# Section name references in $\LaTeX^*$

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# Documentation overview for hyperref

The documentation for package hyperref consists of several files:

Manual The USER MANUAL (also available as HTML).

**README** The **README** file (also available as text file). Here information is collected that is not yet in the manual: new features, package compatibility, limitations, known problems, ...

ChangeLog This file records the version history (also available as text file).

Options This file provides a short option summary.

Bookmark talk, slides Slides for the talk "PDF information and navigation elements with hyperref, pdfTeX and thumbpdf" at EuroT<sub>E</sub>X 1999.

Bookmark talk, paper The paper version of the talk.

Source code documentation:

hyperref.dtx This is the source code documentation for hyperref.

backref.dtx "Back referencing from bibliographical citations"

nameref.dtx "Section name references in LATEX" (this file)

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<sup>\*</sup>This file has version number v2.43, last revised 2012/10/27.

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### 1 Introduction

Cross-referencing to include the *name* of the section, rather than just the number or page. This works by redefining some of the inside LATEX macros, so it is vulnerable to future changes.

# 2 History

```
Sebastian Rahtz, for Lou Burnard, March 15th 1994;
SPQR CERN July 1994;
Last mod. Sept. 3th MG;
Sept. 19th SPQR;
April 11th 1995 SPQR (added section formatting hook);
April 14th 1995 SPQR (compatibility with hyperref);
June 22 1995 SPQR (removed typeout from Sectionformat);
September 22 1997 added varioref hacks by Corey Minyard;
September 28th changes by David Carlisle.
More recent changes are recorded in ChangeLog.
```

The versions before 2009/11/27 v2.32 did not expand the title strings (of \section, \caption, ...). Then the behaviour switched to expanding, because this allows to remove unwanted macros (\label, ...). Despite this method is used in package titleref and class memoir, the first feedbacks let me conclude that this is not robust enough. Therefore I wrote package gettitlestring that uses the non-expanding method as default. It also allows me to use this package in package zref-titleref. See the package documentation of package gettitlestring how to change the method. It also provides a hook to remove additional unwanted macros, not supported by the package. Example:

```
\usepackage{gettitlestring}
\GetTitleStringDisableCommands{%
\let\mylabel\@gobble
\renewcommand\myindex[2]{}%
}
```

# 3 Implementation

```
1 (*package)
```

- 3 \RequirePackage{gettitlestring}[2009/12/18]
- 4 \RequirePackage{ltxcmds}[2009/12/12]

We redefine \label so that it also writes the name of the current section to the .aux file; if the name ends in a dot, we zap it. To allow for the hyperref package, also write fourth and fifth fields (empty by default; used for cross-ref name, and file).

\NR@strip@period

```
\label{likelihood} 5 \def\NR@strip@period\#1.\\ltx@empty\#2\@nil{\#1}
```

\strip@period Macro \strip@period was removed in nameref 2012/07/28 v2.41 and reinserted in 2012/07/31 v2.42 for compatibilty reasons with package subfig.

```
\label{lem:condition} 6 \def\strip@period\#1.\relax\#2\@@@\{\#1\}
```

```
7 \def\NR@sanitize@labelname{%
   \@onelevel@sanitize\@currentlabelname
   \edef\@currentlabelname{%
     \expandafter\NR@strip@period\@currentlabelname
10
     \ltx@empty.\ltx@empty\@nil
11
12
   }%
13 }
```

#### \label stuff 3.1

Here is tested, whether package showkeys is loaded. But if option final is used, the macros of showkeys are not defined, so we have to check an additional test.

#### \ifNR@showkeys

```
14 \newif\ifNR@showkeys
              15 \NR@showkeysfalse
              16 \@ifpackageloaded{showkeys}{%
              17
                  \begingroup
                   \ensuremath{\texttt{Oifundefined}\{SK@@label\}\{\%\}}
              18
              19
                   }{%
                     \global\NR@showkeystrue
              20
                   }%
              21
              22 \endgroup
              23 }{}
\label@hook
              24 \providecommand*{\label@hook}{}
              25 \label@hook}{\%}
              26 \NR@sanitize@labelname
              27 }
     \label
              28 \left| 4\% \right|
                  \@bsphack
              30
                  \begingroup
                   \label@name{\#1}\%
              31
                   \label@hook
              32
                   \protected@write\@auxout{}{%
              33
                     \left| \frac{\#1}{\%} \right|
              34
              35
```

```
{\@currentlabel}%
        {\tilde{}}
36
        {\@currentlabelname}%
37
        {\@currentHref}{}%
38
      }%
39
40
    }%
41
   \endgroup
42 \@esphack
43 }%
44 \ifNR@showkeys
   45
46
     \@bsphack
     \SK@\SK@@label{#1}%
47
     \begingroup
48
49
      \def \end{mass} \def \end{mass} 
50
      \label@hook
      \protected@write\@auxout{}{%
51
        \left| \frac{\#1}{\%} \right|
52
```

```
{\@currentlabel}%
 53
           {\thepage}%
 54
           {\@currentlabelname}%
 55
           {\@currentHref}{}%
 56
 57
          }%
 58
        }%
       \endgroup
 59
       \@esphack
 60
61 }%
 62 \fi
 63 \let\ltx@label\label
Needed for the subequarray package.
 64 \ensuremath{\texttt{Gifundefined{slabel}{}{}}}
     \def\slabel#1{\%}
       \@bsphack
```

```
\if@filesw
67
                                              \begingroup
68
                                                        \label@name{\#1}\%
69
                                                        \label@hook
70
                                                         \let\thepage\relax
71
72
                                                        \def\protect{\noexpand\noexpand\noexpand}%
                                                         \edef\@tempa{%
73
74
                                                                   \write\@auxout{%
75
                                                                             \left| \right| 
76
                                                                                      {\thesubequation}%
77
                                                                                      {\thepage}%
                                                                                       {\@currentlabelname}%
78
                                                                                      {\@currentHref}{}%
79
                                                                           }%
80
                                                                 }%
81
                                                        }%
82
                                              \expandafter\endgroup
83
                                              \@tempa
84
                                              \inf \nobreak \in \nob
85
                                     \fi
86
87
                                     \@esphack
88
                         }%
89 }
```

Overload an AMS LATEX command, which uses \newlabel. Sigh!

#### \@writetocindents@

\ltx@label

\slabel

```
90 \def\@writetocindents@{%
    \begingroup
91
    \ensuremath{\texttt{Qfor}\ensurema:=-1,0,1,2,3\do{\%}}
92
93
     \immediate\write\@auxout{%
      \string\newlabel{tocindent\@tempa}{%
94
        95
      }%
96
     }%
97
98 }%
99
    \endgroup
100 }
```

#### 3.2 Changes of section macros

Add to the underlying section heading macros so that they note the section name for use by label.

If a section heading or the like has a **\label** in it, we need to extract it, or subsequent processing breaks.

```
\NR@gettitle
            101 \def\NR@gettitle#1{%
                \GetTitleString{#1}%
                \let\@currentlabelname\GetTitleStringResult
            104 }
               First the numbered sections. While we are about it, put in a useful section
            formatting macro.
  \NR@sect
            105 \let\NR@sect\@sect
            106 \newcounter{section@level}
     \@sect
            107 \def\@sect#1#2#3#4#5#6[#7]#8{%
                \setcounter{section@level}{#2}%
                \NR@gettitle{#7}%
            111 }
            and now the unnumbered ones
  \NR@ssect
            112 \let\NR@ssect\@ssect
  \NR@ssect
            113 \def\@ssect#1#2#3#4#5{%
            114 \NR@gettitle{#5}%
            115 \NR@ssect{#1}{#2}{#3}{#4}{\Sectionformat{#5}{#1}}%
            116 }
               Support for class memoir.
            117 \ltx@IfUndefined{ifheadnameref}{%
            118 }{%
            119
                \ltx@IfUndefined{M@sect}{%
            120
                }{%
            121
                  \let\NRorg@M@sect\M@sect
                  \def\M@sect#1#2#3#4#5#6[#7][#8]{\%
            122
            123
                   \ifheadnameref
                     \NR@gettitle{#8}%
            124
            125
                   \else
            126
                     \NR@gettitle{#7}\%
            127
                   \label{eq:nrog_mosect} $$\NRorg@M@sect{#1}{#2}{#3}{#4}{#5}{#6}[{#7}][{#8}]%
            128
            129
                  }%
            130 }%
            131 }
```

Parts and chapters are treated differently. sigh. \@part and \@spart are \long because of class memoir.

```
132 \let\NR@part\@part
133 \long\def\@part[#1]#2{\%}
             \NR@gettitle{#1}%
135
             \NR@part[{#1}]{#2}%
136 }
137 \left(NR@spart\right)
138 \long\def\@spart#1{\%}
             \NR@gettitle{#1}%
139
140 \NR@spart{#1}%
141 }
142 \let\NR@chapter\@chapter
143 \def\@chapter[#1]#2{\%}
              \NR@gettitle{#1}%
145
             \NR@chapter[{#1}]{#2}%
146 }
147 \ensuremath{\mbox{\tt Oifclassloaded{memoir}}}
             \ltx@IfUndefined{ifheadnameref}{%
149
             }{%
150
                   \def\@chapter[#1]#2{\%}
                       \ltx@IfUndefined{ch@pt@c}{%
151
                           \NR@gettitle{#1}%
152
                       }{%
153
                           \ifx\ch@pt@c\ltx@empty
154
                               \NR@gettitle{#2}%
155
                           \else
156
157
                               \def\NR@temp{#1}%
158
                               \ifx\NR@temp\ltx@empty
                                    \verb|\expandafter| NR@gettitle| expandafter{\ch@pt@c}%|
159
                               \else
160
                                    \ifheadnameref
161
                                        \NR@gettitle{#1}%
162
163
                                    \else
                                        \verb|\expandafter| NR@gettitle| expandafter{\ch@pt@c}%
164
165
                                   \fi
                               \fi
166
167
                           \fi
168
                       }%
                       \label{eq:nrechapter} $$\NR@chapter[{\#1}]{\#2}\%$
169
                 }%
170
171 }%
172 }{}
173 \label{eq:nr} 173 \operatorname{let}\NR@schapter\Cschapter
174 \def\@schapter#1{\%
             \NR@gettitle{#1}%
175
              \NR@schapter{#1}%
176
177 }
          Captions
178 AtBeginDocument{\%}
              \@ifpackageloaded{hyperref}{%
                  \verb|\dispackage| later{hyperref}{2009/12/05} \|\dispackage| later{hyperref}{2009/12/05} \|\dispackage| later{hyperref}{2009/12/05} \|\dispackage| later{hyperref}{2009/12/05} \|\dispackage| later{hy
180
             }\@firstofone
181
              {%
182
                   \let\NR@@caption\@caption
183
                  \label{longdef} $$  \log\left(\frac{\pi}{2}\right)^{2}. $$
184
```

```
\NR@gettitle{#2}%
185
       \NR@@caption{#1}[{#2}]%
186
     }%
187
    }%
188
189
    \@ifpackageloaded{longtable}{%
      \let\NRorg@LT@c@ption\LT@c@ption
190
      \label{location} $$ \def\LT@c@ption\#1[\#2]\#3{\%} $$
191
       \NRorg@LT@c@ption{#1}[{#2}]{#3}%
192
       \def\@tempa{\#2}\%
193
       \ifx\@tempa\@empty
194
195
       \else
         \NR@gettitle{#2}%
196
197
198
      }%
199
    }{}%
   Environment 'description'.
    \ltx@IfUndefined{descriptionlabel}{%
200
    }{%
201
      \let\NRorg@descriptionlabel\descriptionlabel
202
      \def\descriptionlabel#1{\%}
203
204
       \NR@gettitle{#1}%
205
       \NRorg@descriptionlabel{#1}%
      }%
206
207
    }%
208 }
   Compatibility for package titlesec.
209 \AtBeginDocument{%
    \@ifpackageloaded{titlesec}{%
      \let\NRorg@ttl@sect@i\ttl@sect@i
211
212
      \def\ttl@sect@i#1#2[#3]#4{\%}
213
       \NR@gettitle{#4}%
214
       \NRorg@ttl@sect@i{#1}{#2}[{#3}]{#4}%
     ት%
215
216 }{}%
217 }
3.2.1 Class beamer
218 \@ifclassloaded{beamer}{%
    \def\NR@PatchBeamer#1{\%}
219
      \expandafter\let\csname NRorg@beamer@#1\expandafter\endcsname
220
                 \csname beamer@#1\endcsname
221
222
      \begingroup
       \edef\x{\endgroup
223
         \long\def\expandafter\noexpand\csname beamer@#1\endcsname
224
           [####1]{% hash-ok
225
          \noexpand\NR@gettitle{####1}%
226
227
          \expandafter\noexpand\csname NRorg@beamer@#1\endcsname
228
          [{####1}]%
229
         }%
       }%
230
231
      \x
    }%
232
    \NR@PatchBeamer{section}%
233
    \NR@PatchBeamer{subsection}%
234
    \NR@PatchBeamer{subsubsection}%
```

```
Theorem names.
                   \addtobeamertemplate{theorem begin}{%
              236
                    \expandafter\NR@gettitle\expandafter{\inserttheoremaddition}%
              237
              238
                   }{}%
                   \@ifdefinable{\NRorg@beamer@descriptionitem}{%
              239
                    \let\NRorg@beamer@descriptionitem\beamer@descriptionitem
              240
              241
                    \renewcommand{\beamer@descriptionitem}[1]{%
                      \NR@gettitle{#1}%
              242
                      \NRorg@beamer@descriptionitem{#1}%
              243
                    }%
              244
              245 }%
              246 }{}
                     Theorems
              3.2.2
              247 \ltx@IfUndefined{@opargbegintheorem}{}{%
                   248
                   \def\@opargbegintheorem#1#2#3{\%}
              249
                    \NR@gettitle{#3}%
              250
                    \NRorg@opargbegintheorem{#1}{#2}{#3}%
              251
              252
                   }%
              253 }
              254 \AtBeginDocument{%
                   \@ifpackageloaded{amsthm}{%
              256
                    \let\NRorg@begintheorem\@begintheorem
              257
                    \begingroup
                      \ensuremath{\mbox{ macro:\string#1\string#2[\string#3]}\%}
              258
                      \@onelevel@sanitize\x
              259
                      \def \y #1-> #2\@nil{#1}%
              260
              261
                      \edef\z{\expandafter\y\meaning\@begintheorem->\@nil}%
              262
                      \@onelevel@sanitize\z
              263
                    \expandafter\endgroup
                    ifx\x\z
              264
              265
                      \def\@begintheorem#1#2[#3]{\%}
              266
                       \NR@gettitle{#3}%
                       \label{local_norm} $$\NRorg@begintheorem{#1}{#2}[{#3}]\%$
              267
              268
                     }%
              269
                    ۱fi
                  }{}%
              270
              271 }
                    Referencing stuff
              3.3
              We default the label and hypertext reference to be empty.
              272 \providecommand*{\@currentlabelname}{}
              273 \providecommand*{\@currentHref}{}
              Since the second part of the preserved reference now has five parts (number, page,
              name, hypertext reference and file), we need extra utility macros:
  \@firstoffive
              274 \long\def\@firstoffive#1#2#3#4#5{#1}
\@secondoffive
              275 \log \left( \frac{42}{275} \right)
 \@thirdoffive
              276 \log\left(\frac{44}{5}\right)
```

```
277 \long\def\@fourthoffive#1#2#3#4#5\{#4\}
          \@offive
                   278 \long\def\@fifthoffive#1#2#3#4#5{#5}
                   We have to redefine \ref and \pageref to know about extra reference elements.
                   Make them robust, and compatible with Babel. The Babel switch is mimicked if
                   not already defined. Some support for package showkeys is implemented. If option
                   notref of that package is set, \SK@ref has the meaning of \@empty.
\@safe@activestrue
                   279 \providecommand*\@safe@activestrue{}%
\@safe@activesfalse
                   280 \providecommand*\@safe@activesfalse{}%
       \NR@setref
                   281 \def\NR@setref#1{%
                   282 \begingroup
                        \@safe@activestrue
                   283
                   284
                         \expandafter
                   285
                       \endgroup
                   286
                       \expandafter\NR@@setref\csname r@#1\endcsname
                   287 }
     \NR@@setref
                   288 \def\NR@@setref#1{%
                   289 \ifx\@undefined#1%
                   290
                         \left| \frac{\#1}{relax} \right|
                   292
                       \@setref#1%
                   293 }
           \T@ref
                   294 \def\T@ref#1{%
                   295 \NR@setref{#1}\@firstoffive{#1}%
                   296 }%
       \T@pageref
                   297 \def\T@pageref#1{%
                   298 \NR@setref{#1}\@secondoffive{#1}%
                   299 }%
                   301 \ifx\SK@ref\@empty
                       \else
                   302
           \T@ref
                         \def\T@ref\#1{\%}
                   303
                          \@safe@activestrue
                   304
                          \SK@\SK@Cref{#1}%
                   305
                          \@safe@activesfalse
                   306
                          \NRQsetref{#1}\Qfirstoffive{#1}%
                   307
                   308
                         }%
```

\@fourthoffive

```
\T@pageref
```

```
309 \def\T@pageref#1{%
310 \@safe@activestrue
311 \SK@\SK@@ref{#1}%
312 \@safe@activesfalse
313 \NR@setref{#1}\@secondoffive{#1}%
314 }%
315 \fi
316 \fi
```

Package hyperref uses its own definitions of \ref and \pageref because it extends the syntax by the star form. \DeclareRobustCommand is used by hyperref. Package nameref can be loaded before, after hyperref or after hyperref's definitions in \AtBeginDocument.

```
317 \@ifpackageloaded{hyperref}{% 318 }{%
```

\ref

319 \DeclareRobustCommand{\ref}{\T@ref}%

#### \pageref

321 }

### 3.4 Usage and frontend

Access the (third) name part with \nameref;

#### $\verb|\T@nameref|$

```
322 \left( \text{def}\right) 
323
    \begingroup
     \left| \right| \
324
     \verb|\NR@setref{#1}\Othirdoffive{#1}%|
325
326 \endgroup
327 }%
328 \ifNR@showkeys
    \ifx\SK@ref\@empty
329
330
331
     \def\T@nameref#1{%
332
       \@safe@activestrue
       \SK@\SK@Gref{#1}%
333
       \verb|\@safe@activesfalse|
334
       \begingroup
335
        \let\label\@gobble
336
        \NR@setref{#1}\@thirdoffive{#1}%
337
338
       \endgroup
     }%
339
    \fi
340
341 \fi
342 \%\ @ifclassloaded{memoir}{%
343 % \ltx@IfUndefined{@mem@titlerefnolink}\ltx@secondoftwo{%
       344 %
345 % }%
346 %}\ltx@secondoftwo
```

```
347 %{%
348 % \DeclareRobustCommand*{\nameref}{%
349 % \@ifstar\@mem@titlerefnolink\@mem@titleref
350 % }%
351 %}{%
\nameref

352 \DeclareRobustCommand*{\nameref}{%
353 \@ifstar\T@nameref\T@nameref
354 }%
355 %}

\Nameref An extended form which gives title and page number.
356 \def\Nameref#1{'\nameref{#1}'} on page~\pageref{#1}}
\Sectionformat The default for \Sectionformat
357 \providecommand\Sectionformat[2]{#1}
```

#### 3.5 Package ifthen support

Package if then's \isodd does not work with \pageref because of the extra link and the star form. Therefore we need an expandable variant.

Unfortunately there is no hook in **\ifthenelse** in order to provide expandable versions without link of **\ref** and **\pageref**. As possible target I could only find **\begingroup**:

```
358 \ensuremath{\texttt{Qifpackageloaded\{ifthen}}{\%}
    \def\ifthenelse{%
360
     \let\begingroup\NR@TE@begingroup
361
     \NROrg@ifthenelse
362
363 }%
    \let\NROrg@begingroup\begingroup
364
    \def\NR@TE@begingroup{%
365
366
     \let\begingroup\NROrg@begingroup
     \begingroup
     \def\ref\#1{\getrefbykeydefault{\##1}{}{??}}%
369
     \def\pageref##1{\getrefbykeydefault{##1}{page}{0}}%
370 }%
371 }{}
```

## 3.6 Compatibility with varioref

[This section was derived by Corey Minyard minyard@acm.org from the varioref package]

```
372 \AtBeginDocument{%
    \ifx\csname @@vpageref\endcsname\relax
373
374
      \def\@@vpageref#1[#2]#3{%
375
376
       \begingroup
377
         \csname @safe@activestrue\endcsname
         \left( x{\#3}\right) 
378
         \@onelevel@sanitize\x
379
         \toks@{%
380
          \NR@@vpageref{#1}[{#2}]%
381
382
383
         \edef\x{\endgroup
```

```
\ \
384
385
                                       }%
386
                                  \x
                            }%
387
                             \def\NR@@vpageref#1[#2]#3{%
388
389
                                   \leavevmode\unskip
                                   \global\advance\c@vrcnt\@ne
390
                                   \@ifundefined{r@\the\c@vrcnt @vr}%
391
                                         \label{local-cont} $$ \operatorname{\cont} \operatorname{\con
392
                                   \edef\@tempa{%
393
                                         \expandafter\expandafter\expandafter
394
                                         \@secondoffive\csname r@\the\c@vrcnt @vr\endcsname
395
396
                                  \@ifundefined{r@\the\c@vrcnt @xvr}%
397
                                         \end{converted} $$ \operatorname{covrent}(??}{??}{}{}}}
398
399
                                   \edef\@tempb{%
400
                                        \expandafter\expandafter\expandafter
                                         \@secondoffive\csname r@\the\c@vrcnt @xvr\endcsname
401
                                 }%
402
                                  {%
403
                                         \let\@currentlabel\@empty
404
                                         \expandafter\label\expandafter{\the\c@vrcnt @xvr}%
405
406
407
                                   \ifx\@tempa\@tempb
408
                                   \else
409
                                         \vref@err{%
410
                                               \noexpand\vref at page boundary %
411
                                               \@tempb-\@tempa\space (may loop)%
                                        }%
412
                                  \fi
413
                                  \label{lem:condition} $$ \operatorname{r@\#3}_{??}_{??}_{?}_{}}_{}% $$ $$ \operatorname{defined}_{r@\#3}_{??}_{??}_{}}_{}% $$
414
                                   \edef\thevpagerefnum{%
415
                                         \expandafter\expandafter\expandafter
416
                                        \@secondoffive\csname r@#3\endcsname
417
418
                                  \ifx\vref@space\@undefined
419
420
                                         \space
421
                                   \else
422
                                         \vref@space
423
                                  \ifx\@tempa\thevpagerefnum
424
                                         #1%
425
                                   \else
426
                                         #2%
427
                                         \is@pos@number\thevpagerefnum{%
428
                                               \is@pos@number\@tempa{%
429
                                                      \@tempcnta\@tempa
430
431
                                                      \advance\@tempcnta\@ne
                                               }{%
432
                                                      \@tempcnta\maxdimen
433
434
                                               \ifnum \thevpagerefnum =\@tempcnta
435
                                                     \ifodd\@tempcnta
436
437
                                                            \if@twoside
                                                                   \reftextfaceafter
438
439
                                                            \else
                                                                   \reftextafter
440
```

```
\fi
441
           \else
442
            \reftextafter
443
           \fi
444
445
          \else
           \advance\@tempcnta-2 %
446
           \ifnum \thevpagerefnum =\@tempcnta
447
            \ifodd\@tempcnta
448
              \reftextbefore
449
            \else
450
              \if@twoside
451
452
               \reftextfacebefore
453
               \reftextbefore
454
455
              \fi
            \fi
456
457
            \reftextfaraway{#3}%
458
           \fi
459
          \fi
460
        }{%
461
          \reftextfaraway{#3}%
462
        }%
463
464
       \fi
465
466
        \let\@currentlabel\@empty
        \expandafter\label\expandafter{\the\c@vrcnt @vr}%
467
       }%
468
     }%
469
      \DeclareRobustCommand\vnameref[1]{%
470
       471
       \verb|\@vpageref[\unskip]{#1}%|
472
     }%
473
474
    \fi
475 }
476 \@ifundefined{@Refstar}{%
477
    \def\T@Ref#1{%
      \verb|\NR@setref{#1}\NR@MakeUppercaseFirstOfFive{#1}| % \\
478
479
    480
     \Med Uppercase #1\%
481
482 }%
483 }{}%
484 \AtBeginDocument{%
    \@ifpackageloaded{varioref}{%
485
486
      \ensuremath{\texttt{@Refstar}}{\%}
487
       \T@Ref{#1}%
488
       }%
489
     }{}%
490
491 }{}%
492 }%
```

### 3.7 Support for package listings

```
493 \AtBeginDocument{\%} \\ 494 \Gifpackageloaded{listings}{\%}
```

```
\let\NROrg@lst@MakeCaption\lst@MakeCaption
495
496
      \def\lst@MakeCaption{%
497
        \ifx\lst@label\@empty
498
        \else
         \let\@currentlabelname\lst@@caption
499
500
501
        \NROrg@lst@MakeCaption
      }%
502
503 }{}%
504 }
505 (/package)
```

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