  
457   \HOLOGO@mbox{#1{p}{P}lain}\HOLOGO@space\hologo{TeX}%  
458 }
```

`\HoLogoBkm@plainTeX@space`

```
459 \def\HoLogoBkm@plainTeX@space#1{%  
460   #1{p}{P}lain \hologo{TeX}%  
461 }
```

`\HoLogo@plainTeX@hyphen`

```
462 \def\HoLogo@plainTeX@hyphen#1{%  
463   \HOLOGO@mbox{#1{p}{P}lain}\HOLOGO@hyphen\hologo{TeX}%  
464 }
```

`\HoLogoBkm@plainTeX@hyphen`

```
465 \def\HoLogoBkm@plainTeX@hyphen#1{%  
466   #1{p}{P}lain\hologo{TeX}%  
467 }
```

`\HoLogo@plainTeX@runtogether`

```
468 \def\HoLogo@plainTeX@runtogether#1{%  
469   \HOLOGO@mbox{#1{p}{P}lain\hologo{TeX}}%  
470 }
```

`\HoLogoBkm@plainTeX@runtogether`

```
471 \def\HoLogoBkm@plainTeX@runtogether#1{%  
472   #1{p}{P}lain\hologo{TeX}%  
473 }
```

`\HoLogo@plainTeX`

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

`\HoLogoBkm@plainTeX`

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

2.7.3 L^AT_EX

\HoLogo@LaTeX Source: L^AT_EX kernel.

```
476 \def\HoLogo@LaTeX#1{%
477   L%
478   \kern-.36em%
479   \begingroup
480     \setbox\ltx@zero\hbox{T}%
481     \vbox to\ht\ltx@zero{%
482       \hbox{%
483         \ltx@ifundefined{check@mathfonts}{%
484           \csname sevenrm\endcsname
485         }{%
486           \check@mathfonts
487           \fontsize\sf@size\z@
488           \math@fontsfalse\selectfont
489         }%
490         A%
491       }%
492       \vss
493     }%
494   \endgroup
495   \kern-.15em%
496   \hologo{TeX}%
497 }
```

2.7.4 L^AT_EX 2_ε

\HoLogo@LaTeXe Source: L^AT_EX kernel

```
498 \def\HoLogo@LaTeXe#1{%
499   \hologo{LaTeX}%
500   \kern.15em%
501   \hbox{%
502     \HOLOGO@MathSetup
503     2%
504     $_{\textstyle\varepsilon}$%
505   }%
506 }
```

\HoLogoBkm@LaTeXe

```
507 \def\HoLogoBkm@LaTeXe#1{%
508   \hologo{LaTeX}%
509   2%
510   \HOLOGO@PdfdocUnicode{e}{\textepsilon}%
511 }
```

\HoLogo@LaTeX2e

```
512 \expandafter\let\csname HoLogo@LaTeX2e\endcsname\HoLogo@LaTeXe
```

\HoLogoBkm@LaTeX2e

```
513 \expandafter\let\csname HoLogoBkm@LaTeX2e\endcsname\HoLogoBkm@LaTeXe
```

2.7.5 L^AT_EX 3

\HoLogo@LaTeX3 Source: L^AT_EX kernel

```
514 \expandafter\def\csname HoLogo@LaTeX3\endcsname#1{%
515   \hologo{LaTeX}%
516   3%
517 }
```

\HoLogoBkm@LaTeX3

```
518 \expandafter\def\csname HoLogoBkm@LaTeX3\endcsname#1{%
519   \hologo{LaTeX}%
520   3%
521 }
```

2.7.6 ε -TeX

\HoLogo@eTeX Source: package etex

```
522 \def\HoLogo@eTeX#1{%
523   \ltx@mbox{%
524     \hbox{%
525       \Hologo@MathSetup
526       $\varepsilon$%
527       -%
528       \Hologo@NegativeKerning{-T,T-,To}%
529       \hologo{TeX}%
530     }%
531   }%
532 }
```

\HoLogoBkm@eTeX

```
533 \def\HoLogoBkm@eTeX#1{%
534   \Hologo@PfdocUnicode{#1{e}{E}}{\textepsilon}%
535   -%
536   \hologo{TeX}%
537 }
```

2.7.7 iniTeX

\HoLogo@iniTeX

```
538 \def\HoLogo@iniTeX#1{%
539   \Hologo@mbox{%
540     ini\hologo{TeX}%
541   }%
542 }
```

2.7.8 iniTeX

\HoLogo@virTeX

```
543 \def\HoLogo@virTeX#1{%
544   \Hologo@mbox{%
545     ini\hologo{TeX}%
546   }%
547 }
```

2.7.9 LuaTeX

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

```
548 \def\HoLogo@LuaTeX#1{%
549   \Hologo@mbox{%
550     Lua%
551     \Hologo@NegativeKerning{aT,oT,To}%
552     \hologo{TeX}%
553   }%
554 }
```

2.7.10 Lua^AT_EX

\HoLogo@LuaLaTeX

```
555 \def\HoLogo@LuaLaTeX#1{%
556   \HOLOGO@mbox{%
557     Lua%
558     \hologo{LaTeX}%
559   }%
560 }
```

2.7.11 X_TT_EX, X_T^AT_EX

\HoLogo@Xe Source: package dtklogos

```
561 \def\HoLogo@Xe#1{%
562   X%
563   \kern-.1em\relax
564   \ltx@ifundefined{HOLOGO@ReflectBox}\ltx@firstoftwo{%
565     \ltx@ifundefined{HOLOGO@ReflectBox@hologodriver}%
566     \ltx@firstoftwo\ltx@secondoftwo
567   }%
568   {e}{%
569     \lower.5ex\hbox{%
570       \HOLOGO@ReflectBox{E}%
571     }%
572   }%
573 }
```

\HoLogo@XeTeX

```
574 \def\HoLogo@XeTeX#1{%
575   \hologo{Xe}%
576   \kern-.15em\relax
577   \hologo{TeX}%
578 }
```

\HoLogo@XeLaTeX

```
579 \def\HoLogo@XeLaTeX#1{%
580   \hologo{Xe}%
581   \hologo{LaTeX}%
582 }
```

2.7.12 pdfT_EX, pdf^AT_EX

\HoLogo@pdfTeX

```
583 \def\HoLogo@pdfTeX#1{%
584   \HOLOGO@mbox{%
585     #1{p}{P}df\hologo{TeX}%
586   }%
587 }
```

\HoLogo@pdfLaTeX

```
588 \def\HoLogo@pdfLaTeX#1{%
589   \HOLOGO@mbox{%
590     #1{p}{P}df\hologo{LaTeX}%
591   }%
592 }
```

2.7.13 V_TE_X

\HoLogo@VTeX

```
593 \def\HoLogo@VTeX#1{%
```

```

594 \HOLOGO@mbbox{%
595   V\hologo{TeX}%
596 }%
597 }

```

2.7.14 \mathcal{MS} , ...

Source: class amsdtx

\HoLogo@AmS

```

598 \def\HoLogo@AmS#1{%
599   \begingroup
600   \usefont{OMS}{cmsy}{m}{n}%
601   A%
602   \kern-.1667em%
603   \lower.5ex\hbox{M}%
604   \kern-.125em%
605   S%
606   \endgroup
607 }

```

\HoLogoBkm@AmS

```

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

```

\HoLogo@AmSTeX

```

609 \def\HoLogo@AmSTeX#1{%
610   \hologo{AmS}%
611   \HOLOGO@hyphen
612   \hologo{TeX}%
613 }

```

\HoLogoBkm@AmSTeX

```

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

```

\HoLogo@AmSLaTeX

```

615 \def\HoLogo@AmSLaTeX#1{%
616   \hologo{AmS}%
617   \HOLOGO@hyphen
618   \hologo{LaTeX}%
619 }

```

\HoLogoBkm@AmSLaTeX

```

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

```

2.7.15 ConT_EXt

\HoLogo@ConT_EXt@simple

```

621 \def\HoLogo@ConTEXt@simple#1{%
622   \HOLOGO@mbbox{Con}%
623   \HOLOGO@discretionary
624   \HOLOGO@mbbox{\hologo{TeX}t}%
625 }

```

\HoLogo@ConT_EXt@narrow

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

```

626 \def\HoLogo@ConTEXt@narrow#1{%
627   \HOLOGO@mbbox{C\kern-.0333emon}%
628   \HOLOGO@discretionary
629   \kern-.0667em%
630   \HOLOGO@mbbox{\hologo{TeX}\kern-.0333emt}%
631 }

```



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

2.8 Driver detection

```
633 \HOLOGO@IfExists\InputIfFileExists{%
634   \InputIfFileExists{hologo.cfg}{%}%
635 }{%
636   \ltx@ifundefined{pdf@filesize}{%
637     \chardef\HOLOGO@temp=15 %
638     \def\HOLOGO@CheckRead{%
639       \ifeof\HOLOGO@temp
640       \else
641         \ifcase\HOLOGO@temp
642           \csname newread\endcsname\HOLOGO@temp
643         \else
644           \begingroup
645             \count\ltx@cclv=\HOLOGO@temp
646             \advance\ltx@cclv by -1 %
647             \edef\x{\endgroup
648               \chardef\noexpand\HOLOGO@temp=\the\count\ltx@cclv\relax
649             }%
650           \x
651           \expandafter\expandafter\expandafter\HOLOGO@CheckRead
652         \fi
653       \fi
654     }%
655     \ifeof\HOLOGO@temp
656       \@PackageWarningNoLine{hologo}{%
657         Configuration file ignored, because\MessageBreak
658         a free read register could not be found%
659       }%
660     \else
661       \openin\HOLOGO@temp=hologo.cfg\relax
662       \ifeof\HOLOGO@temp
663         \closein\HOLOGO@temp
664       \else
665         \closein\HOLOGO@temp
666         \input hologo.cfg\relax
667       \fi
668     \fi
669   }{%
670     \edef\HOLOGO@temp{\pdf@filesize{hologo.cfg}}%
671     \ifx\HOLOGO@temp\ltx@empty
672     \else
673       \input hologo.cfg\relax
674     \fi
675   }%
676 }

677 \ltx@ifundefined{DeclareOption}{%
678   \ltx@gobble
679 }{%
680   \ltx@ifundefined{ProcessOptions}\ltx@gobble\ltx@firstofone
681 }%
682 {%
683   \def\HOLOGO@temp#1#2{%
684     \DeclareOption{#1}{\edef\hologodriver{#2}}%
685   }%
686   \kv@parse@normalized{%
687     pdftex,%
688     luatex=pdftex,%
689     dvipdfm,%
```

```

690     dvipdfmx=dvipdfm,%
691     dvips,%
692     dvipsone=dvips,%
693     xdvi=dvips,%
694     xetex,%
695     vtex,%
696 }{%
697     \ifx\kv@value\relax
698         \expandafter\HOLOGO@temp\expandafter{\kv@key}\kv@key
699     \else
700         \expandafter\HOLOGO@temp\expandafter{\kv@key}\kv@value
701     \fi
702     \ltx@gobbletwo
703 }%
704 \ProcessOptions*%
705 }

```

\hologodriver

```

706 \ifpdf
707 \def\hologodriver{pdftex}%
708 \let\HOLOGO@pdfliteral\pdfliteral
709 \ifluatex
710 \ltx@ifundefined{HOLOGO@pdfliteral}{%
711     \ifnum\luatexversion<36 %
712     \else
713         \begingroup
714             \let\HOLOGO@temp\endgroup
715             \ifcase0%
716                 \directlua{%
717                     if tex.enableprimitives then %
718                         tex.enableprimitives('HOLOGO@', {'pdfliteral'})%
719                     else %
720                         tex.print('1')%
721                     end%
722                 }%
723                 \ifx\HOLOGO@pdfliteral\@undefined 1\fi%
724                 \relax%
725             \endgroup
726             \let\HOLOGO@temp\relax
727             \global\let\HOLOGO@pdfliteral\HOLOGO@pdfliteral
728             \fi%
729             \HOLOGO@temp
730         \fi
731     }{}%
732 \fi
733 \ltx@ifundefined{HOLOGO@pdfliteral}{%
734     \@PackageWarningNoLine{hologo}{%
735         Cannot find \string\pdfliteral
736     }%
737 }{}%
738 \else
739 \ifxetex
740 \def\hologodriver{xetex}%
741 \else
742 \ifvtex
743 \def\hologodriver{vtex}%
744 \fi
745 \fi
746 \fi

```

\HOLOGO@ReflectBox

```

747 \ltx@ifundefined{reflectbox}{}%
748 \def\HOLOGO@ReflectBox{%

```

```

749     \reflectbox
750 }%
751 \HOLOGO@AtEnd
752 }%
753 \ltx@ifundefined{hologodriver}{%
754   \def\hologodriver{dvips}%
755   \@PackageInfoNoLine{hologo}{Using default driver '\hologodriver'}%
756 }{%
757   \@PackageInfoNoLine{hologo}{Using driver '\hologodriver'}%
758 }
759 \def\HOLOGO@ReflectBox#1{%
760   \ltx@ifundefined{HOLOGO@ReflectBox@\hologodriver}{%
761     \@PackageWarning{hologo}{%
762       Driver '\hologodriver' misses support for \string\reflectbox
763     }%
764     #1%
765   }{%
766     \begingroup
767     \setbox\ltx@zero\hbox{\begingroup#1\endgroup}%
768     \setbox\ltx@two\hbox{%
769       \kern\wd\ltx@zero
770       \csname HOLOGO@ReflectBox@\hologodriver\endcsname{%
771         \hbox to 0pt{\copy\z@\hss}%
772       }%
773     }%
774     \wd\ltx@two=\wd\ltx@zero
775     \box\ltx@two
776   \endgroup
777 }%
778 }

779 \def\HOLOGO@temp#1{%
780   \begingroup
781   \def\x{#1}%
782   \expandafter\endgroup
783   \ifx\x\hologodriver
784     \expandafter\ltx@firstofone
785   \else
786     \expandafter\ltx@gobble
787   \fi
788 }

```

\HOLOGO@ReflectBox@pdftex

```

789 \HOLOGO@temp{pdftex}{%
790   \def\HOLOGO@ReflectBox@pdftex#1{%
791     \HOLOGO@pdfliteral{%
792       q -1 0 0 1 0 0 cm%
793     }%
794     #1%
795     \HOLOGO@pdfliteral{%
796       Q%
797     }%
798   }%
799 }

```

\HOLOGO@ReflectBox@dvips

```

800 \HOLOGO@temp{dvips}{%
801   \def\HOLOGO@ReflectBox@dvips#1{%
802     \special{ps:%
803       gsave %
804       currentpoint %
805       currentpoint translate %

```

```

806      -1 1 scale %
807      neg exch neg exch translate%
808    }%
809    #1%
810    \special{ps:%
811      currentpoint %
812      grestore %
813      moveto%
814    }%
815  }%
816 }

```

\HOLOGO@ReflectBox@dvipdfm

```

817 \HOLOGO@temp{dvipdfm}{%
818   \let\HOLOGO@ReflectBox@dvipdfm\HOLOGO@ReflectBox@dvi
819 }

```

Since X_YTeX v0.6.

\HOLOGO@ReflectBox@xetex

```

820 \HOLOGO@temp{xetex}{%
821   \def\HOLOGO@ReflectBox@xetex#1{%
822     \special{x:gsave}%
823     \special{x:scale -1 1}%
824     #1%
825     \special{x:grestore}%
826   }%
827 }

```

\HOLOGO@ReflectBox@vtex

```

828 \HOLOGO@temp{vtex}{%
829   \def\HOLOGO@ReflectBox@vtex#1{%
830     \special{r(-1,0,0,1,0,0}%
831     #1%
832     \special{r)}}%
833   }%
834 }

```

```

835 \HOLOGO@AtEnd%
836 </package>

```

3 Test

3.1 Catcode checks for loading

```

837 <*test1>
838 \catcode'\{=1 %
839 \catcode'\}=2 %
840 \catcode'\#=6 %
841 \catcode'\@=11 %
842 \expandafter\ifx\csname count@\endcsname\relax
843   \countdef\count@=255 %
844 \fi
845 \expandafter\ifx\csname @gobble\endcsname\relax
846   \long\def\@gobble#1{%
847 \fi
848 \expandafter\ifx\csname @firstofone\endcsname\relax
849   \long\def\@firstofone#1{#1}%
850 \fi
851 \expandafter\ifx\csname loop\endcsname\relax
852   \expandafter\@firstofone

```

```

853 \else
854   \expandafter\@gobble
855 \fi
856 {%
857   \def\loop#1\repeat{%
858     \def\body{#1}%
859     \iterate
860   }%
861   \def\iterate{%
862     \body
863     \let\next\iterate
864   \else
865     \let\next\relax
866   \fi
867   \next
868 }%
869 \let\repeat=\fi
870 }%
871 \def\RestoreCatcodes{}
872 \count@=0 %
873 \loop
874   \edef\RestoreCatcodes{%
875     \RestoreCatcodes
876     \catcode\the\count@=\the\catcode\count@\relax
877   }%
878 \ifnum\count@<255 %
879   \advance\count@ 1 %
880 \repeat
881
882 \def\RangeCatcodeInvalid#1#2{%
883   \count@=#1\relax
884   \loop
885     \catcode\count@=15 %
886     \ifnum\count@<#2\relax
887       \advance\count@ 1 %
888     \repeat
889 }
890 \def\RangeCatcodeCheck#1#2#3{%
891   \count@=#1\relax
892   \loop
893     \ifnum#3=\catcode\count@
894     \else
895       \errmessage{%
896         Character \the\count@\space
897         with wrong catcode \the\catcode\count@\space
898         instead of \number#3%
899       }%
900     \fi
901     \ifnum\count@<#2\relax
902       \advance\count@ 1 %
903     \repeat
904 }
905 \def\space{ }
906 \expandafter\ifx\csname LoadCommand\endcsname\relax
907   \def\LoadCommand{\input hologo.sty\relax}%
908 \fi
909 \def\Test{%
910   \RangeCatcodeInvalid{0}{47}%
911   \RangeCatcodeInvalid{58}{64}%
912   \RangeCatcodeInvalid{91}{96}%
913   \RangeCatcodeInvalid{123}{255}%
914   \catcode'\@=12 %

```

```

915 \catcode'\=0 %
916 \catcode'\%=14 %
917 \LoadCommand
918 \RangeCatcodeCheck{0}{36}{15}%
919 \RangeCatcodeCheck{37}{37}{14}%
920 \RangeCatcodeCheck{38}{47}{15}%
921 \RangeCatcodeCheck{48}{57}{12}%
922 \RangeCatcodeCheck{58}{63}{15}%
923 \RangeCatcodeCheck{64}{64}{12}%
924 \RangeCatcodeCheck{65}{90}{11}%
925 \RangeCatcodeCheck{91}{91}{15}%
926 \RangeCatcodeCheck{92}{92}{0}%
927 \RangeCatcodeCheck{93}{96}{15}%
928 \RangeCatcodeCheck{97}{122}{11}%
929 \RangeCatcodeCheck{123}{255}{15}%
930 \RestoreCatcodes
931 }
932 \Test
933 \csname @@end\endcsname
934 \end
935 </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.

```

936 <*test-spacefactor>
937 \NeedsTeXFormat{LaTeX2e}
938 \documentclass{article}
939 \usepackage{hologo}[2011/03/25]
940 \usepackage{kvsetkeys}
941 \usepackage{qstest}
942 \IncludeTests{*}
943 \LogTests{log}{*}{*}
944 \begin{document}
945 \begin{qstest}{spacefactor}{spacefactor}
946 \newcommand*{\Test}[1]{%
947   \sbox0{%
948     \hologo{#1}%
949     \Expect*{1000 (#1)}*{\the\spacefactor\space{#1}}%
950   }%
951 }%
952 \makeatletter
953 \kv@parse@normalized{%
954   AmSLaTeX,%
955   AmSTeX,%
956   eTeX,%
957   iniTeX,%
958   LaTeX,%
959   LaTeX2e,%
960   LaTeX3,%
961   LaTeXe,%
962   LuaLaTeX,%
963   LuaTeX,%
964   pdfTeX,%
965   pdfLaTeX,%
966   plainTeX=,%
967   plainTeX={variant=space},%
968   plainTeX={variant=hyphen},%
969   plainTeX={variant=runtogether},%

```

```

970 TeX,%
971 virTeX,%
972 VTeX,%
973 XeLaTeX,%
974 XeTeX,%
975 }{%
976 \begingroup
977 \let\@logo=\kv@key
978 \ifx\kv@value\relax
979 \else
980 \expandafter\hologoLogoSetup\expandafter\@logo\expandafter{%
981 \kv@value
982 }%
983 \fi
984 \Test\@logo
985 \endgroup
986 \@gobbletwo
987 }
988 \end{qstest}
989 \end{document}
990 </test-spacefactor>

```

4 Installation

4.1 Download

Package. This package is available on CTAN¹:

[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.

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
```

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

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-test1.tex</code>	<code>→ tex/generic/oberdiek/hologo-test1.tex</code>
<code>hologo-test-spacefactor.tex</code>	<code>→ tex/generic/oberdiek/hologo-test-spacefactor.tex</code>
<code>hologo.pdf</code>	<code>→ doc/latex/oberdiek/hologo.pdf</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 (`teTeX`, `mikTeX`, ...) relies on file name databases, you must refresh these. For example, `teTeX` 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 \LaTeX . The `.dtx` chooses its action depending on the format:

plain \TeX : Run `docstrip` and extract the files.

\LaTeX : Generate the documentation.

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

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

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

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

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

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

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

5 History

[2010/04/08 v1.0]

- The first version.

[2010/04/16 v1.1]

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

[2010/04/24 v1.2]

- L^AT_EX3 added.
- V_TE_X added.

[2010/11/21 v1.3]

- iniT_{FX} , iniT_{FX} added.

[2011/03/25 v1.4]

- ConT_EXt with variants added.
- Option `discretionarybreak` added as refinement for option `break`.

6 Index

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

Symbols	C
<code>\#</code>	<code>\catcode</code>
<code>\%</code>	2, 3, 5, 6, 7, 8, 9, 10,
<code>\-</code>	11, 12, 13, 33, 34, 36, 37, 38, 39,
<code>\@</code>	40, 41, 42, 43, 44, 45, 46, 47, 48,
<code>\@PackageError</code>	49, 69, 70, 72, 73, 74, 78, 79, 80,
203, 241, 253, 337, 344, 362, 394	81, 82, 83, 84, 87, 88, 90, 91, 92,
<code>\@PackageInfoNoLine</code>	93, 97, 99, 838, 839, 840, 841,
755, 757	876, 885, 893, 897, 914, 915, 916
<code>\@PackageWarning</code>	<code>\chardef</code>
<code>\@PackageWarningNoLine</code>	182, 187, 189, 196, 198,
656, 734	215, 216, 217, 219, 222, 225,
<code>\@ehc</code>	274, 276, 280, 291, 293, 297,
206, 245, 255, 340, 347, 364, 396	309, 311, 315, 325, 327, 637, 648
<code>\@firstofone</code>	<code>\check@mathfonts</code>
849, 852	486
<code>\@gobble</code>	<code>\closein</code>
173, 846, 854	663, 665
<code>\@gobbletwo</code>	<code>\comma@entry</code>
986	435
<code>\@logo</code>	<code>\comma@parse@normalized</code>
977, 980, 984	433
<code>\@nil</code>	<code>\copy</code>
424	771
<code>\@undefined</code>	<code>\count</code>
58, 153, 250, 723	645, 648
<code>\@</code>	<code>\count@</code>
915	843, 872,
<code>\{</code>	876, 878, 879, 883, 885, 886,
<code>\}</code>	887, 891, 893, 896, 897, 901, 902
838	<code>\countdef</code>
839	843
	<code>\csname</code>
A	14,
<code>\advance</code>	21, 50, 66, 76, 131, 182, 187,
<code>\aftergroup</code>	189, 196, 198, 220, 221, 223,
29	224, 226, 228, 250, 258, 268,
B	277, 281, 294, 298, 312, 316,
<code>\begin</code>	328, 367, 378, 399, 410, 426,
<code>\body</code>	484, 512, 513, 514, 518, 642,
<code>\box</code>	770, 842, 845, 848, 851, 906, 933
944, 945	
858, 862	
775	

D	
<code>\DeclareOption</code>	684
<code>\DeclareRobustCommand</code>	354, 386
<code>\dimendef</code>	429
<code>\directlua</code>	716
<code>\documentclass</code>	938
E	
<code>\empty</code>	17, 18
<code>\end</code>	934, 988, 989
<code>\endcsname</code>	14,
21, 50, 66, 76, 131, 182, 187,	
190, 196, 199, 220, 221, 223,	
224, 227, 228, 250, 258, 268,	
277, 281, 294, 298, 312, 316,	
328, 367, 378, 399, 410, 425,	
484, 512, 513, 514, 518, 642,	
770, 842, 845, 848, 851, 906, 933	
<code>\endinput</code>	29, 127
<code>\endlinechar</code>	4, 35, 71, 77, 89
<code>\errmessage</code>	895
<code>\escapechar</code>	126, 129
<code>\Expect</code>	949
F	
<code>\f@series</code>	423, 424
<code>\fontsize</code>	487
H	
<code>\hbox</code>	445, 447, 454, 480, 482,
501, 524, 569, 603, 767, 768, 771	
<code>\Hologo</code>	2, 402
<code>\hologo</code>	2, 336, 338, 370,
457, 460, 463, 466, 469, 472,	
496, 499, 508, 515, 519, 529,	
536, 540, 545, 552, 558, 575,	
577, 580, 581, 585, 590, 595,	
610, 612, 616, 618, 624, 630, 948	
<code>\HOLGO@NegativeKerning</code> ...	435, 444
<code>\Hologo@AmS</code>	598
<code>\Hologo@AmSLaTeX</code>	615
<code>\Hologo@AmSTeX</code>	609
<code>\HOLGO@AtEnd</code>	95,
96, 124, 125, 341, 348, 751, 835	
<code>\HOLGO@break</code>	213, 234
<code>\HOLGO@CheckRead</code>	638, 651
<code>\Hologo@ConTeXt</code>	632
<code>\Hologo@ConTeXt@narrow</code> ...	626, 632
<code>\Hologo@ConTeXt@simple</code>	621
<code>\HOLGO@DeclareBoolOption</code>	
181, 235, 236, 237, 238	
<code>\HOLGO@DefineBoolOption</code>	181
<code>\HOLGO@discretionary</code> .	306, 623, 628
<code>\Hologo@eTeX</code>	522
<code>\HOLGO@false</code>	194, 233
<code>\HOLGO@hyphen</code>	288, 463, 611, 617
<code>\HOLGO@ifDefined</code>	152
<code>\HOLGO@ifExists</code>	
152, 336, 343, 371, 403, 423, 633	
<code>\Hologo@iniTeX</code>	538
<code>\Hologo@LaTeX</code>	476
<code>\Hologo@LaTeX2e</code>	512
<code>\Hologo@LaTeX3</code>	514
<code>\Hologo@LaTeXe</code>	498, 512
<code>\Hologo@LuaLaTeX</code>	555
<code>\Hologo@LuaTeX</code>	548
<code>\HOLGO@Math</code>	421
<code>\HOLGO@MathSetup</code>	421, 502, 525
<code>\HOLGO@mbox</code>	323, 457,
463, 469, 539, 544, 549, 556,	
584, 589, 594, 622, 624, 627, 630	
<code>\HOLGO@name</code>	164,
168, 169, 171, 186, 190, 195,	
199, 214, 220, 221, 223, 224,	
226, 228, 240, 250, 252, 254,	
258, 272, 273, 277, 281, 289,	
290, 294, 298, 307, 308, 312,	
316, 324, 328, 360, 361, 363,	
365, 367, 392, 393, 395, 397, 399	
<code>\HOLGO@NegativeKerning</code>	430, 528, 551
<code>\HOLGO@PdfdocUnicode</code> .	414, 510, 534
<code>\Hologo@pdfLaTeX</code>	588
<code>\HOLGO@pdfliteral</code>	
708, 723, 727, 791, 795	
<code>\Hologo@pdfTeX</code>	583
<code>\Hologo@plainTeX</code>	474
<code>\Hologo@plainTeX@hyphen</code>	462
<code>\Hologo@plainTeX@runtogether</code> ...	468
<code>\Hologo@plainTeX@space</code>	456, 474
<code>\HOLGO@ReflectBox</code>	570, 747
<code>\HOLGO@ReflectBox@dviPDFm</code>	817
<code>\HOLGO@ReflectBox@dviPS</code> ...	800, 818
<code>\HOLGO@ReflectBox@pdfTeX</code>	789
<code>\HOLGO@ReflectBox@vTeX</code>	828
<code>\HOLGO@ReflectBox@xTeX</code>	820
<code>\HOLGO@SetBreakAll</code>	192, 201, 211
<code>\HOLGO@Setup</code>	165, 175, 178
<code>\HOLGO@space</code>	271, 457
<code>\HOLGO@SpaceFactor</code>	450, 454
<code>\HOLGO@temp</code>	184,
185, 194, 212, 213, 247, 248,	
252, 254, 259, 274, 276, 280,	
283, 291, 293, 297, 300, 309,	
311, 315, 318, 325, 327, 330,	
637, 639, 641, 642, 645, 648,	
655, 661, 662, 663, 665, 670,	
671, 683, 698, 700, 714, 726,	
729, 779, 789, 800, 817, 820, 828	
<code>\HOLGO@TempDimen</code>	
429, 432, 434, 439, 440, 446, 448	
<code>\Hologo@TeX</code>	453
<code>\HOLGO@true</code>	185, 232
<code>\HOLGO@Variant</code>	264, 361,
367, 375, 378, 393, 399, 407, 410	
<code>\Hologo@virTeX</code>	543
<code>\Hologo@VTeX</code>	593
<code>\Hologo@Xe</code>	561
<code>\Hologo@XeLaTeX</code>	579
<code>\Hologo@XeTeX</code>	574
<code>\Hologo@Bkm@AmS</code>	608
<code>\Hologo@Bkm@AmSLaTeX</code>	614, 620
<code>\Hologo@Bkm@AmSTeX</code>	614
<code>\Hologo@Bkm@eTeX</code>	533
<code>\Hologo@Bkm@LaTeX2e</code>	513
<code>\Hologo@Bkm@LaTeX3</code>	518

<code>\HoLogoBkm@LaTeXe</code>	507, 513	<code>\ltx@gobble</code>	437, 678, 680, 786
<code>\HoLogoBkm@plainTeX</code>	475	<code>\ltx@gobbletwo</code>	702
<code>\HoLogoBkm@plainTeX@hyphen</code>	465	<code>\ltx@ifUndefined</code>	169, 252,
<code>\HoLogoBkm@plainTeX@runtogether</code>	471		350, 351, 382, 383, 564, 565,
<code>\HoLogoBkm@plainTeX@space</code>	459, 475		636, 677, 680, 710, 733, 747, 760
<code>\hologodriver</code>	565, 684, 706,	<code>\ltx@ifundefined</code>	266, 272, 273,
	754, 755, 757, 760, 762, 770, 783		289, 290, 307, 308, 324, 361,
<code>\hologoLogoSetup</code>	3, 167, 244, 980		375, 376, 393, 407, 408, 483, 753
<code>\HLOGOOPT@break</code>	215, 216, 217	<code>\ltx@mbox</code>	301, 331, 523
<code>\HLOGOOPT@discretionarybreak</code>		<code>\ltx@one</code>	187, 190
	217, 309	<code>\ltx@secondoftwo</code>	
<code>\HLOGOOPT@hyphenbreak</code>	215, 291, 325		154, 157, 399, 410, 416, 566
<code>\HLOGOOPT@spacebreak</code>	216, 274	<code>\ltx@space</code>	286, 338, 345
<code>\Hologorobust</code>	382, 405	<code>\ltx@two</code>	768, 774, 775
<code>\hologorobust</code>	343, 345, 350, 373	<code>\ltx@zero</code>	182, 196, 199, 429, 445, 446,
<code>\hologoSetup</code>	3, 163, 242		447, 448, 480, 481, 767, 769, 774
<code>\hss</code>	771	<code>\luatexversion</code>	711
<code>\ht</code>	481		
I			
<code>\if</code>	424	M	
<code>\ifcase</code>	283, 300, 318, 330, 641, 715	<code>\makeatletter</code>	952
<code>\ifdim</code>	434, 439	<code>\math@fontsfalse</code>	488
<code>\ifeof</code>	639, 655, 662	<code>\mathsurround</code>	422
<code>\ifHy@unicode</code>	415	<code>\MessageBreak</code>	204, 243, 338, 345, 657
<code>\ifluatex</code>	709	N	
<code>\ifnum</code>	711, 878, 886, 893, 901	<code>\NeedsTeXFormat</code>	937
<code>\ifpdf</code>	706	<code>\newcommand</code>	946
<code>\iftrue</code>	415	<code>\next</code>	863, 865, 867
<code>\ifvtx</code>	742	<code>\number</code>	898
<code>\ifx</code>	15,	O	
	18, 21, 50, 58, 61, 131, 153, 156,	<code>\openin</code>	661
	185, 186, 194, 195, 213, 214,	P	
	240, 248, 415, 671, 697, 723,	<code>\PackageInfo</code>	26
	783, 842, 845, 848, 851, 906, 978	<code>\pdf@filesize</code>	670
<code>\ifxetex</code>	739	<code>\pdfliteral</code>	708, 735
<code>\immediate</code>	23, 52	<code>\penalty</code>	284
<code>\IncludeTests</code>	942	<code>\ProcessOptions</code>	704
<code>\input</code>	132, 133, 134, 135, 136,	<code>\protected</code>	357, 389
	137, 138, 139, 140, 666, 673, 907	<code>\ProvidesPackage</code>	19, 67
<code>\InputIfFileExists</code>	633, 634	R	
<code>\iterate</code>	859, 861, 863	<code>\RangeCatcodeCheck</code>	
K			890, 918, 919, 920, 921, 922,
<code>\kern</code>	440, 447, 454, 478, 495, 500, 563,		923, 924, 925, 926, 927, 928, 929
	576, 602, 604, 627, 629, 630, 769	<code>\RangeCatcodeInvalid</code>	
<code>\kv@define@key</code>	183, 239		882, 910, 911, 912, 913
<code>\kv@key</code>	698, 700, 977	<code>\reflectbox</code>	749, 762
<code>\kv@parse@normalized</code>	686, 953	<code>\repeat</code>	857, 869, 880, 888, 903
<code>\kv@value</code>	697, 700, 978, 981	<code>\RequirePackage</code>	142, 143,
<code>\kvsetkeys</code>	179		144, 145, 146, 147, 148, 149, 150
L			
<code>\LoadCommand</code>	907, 917	<code>\RestoreCatcodes</code>	871, 874, 875, 930
<code>\LogTests</code>	943	S	
<code>\loop</code>	857, 873, 884, 892	<code>\sbox</code>	947
<code>\lower</code>	454, 569, 603	<code>\selectfont</code>	488
<code>\ltx@car</code>	424	<code>\setbox</code>	445, 447, 480, 767, 768
<code>\ltx@cclv</code>	645, 646, 648	<code>\sf@size</code>	487
<code>\ltx@empty</code>	248, 671	<code>\space</code>	244, 896, 897, 905, 949
<code>\ltx@firstofone</code>	680, 784	<code>\spacefactor</code>	451, 949
<code>\ltx@firstoftwo</code>	159,	<code>\special</code>	802, 810, 822, 823, 825, 830, 832
	367, 371, 378, 403, 418, 564, 566		

T		V	
\Test	909, 932, 946, 984	\varepsilon	504, 526
\texorpdfstring	371, 403	\vbox	481
\textepsilon	510, 534	\vss	492
\textstyle	504		
\the	77, 78, 79, 80, 81, 82, 83, 84, 97, 126, 648, 876, 896, 897, 949	W	
\TMP@EnsureCode		\wd	446, 448, 769, 774
	94, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123	\write	23, 52
U		X	
\usefont	600	\x	14, 15, 18, 22, 26, 28, 51, 56, 66, 75, 87, 647, 650, 781, 783
\usepackage	939, 940, 941	Z	
		\z@	487, 771