

Natrór (Grzegorz Murzynowski)

The gmverb Package^{*}

August 6, 2008

This is (a documentation of) file gmverb.sty, intended to be used with L^AT_EX 2_E as a package for a slight redefinition of the \verb macro and verbatim environment and for short verb marking such as |\mymacro|.

Written by Natrór (Grzegorz Murzynowski),
natrór at o2 dot pl

© 2005, 2006, 2007, 2008 by Natrór (Grzegorz Murzynowski).

This program is subject to the L^AT_EX Project Public License.

See <http://www.ctan.org/tex-archive/help/Catalogue/licenses.lppl.html>
for the details of that license.

LPPL status: "author-maintained".

Many thanks to my T_EX Guru Marcin Woliński for his T_EXnical support.

¹ \NeedsTeXFormat{LaTeX2e}
² \ProvidesPackage{gmverb}
³ [2008/08/06 vo.87 After shortvrb (FM) but my way (GM)]

Contents

Intro, Usage	1	The Breakables	4
Installation	2	Almost-Knuthian \ttverbatim . . .	5
Contents of the gmverb.zip Archive . .	3	The Core: From shortvrb	5
Compiling the Documentation	3	doc- And shortvrb-Compatibility . . .	10
The Code	3	Change History	10
Preliminaries	3	Index	11

Intro, Usage

This package redefines the \verb command and the verbatim environment so that the verbatim text can break into lines, with % (or another character chosen to be the comment char) as a 'hyphen'. Moreover, it allows the user to define his own verbatim-like environments provided their contents would be not *horribly* long (as long as a macro's argument may be at most).

This package also allows the user to declare a chosen char(s) as a 'short verb' e.g., to write |\a\verb|\example| instead of \verb|\a\verb|\example|.

The gmverb package redefines the \verb command and the verbatim environment in such a way that , { and \ are breakable, the first with no 'hyphen' and the other two with the comment char as a hyphen. I.e. {\<subsequent text>} breaks into {%

* This file has version number vo.87 dated 2008/08/06.

	<p><i>{subsequent text}</i>} and <i>{text}</i>\mymacro breaks into <i>{text}</i>%\mymacro.</p>
\fixbslash \fixlbrace	<p>(If you don't like linebreaking at backslash, there's the \fixbslash declaration (observing the common scoping rules, hence OCSR) and an analogous declaration for the left brace: \fixlbrace.)</p>
\VerbHyphen	<p>The default 'hyphen' is % since it's the default comment char. If you wish another char to appear at the linebreak, use the \VerbHyphen declaration that takes \<i>char</i> as the only argument. This declaration is always global.</p>
\verb+0K	<p>Another difference is the \verb+0K declaration (OCSR). Within its scope, \verb allows an end of a line in its argument and typesets it just as a space.</p>
	<p>As in the standard version(s), the plain \verb typesets the spaces blank and \verb* makes them visible.</p>
\MakeShortVerb	<p>Moreover, gmverb provides the \MakeShortVerb macro that takes a one-char control sequence as the only argument and turns the char used into a short verbatim delimiter, e.g., after \MakeShortVerb* (as you guess, the declaration has its starred version, which is for visible spaces, and the non-starred for the spaces blank) you may type % \mymacro to get \mymacro instead of typing \verb+\mymacro+. Because the char used in this example is my favourite and used just this way by DEK in the <i>The TeXbook</i>'s format, gmverb provides a macro \dekclubs as a shorthand for \MakeShortVerb* .</p>
\DeleteShortVerb	<p>Be careful because such active chars may interfere with other things, e.g., the with the vertical marker in tables and with the tikz package. If this happens, you can declare e.g., \DeleteShortVerb and the previous meaning of the char used shall be restored.</p>
\OldMakeShortVerb	<p>One more difference between gmverb and shortvrb is that the chars \activeated by \MakeShortVerb in the math mode behave as if they were 'other', so you may type e.g., \$ \$ to get and + \activeated this way is in the math mode typeset properly etc.</p>
\dekclubs \dekclubs*	<p>However, if you don't like such a conditional behaviour, you may use \OldMakeShortVerb instead, what I do when I like to display short verbatims in display-math.</p>
	<p>There's one more declaration provided by gmverb: \dekclubs, which is a shorthand for \MakeShortVerb and \dekclubs* for \OldMakeShortVerb .</p>
	<p>So that, after the latter declaration, you can write</p>
	<p>\[<verbatim stuff> \]</p>
	<p>instead of</p>
	<p>\[\hbox{ <the stuff> }\]</p>
	<p>to get a displayed shortverb.</p>
	<p>Both versions of \dekclubs OCSR.</p>
	<p>The verbatim environment inserts \topsep before and after itself, just as in standard version (as if it was a list).</p>
	<p>As many good packages, this also does not support any options.</p>

Installation

Unpack the gmverb-tds.zip archive (this is an archive conforming the TDS standard, see CTAN/tds/tds.pdf) in a texmf directory or put the gmverb.sty somewhere in the texmf/tex/latex branch on your own. Creating a texmf/tex/latex/gm directory may be advisable if you consider using other packages written by me.

Then you should refresh your TeX distribution's files' database most probably.

Contents of the gmverb.zip Archive

The distribution of the gmverb package consists of the following three files and a TDS-compliant archive.

```
gmverb.sty  
README  
gmverb.pdf  
gmverb.tds.zip
```

This package requires another package of mine, gmuilts, also available on CTAN.

Compiling the Documentation

The last of the above files (the .pdf, i.e., *this file*) is a documentation compiled from the .sty file by running Xe^LA_EX on the gmverb.sty file (`xelatex gmverb.sty` in the directory you wish the documentation to be in, you don't have copy the .sty file there, Te_EX will find it) twice, then MakeIndex on the gmverb.idx file, and then L^AT_EX on gmverb.tex once more.

MakeIndex shell command:

```
makeindex -r gmverb
```

The `-r` switch is to forbid MakeIndex to make implicit ranges since the (code line) numbers will be hyperlinks.

Compiling the documentation requires the packages: gmdoc (gmdoc.sty and gmdoc.cls), gmverb.sty, gmuilts.sty and also some standard packages: hyperref.sty, color.sty, geometry.sty, multicol.sty, lmodern.sty and fontenc.sty that should be installed on your computer by default.

If you had not installed the mwcls classes (available on CTAN and present in Te_EX Live e.g.), the result of your compilation might differ a bit from the .pdf provided in this .zip archive in formatting: If you had not installed mwcls, the standard article.cls class would be used.

The Code

Preliminaries

```
4 \RequirePackage{gmuilts}[2008/08/06]
```

For `\firstofone`, `\afterfi`, `\gobblespaces`, `\ifnextcat`, `\foone` and `\noexpand's` and `\expandafter's` shorthands `\@nx` and `\@xa` resp.

Someone may want to use another char for comment, but we assume here 'orthodoxy'. Other assumptions in gmdoc are made. The 'knowledge' what char is the comment char is used to put proper 'hyphen' when a `verbatim` line is broken.

```
5 \let\verbhyphen\xiiperc
```

Provide a declaration for easy changing it. Its argument should be of `\<char>` form (of course, a `\<char>_1` is also allowed).

```
\VerbHyphen6 \def\VerbHyphen#1{%
7   {\escapechar\m@ne
8     \@xa\gdef\@xa\verbhyphen\@xa{\string#1}}}
```

As you see, it's always global.

The Breakables

Let's define a \discretionary left brace such that if it breaks, it turns {} at the end of line. We'll use it in almost Knuthian \ttverbatim—it's part of this 'almost'.

```
\breakbrace
 9 \def\breakbrace{%
10   \discretionary{\xilbrace\verbhyphen}{\xilbrace}%
11 \foone{\catcode`\[=1\catcode`\{=\active\catcode`\]=2}%
12 [%]
13   \def\dobreakbrace[\catcode`\{=\active
14   \def{%
15     [\breakbrace\gm@lbracehook]]%
16 ]
```

Now we only initialize the hook. Real use of it will be made in gmdoc.

```
17 \relaxen\gm@lbracehook
```

The \bslash macro defined below I use also in more 'normal' TEXing, e.g., to \typeout some \outer macro's name.

```
\bslash
18 \foone{\catcode`\!=o\@makeother\}\\%
19 {%
\bslash  !def!\bslash{}%
21  !def!breakbslash{!discretionary{!verbhyphen}{\}{\}}%
22 }
```

Sometimes linebreaking at a backslash may be unwelcome. The basic case, when the first CS in a verbatim breaks at the lineend leaving there %, is covered by line 183. For the others let's give the user a countercrank:

```
\fixbslash
23 \newcommand*\fixbslash{\let\breakbslash=\bslash}% to use due to the com-
      mon scoping rules. But for the special case of a backslash opening a verbatim
      scope, we deal specially in the line 183.
```

Analogously, let's provide a possibility of 'fixing' the left brace:

```
\fixbrace
24 \newcommand*\fixbrace{\let\breakbrace=\xilbrace}
25 \foone{\catcode`\!=o\catcode`\{=\active}%
26 {%
\dobreakbslash
27  !def!dobreakbslash{!catcode`\!=\active\!def\{!breakbslash\}}%
28 }
```

The macros defined below, \visiblebreakspaces and \xiiclub we'll use in the almost Knuthian macro making verbatim. This 'almost' makes a difference.

```
29 \foone{\catcode`\ =12}%
      note this space is 10 and is gobbled by parsing the
      number. \visiblespace is \letting mutils to \xiispace or \xxt@visiblespace
      of \ltxttra if available.
```

```
\breakablevisspace
30 \def\breakablevisspace{\discretionary{\visiblespace}{\visiblespace}%
      \visiblespace}
31 \foone\obeyspaces%
      it's just re\catcode'ing.
32 {%
33 \newcommand*\activespace{%
34 \newcommand*\dobreakvisspace{\def\{\breakablevisspace\}\obeyspaces}%
      % \defing it caused a stack overflow disaster with gmdoc.
35 \newcommand*\dobreakblankspace{\let\=space\obeyspaces}%
36 }
37 \bgroup\@makeother\
38 \firstofone{\egroup\def\xiiclub{|}}
```

Almost-Knuthian \ttverbatim

\ttverbatim comes from *The TeXbook* too, but I add into it a L^AT_EX macro changing the \catcodes and make spaces visible and breakable and left braces too.

```
39 \newcommand*\ttverbatim{%
40   \let\do=\do@noligs \verb@list
41   \let\do=\@makeother \dospecials
42   \dobreakbrace\dobreakbslash
43   \dobreakspace
44   \tt
45   \ttverbatim@hook}
```

While typesetting stuff in the QX fontencoding I noticed there were no spaces in verbatims. That was because the QX encoding doesn't have any reasonable char at position 32. So we provide a hook in the very core of the verbatim making macros to set proper fontencoding for instance.

```
46 \@emptyify\ttverbatim@hook
47 \def\VerbT1{\def\ttverbatim@hook{\fontencoding{T1}\selectfont}}
48 \VerbT
\ttverbatim@hook
We wish the visible spaces to be the default.
48 \let\dobreakspace=\dobreakvisiblespace
```

The Core: From shortverb

The below is copied verbatim ;-) from doc.pdf and then is added my slight changes.

```
49 \def\MakeShortVerb{%
50   \@ifstar
51   {\def\@shortverbdef{\verb*@\MakeShortVerb}%
52   {\def\@shortverbdef{\verb@\MakeShortVerb}}}
53 \def\@MakeShortVerb#1{%
54   \@xa\ifx\csname\cc\string#1\endcsname\relax
55   \@shortverbinfo{Made\#1}\@shortverbdef
56   \add@special{#1}%
57   \AddtoPrivateOthers#1% a macro to be really defined in gmdoc.
58   \@xa
59   \xdef\csname\cc\string#1\endcsname{\the\catcode`#1}%
60   \begingroup
61   \catcode`\~\active\lccode`\~`#1%
62   \lowercase{%
63     \global\@xa\let
64     \csname\ac\string#1\endcsname\%
65     \@xa\gdef\@xa~\@xa{%
66       \@xa\ifmmode\@xa\string\@xa\%
67       \@xa\else\@xa\afterfi{\@shortverbdef~}\fi}}% This terrible number
68   of \expandafters is to make the shortverb char just other in the math
69   mode (my addition).
70   \endgroup
71   \global\catcode`#1\active
72 \else
73   \@shortverbinfo{\empty\#1already}{\empty\verb(*)}%
74 \fi}
75 \def\DeleteShortVerb#1{%
```

```

74  \@xa\ifx\csname_cc\string#1\endcsname\relax
75  \@shortvrbinfo\@empty{#1-not}{\@empty\verb(*)}%
76  \else
77  \@shortvrbinfo{Deleted_\#1_as}{\@empty\verb(*)}%
78  \rem@special{#1}%
79  \global\catcode`#1\csname_cc\string#1\endcsname
80  \global\@xa\let\csname_cc\string#1\endcsname\relax
81  \ifnum\catcode`#1=\active
82  \begingroup
83  \catcode`\~\active\lccode`\~`#1%
84  \lowercase{%
85    \global\@xa\let\@xa~%
86    \csname_ac\string#1\endcsname}%
87  \endgroup\@fi\@fi}

```

My little addition

```

88 \@ifpackageloaded{gmdoc}{%
89   \def\gmv@packname{gmdoc}%
90   \def\gmv@packname{gmverb}%
91 \def\@shortvrbinfo#1#2#3{%
92   \PackageInfo{\gmv@packname}{%
93     ^^J\@empty\#1\@xa\@gobble\string#2_a_short_reference
94     for\@xa\string#3}}
95 \def\add@special#1{%
96   \rem@special{#1}%
97   \@xa\gdef\@xa\dospecials\@xa
98   {\dospecials\do#1}%
99   \@xa\gdef\@xa\@sanitize\@xa
100  {\@sanitize\@makeother#1}}

```

For the commentary on the below macro see the doc package's documentation. Here let's only say it's just amazing: so tricky and wicked use of \do. The internal macro \rem@special defines \do to expand to nothing if the \do's argument is the one to be removed and to unexpandable CSs \do and *\do's argument* otherwise. With \do defined this way the entire list is just globally expanded itself. Analogous hack is done to the \@sanitize list.

```

101 \def\rem@special#1{%
102   \def\do##1{%
103     \ifnum`#1=`##1\else\@nx\do\@nx##1\fi}%
104   \xdef\dospecials{\dospecials}%
105   \begingroup
106   \def\@makeother##1{%
107     \ifnum`#1=`##1\else\@nx\@makeother\@nx##1\fi}%
108   \xdef\@sanitize{\@sanitize}%
109   \endgroup}

```

And now the definition of verbatim itself. As you'll see (I hope), the internal macros of it look for the name of the current environment (i.e., \currenvir's meaning) to set their expectation of the environment's \end properly. This is done to allow the user to define his/her own environments with \verb+verbatim+ inside them. I.e., as with the verbatim package, you may write \verb+verbatim+ in the begdef of your environment and then necessarily \endverbatim in its enddef. Of course (or *maybe surprisingly*), the commands written in the begdef after \verb+verbatim+ will also be executed at \begin{environment}.

```

verbatim  110 \def\verbatim{%
\verbatim  111   \edef\gmv@hyphenpe{\the\hyphenpenalty}%
112   \edef\gmv@exhyphenpe{\the\exhyphenpenalty}%
113   \begin{parpenalty}\predisplaypenalty\end{parpenalty}%
114   \frenchspacing\gobblespaces\verb@xverbatim
115   \hyphenpenalty=\gmv@hyphenpe\relax
116   \exhyphenpenalty=\gmv@exhyphenpe
117   \hyphenchar\font=\m@ne}%
in the LATEX version there's \%@vobeyspaces instead of \%gobblespaces.
verbatim* 118 \namedef{verbatim*}{\begin{parpenalty}\predisplaypenalty\end{parpenalty}%
119   \verb@xverbatim}
\endverbatim 120 \def\endverbatim{\@@par
121   \ifdim\lastskip>\z@
122     \tempskipa\lastskip\vskip-\lastskip
123     \advance\tempskipa\parskip\advance\tempskipa-%
124       \outerparskip
125     \vskip\tempskipa
126   \fi
127   \addvspace\topsepadd
128   \endparenv}
129 \n@melet{endverbatim*}{endverbatim}
130 \begingroup\catcode`!=o%
131 \catcode`[=_\catcode`]=2%
132 \catcode`\{=\active
133 \catcode`\\"=\active%
134 !gdef!xverbatim[%
135   !edef!verbatim@edef[%%
136     !def!noexpand!verbatim@end%
137     #####1!noexpand\end!noexpand{!@currenvir}[%%
138     #####1!noexpand!end[!@currenvir]]%%
139   !verbatim@edef
140   !verbatim@end]%
141 !endgroup
\@sxverbatim 142 \let\@sxverbatim=\xverbatim

```

F. Mittelbach says the below is copied almost verbatim from L^AT_EX source, modulo \check@percent.

```
\@verbatim 143 \def\@verbatim{%
```

Originally here was just \trivlist \item[], but it worked badly in my document(s), so let's take just highlights of if.

```
144   \parsep\parskip
```

From \trivlist:

```
145   \if@noskipsec\leavevmode\fi
146   \topsepadd\topsep
147   \ifvmode
148     \advance\topsepadd\partopsep
149   \else
150     \unskip\par
```

```

151   \fi
152   \@topsep\@topsepadd
153   \advance\@topsep\parskip
154   \outerparskip\parskip

(End of \trivlistlist and \trivlist highlights.)

155   \@@par\addvspace\@topsep
156   \if@minipage\else\vskip\parskip\fi
157   \leftmargin\parindent% please notify me if it's a bad idea.
158   \advance\@totalleftmargin\leftmargin
159   \raggedright
160   \leftskip\@totalleftmargin% so many assignments to preserve the list
      thinking for possible future changes. However, we may be sure no internal
      list shall use \@totalleftmargin as far as no inner environments are
      possible in verbatim(*).

161   \@@par% most probably redundant.
162   \tempswafalse
163   \def\par{\% but I don't want the terribly ugly empty lines when a blank line is met.
      Let's make them gmdoc-like i.e., let a vertical space be added as in between
      stanzas of poetry. Originally \if@tempswa\hbox{}\fi, in my version will
      be
164   \ifvmode\if@tempswa\addvspace\stanzaskip\@tempswafalse\fi\fi
165   \@@par
166   \penalty\interlinepenalty\check@percent%
167   \everypar{\@tempswatrue\hangindent\verbatimhangindent\hangafter%
      \one}% since several chars are breakable, there's a possibility of breaking
      some lines. We wish them to be hanging indented.
168   \obeylines
169   \ttverbatim}

\stanzaskip
170 \@ifundefined{stanzaskip}{\newlength\stanzaskip}{}%
171 \stanzaskip=\medskipamount

\verbatimhangindent
172 \newlength\verbatimhangindent
173 \verbatimhangindent=3em

\check@percent
174 \providecommand*\check@percent{}


```

In the gmdoc package shall it be defined to check if the next line begins with a comment char.

Similarly, the next macro shall in gmdoc be defined to update a list useful to that package. For now let it just gobble its argument.

```
\AddtoPrivateOthers
175 \providecommand*\AddtoPrivateOthers[1]{}
```

Both of the above are \provided to allow the user to load gmverb after gmdoc (which would be redundant since gmdoc loads this package on its own, but anyway should be harmless).

Let's define the 'short' verbatim command.

```
\verb*
176 \def\verb{\relax\ifmmode\hbox\else\leavevmode\null\fi
\verb
177   \bgroup
178   \ttverbatim
179   \gm@verb@eol
180   \@ifstar{\@sverb@chbsl}{\gmobeyspaces\frenchspacing@sverb@chbsl}%
      in the LATEX version there's \@vobeyspaces instead of \gmobeyspaces.
@\sverb@chbsl
181 \def\@sverb@chbsl#1{\@sverb#1\check@bslash}
```

```
\@def@breakbslash 182 \def\@def@breakbslash{\breakbslash}%
  because \ is \defined as \breakbslash not \let.
```

For the special case of a backslash opening a (short) verbatim, in which it shouldn't be breakable, we define the checking macro.

```
\check@bslash 183 \def\check@bslash{\@ifnextchar{\@def@breakbslash}{\bslash}%
  {\gobble}{}}
  184 \let\verb@balance@group\empty
\verb@egroup 185 \def\verb@egroup{\global\let\verb@balance@group\empty\egroup}
\gm@verb@eol 186 \let\gm@verb@eol\verb@eol@error
```

The latter is a L^AT_EX 2_E kernel macro that \activates line end and defines it to close the verb group and to issue an error message. We use a separate CS 'cause we are not quite positive to the forbidden line ends idea. (Although the allowed line ends with a forgotten closing shortverb char caused funny disasters at my work a few times.) Another reason is that gmdoc wishes to redefine it for its own queer purpose.

However, let's leave my former 'permissive' definition under the \verb@eol name.

```
\check@percent 187 \begingroup
  188 \obeylines\obeyspaces%
  189 \gdef\verb@eolOK{\obeylines%
  190 \def^M{\check@percent}%
  191 }%
  192 \endgroup
```

The \check@percent macro here is \provided to be \empty but in gmdoc employed shall it be.

Let us leave (give?) a user freedom of choice:

```
\verb@eolOK 193 \def\verb@eolOK{\let\gm@verb@eol\verb@eolOK}
```

And back to the main matter,

```
\verbatim@nolig@list 194 \def\@sverb#1{%
  195   \catcode`#1\active\lccode`\~`#1%
  196   \gdef\verb@balance@group{\verb@egroup%
  197     \@latex@error{Illegal use of \bslash verb command}\@ehc}%
  198   \aftergroup\verb@balance@group
  199   \lowercase{\let\~\verb@egroup}}
\do@noligs 200 \def\verbatim@nolig@list{\do\` \do\<\do\>\do\,,\do\ '\do\-\}
\do@noligs 201 \def\do@noligs#1{%
  202   \catcode`#1\active
  203   \begingroup
  204   \lccode`\~=\#1\relax
  205   \lowercase{\endgroup\def~{\leavevmode\kern\z@\char`#1}}}
```

And finally, what I thought to be so smart and clever, now is just one of many possible uses of a general almost Rainer Schöpf's macro:

```
\dekclubs 206 \def\dekclubs{\@ifstar{\OldMakeShortVerb\|}{\MakeShortVerb\|}}
```

But even if a shortverb is unconditional, the spaces in the math mode are not printed.
So,

```
\edverbs 207 \newcommand*\edverbs{%
  208   \let\gmv@dismath\%
  209   \let\gmv@edismath\%}
```

```

210  \def\[%
211   @ifnextac\gmv@disverb\gmv@dismath}%
212   \relaxen\edverbs}%
\gmv@disverb 213 \def\gmv@disverb{%
214   \gmv@dismath
215   \hbox\bgroup\def\]\{\egroup\gmv@edismath}\}

```

doc- And shortverb-Compatibility

One of minor errors while TeXing doc.dtx was caused by my understanding of a ‘shortverb’ char: at my settings, in the math mode an active ‘shortverb’ char expands to itself’s ‘other’ version thanks to `\string`. doc/shortverb’s concept is different, there a ‘shortverb’ char should work as usual in the math mode. So let it may be as they wish:

```

\old@MakeShortVerb 216 \def\old@MakeShortVerb#1{%
217   @xa\ifx\csname_cc\string#1\endcsname\relax
218   @shortvrbinfo{Made_}{#1}\@shortvrbdef
219   \add@special{#1}%
220   \AddtoPrivate@Others#1% a macro to be really defined in gmdoc.
221   @xa
222   \xdef\csname_cc\string#1\endcsname{\the\catcode`#1}%
223   \begingroup
224   \catcode`\~\active_\lccode`~`#1%
225   \lowercase{%
226     \global@xa\let\csname_ac\string#1\endcsname~%
227     @xa\gdef@xa~@xa{%
228       @shortvrbdef~}}%
229   \endgroup
230   \global\catcode`#1\active
231   \else
232   @shortvrbinfo@\empty{#1already}{\empty\verb(*)}%
233   \fi}
\OldMakeShortVerb 234 \def\OldMakeShortVerb{\begingroup
235   \let@MakeShortVerb=\old@MakeShortVerb
236   @ifstar{\eg@MakeShortVerbStar}{\eg@MakeShortVerb}}
\eg@MakeShortVerbStar 237 \def\eg@MakeShortVerbStar#1{\MakeShortVerb*#1\endgroup}
\eg@MakeShortVerb 238 \def\eg@MakeShortVerb#1{\MakeShortVerb#1\endgroup}
239 \endinput% for the Tradition.

```

Change History

vo.79	\edverbs: added, 9	General: \afterfi made two-argument (first undelimited, the stuff to be put after \fi, and the other, delimited with \fi, to be discarded, 10)
vo.80	\edverbs: debugged, i.e. \hbox added back and redefinition of \[, 9 \ttverbatim: \ttverbatim@hook added, 5	vo.82 General: CheckSum 663, 1
vo.81		vo.83 General:

<p>added a hook in the active left brace definition intended for gmdoc automatic detection of definitions (in line 15), 10 CheckSum 666, 1</p> <p>vo.84 General: CheckSum 658, 1</p> <p>vo.85 General:</p>	<p>added restoring of \hyphenpenalty and \exhyphenpenalty and setting \hyphenchar=-1, 10 CheckSum 673, 1</p> <p>vo.87 General: CheckSum 661, 1 visible space tidyied and taken from xltextra if available. gmutils required. The \xii... cs'es moved to gmutils. The documentation driver moved into the .sty file, 10</p>
--	--

Index

Numbers written in italic refer to the code lines where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used. The numbers preceded with 'p.' are page numbers. All the numbers are hyperlinks.

<p>\-, 200 \@MakeShortVerb, 51, 52, 53, 235 \@currenvir, 137, 138 \@def@breakbslash, 182, 183 \@emptify, 46 \@ifnextac, 211 \@nx, 103, 107 \@shortvrbdef, 51, 52, 55, 67, 218, 228 \@shortvrbinfo, 55, 71, 75, 77, 91, 218, 232 \@sverb@chbsl, 180, 181 \@topsep, 152, 153, 155 \@topsepadd, 126, 146, 148, 152 \@xa, 8, 54, 58, 63, 65, 66, 67, 74, 80, 85, 93, 94, 97, 99, 217, 221, 226, 227 \activespace, 33 \add@special, 56, 95, 219 \AddtoPrivateOthers, 57, 175, 220 \afterfi, 67 \breakablevisspace, 30, 34 \breakbslash, 21, 23, 27, 182 \breaklbrace, 9, 15, 24 \bslash, 20, 23, 183, 197 \check@bslash, 181, 183 \check@percent, 166, 174, 190</p>	<p>\dekclubs, p. 2, 206 \dekclubs*, p. 2 \DeleteShortVerb, p. 2, 73 \do@noligs, 40, 201 \dobreakblankspace, 35 \dobreakbslash, 27, 42 \dobreaklbrace, 13, 42 \dobreakspace, 43, 48 \dobreakvisiblespace, 34, 48 \edverbs, 207, 212 \eg@MakeShortVerb, 236, 238 \eg@MakeShortVerbStar, 236, 237 \endverbatim, 120 \everypar, 167 \exhyphenpenalty, 112, 116 \fixbslash, p. 2, 23 \fixlbrace, p. 2, 24 \fontencoding, 47 \foone, 11, 18, 25, 29, 31 \gm@lbracehook, 15, 17 \gm@verb@eol, 179, 186, 193 \gmobeyspaces, 114, 180 \gmv@dismath, 208, 211, 214 \gmv@disverb, 211, 213 \gmv@edismath, 209, 215 \gmv@exhyphenpe, 112, 116 \gmv@hyphenpe, 111, 115 \gmv@packname, 89, 90, 92 \hyphenpenalty, 111, 115</p> <p>\if@noskipsec, 145 \interlinepenalty, 166 \leftmargin, 157, 158 \MakeShortVerb, p. 2, 49, 206, 238 \MakeShortVerb*, 237 \n@melet, 128 \newlength, 170, 172 \obeyspaces, 31, 34, 35, 188 \old@MakeShortVerb, 216, 235 \OldMakeShortVerb, p. 2, 206, 234 \PackageInfo, 92 \parsep, 144 \partopsep, 148 \predisplaypenalty, 113, 118 \relaxen, 17, 212 \rem@special, 78, 96, 101 \RequirePackage, 4 \stanzaskip, 164, 170, 171 \ttverbatim, 39, 169, 178 \ttverbatim@hook, 45, 46, 47 \verb, 52, 71, 75, 77, 176, 232 \verb*, 51, 176</p>
--	--

\verb@balance@group,
 184, 185, 196, 198
\verb@egroup,185, 196, 199
\verb@eol@error, 186
\verb@eolOK, 189, 193
\verbatim, 110
verbatim, 110
verbatim*, 118

\verbatim@edef, 135, 139
\verbatim@end, 136, 140
\verbatim@nolig@list,
 40, 200
\verbatimhangindent,
 167, 172, 173
\verbeolOK, *p. 2*, 193
\VerbHyphen, *p. 2*, 6

\verbhyphen, 5, 8, 10, 21
\VerbT, 47
\VerbT₁, 47
\visiblespace, 30
\xiiclub, 38
\xiilbrace, 10, 24
\xiipercent, 5