# Section name references in LATEX\*

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https://github.com/latex3/hyperref/issues

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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).

ChangeLog This file records the version history.

Bookmark talk, slides Slides for the talk "PDF information and navigation elements with hyperref, pdfTeX and thumbpdf" at EuroT<sub>F</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 v2.47, last revised 2021-04-02.

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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

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

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.

```
6 \def\strip@period#1.\relax#2\@@@{#1}
```

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

### 3.1 \label stuff

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
18 \@ifundefined{SK@@label}{%
19 }{%
20 \global\NR@showkeystrue
21 }%
22 \endgroup
23 }{}
```

#### \label@hook

```
24 \providecommand*{\label@hook}{}
25 \ltx@GlobalAppendToMacro{\label@hook}{%
26 \NR@sanitize@labelname
27 }
```

```
28 \left| 4\% \right|
            29
                 \@bsphack
                 \begingroup
            30
                   \def \label@name{#1}%
            31
                   \label@hook
            32
                   \protected@write\@auxout{}{%
            33
                      \string\newlabel{#1}{%
            34
                        {\@currentlabel}%
            35
                        {\theta}
            36
                        {\@currentlabelname}%
            37
                        {\@currentHref}{}%
            38
                     }%
            39
            40
                   }%
            41
                 \endgroup
            42
                 \@esphack
            43 }%
            44 \ifNR@showkeys
                 \def \label #1{%}
            45
            46
                   \@bsphack
                   \SK@\SK@@label{#1}%
            47
                   \begingroup
            48
                      \def\label@name{\#1}\%
            49
                      \label@hook
            50
                      \protected@write\@auxout{}{%
            51
                        \string\newlabel{#1}{%
            52
            53
                          {\@currentlabel}%
            54
                          {\thepage}%
                          {\@currentlabelname}%
            55
                          {\@currentHref}{}%
            56
                        }%
            57
                     }%
            58
                   \endgroup
            60
                   \@esphack
            61
                }%
            62 \fi
\ltx@label
            63 \let\ltx@label\label
           Needed for the subequarray package.
   \slabel
            64 \ensuremath{\texttt{@ifundefined{slabel}{}{}}}
                 \def\slabel#1{%
            66
                   \@bsphack
            67
                   \if@filesw
            68
                      \begingroup
                        \def\label@name{\#1}\%
            69
                        \label@hook
            70
```

\label

```
71
           \let\thepage\relax
           \def\protect{\noexpand\noexpand\noexpand}%
72
           \ensuremath{\tt def\@tempa{\%}}
73
             \write\@auxout{%
74
               \left| \right| 
75
76
                  {\thesubequation}%
77
                  {\thepage}%
                  {\@currentlabelname}%
78
79
                  {\@currentHref}{}%
               }%
80
             }%
81
           }%
82
83
         \expandafter\endgroup
         \@tempa
84
         \if@nobreak\ifvmode\nobreak\fi\fi
85
86
       \fi
87
       \@esphack
    }%
88
89 }
```

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

#### \@writetocindents@

```
90 \def\@writetocindents@{%
    \begingroup
    \ensuremath{\texttt{Qfor}\ensurema:=-1,0,1,2,3\do{\%}}
92
      \immediate\write\@auxout{%
93
        \string\newlabel{tocindent\@tempa}{%
94
          95
96
        }%
97
      }%
    }%
98
    \endgroup
99
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{%
102 \GetTitleString{#1}%
103 \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}%
           109
           110
                \label{lem:nr0sect} $$ NR0sect{#1}{#2}{#3}{#4}{#5}{#6}[{#7}]{Sectionformat{#8}{#2}}% $$
           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}%
                \label{lem:nrosect} $$\NR@ssect{#1}{#2}{#3}{#4}{\Sectionformat{#5}{#1}}%
           116 }
              Support for class memoir.
           117 \ltx@IfUndefined{ifheadnameref}{%
           118 }{%
               \ltx@IfUndefined{M@sect}{%
           119
               }{%
           120
                   \let\NRorg@M@sect\M@sect
           121
                   \def\M@sect#1#2#3#4#5#6[#7][#8]{%
           122
           123
                     \ifheadnameref
                       \NR@gettitle{#8}%
           124
           125
                     \else
                       \NR@gettitle{\#7}%
           126
           127
                     \fi
                     \label{lem:norgomosect} $$\NRorgOMOsect{#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}%
                \NR@part[{#1}]{#2}%
           135
           136 }
           137 \let\NR@spart\@spart
           138 \long\def\@spart#1{%}
```

```
\NR@gettitle{#1}%
139
                \NR@spart{#1}%
140
141 }
143 \def\@chapter[#1]#2{%
               \NR@gettitle{#1}%
145
                \NR@chapter[{#1}]{#2}%
146 }
147 \@ifclassloaded{memoir}{%
                \ltx@IfUndefined{ifheadnameref}{%
148
                }{%
149
                      \def\@chapter[#1]#2{%
150
                            \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}|| % of the least 
159
                                         \else
160
                                               \ifheadnameref
161
                                                      \NR@gettitle{#1}%
162
163
                                               \else
                                                       \expandafter\NR@gettitle\expandafter{\ch@pt@c}%
164
165
                                         \fi
166
                                   \fi
167
                            }%
168
                             \NR@chapter[{#1}]{#2}%
169
170
                     }%
171
               }%
172 }{}
173 \let\NR@schapter\@schapter
174 \def\@schapter#1{%
                \NR@gettitle{#1}%
175
                \NR@schapter{#1}%
176
177 }
          Captions
178 \AtBeginDocument{%
                \@ifpackageloaded{hyperref}{%
179
                      \label{lem:condition} $$ \operatorname{later} {\displaystyle \frac{2009/12/05} \end{to} } $$
180
181
                }\@firstofone
182
183
                      \let\NR@@caption\@caption
                      \long\def\@caption#1[#2]{%
184
185
                             \NR@gettitle{#2}%
                            \NR@@caption{#1}[{#2}]%
186
```

```
187
       }%
     }%
188
     \@ifpackageloaded{longtable}{%
189
       \let\NRorg@LT@c@ption\LT@c@ption
190
       \def\LT@c@ption#1[#2]#3{%
191
         \NRorg@LT@c@ption{#1}[{#2}]{#3}%
192
193
         \def\@tempa{#2}%
         \ifx\@tempa\@empty
194
195
         \else
            \NR@gettitle{#2}%
196
197
         \fi
       }%
198
     }{}%
199
   Environment 'description'.
     \ltx@IfUndefined{descriptionlabel}{%
200
     }{%
201
202
       \let\NRorg@descriptionlabel\descriptionlabel
203
       \def\descriptionlabel#1{%
          \NR@gettitle{#1}%
204
205
          \NRorg@descriptionlabel{#1}%
       }%
206
     }%
207
208 }
   Compatibility for package titlesec.
209 \AtBeginDocument{%
210
     \@ifpackageloaded{titlesec}{%
211
       \let\NRorg@ttl@sect@i\ttl@sect@i
212
       \def\ttl@sect@i#1#2[#3]#4{%
213
          \NR@gettitle{#4}%
          \NRorg@ttl@sect@i{#1}{#2}[{#3}]{#4}%
214
       }%
215
216
     }{}%
217 }
       Class beamer
3.2.1
218 \@ifclassloaded{beamer}{%
     \def\NR@PatchBeamer#1{%
219
220
       \expandafter\let\csname NRorg@beamer@#1\expandafter\endcsname
221
                        \csname beamer@#1\endcsname
222
       \begingroup
223
         \edef\x{\endgroup
            \long\def\expandafter\noexpand\csname beamer@#1\endcsname
224
                [####1]{% hash-ok
225
              \noexpand\NR@gettitle{####1}%
226
              \expandafter\noexpand\csname NRorg@beamer@#1\endcsname
227
              [{####1}]%
228
229
           }%
```

```
230
         }%
231
       /x
     }%
232
     \NR@PatchBeamer{section}%
233
     \NR@PatchBeamer{subsection}%
234
235
     \NR@PatchBeamer{subsubsection}%
   Theorem names.
     \verb|\addtobeamertemplate{theorem begin}{%}|
236
       \expandafter\NR@gettitle\expandafter{\inserttheoremaddition}%
237
238
     }{}%
     \@ifdefinable{\NRorg@beamer@descriptionitem}{%
239
240
       \let\NRorg@beamer@descriptionitem\beamer@descriptionitem
241
       \renewcommand{\beamer@descriptionitem}[1]{%
         \NR@gettitle{#1}%
242
         \NRorg@beamer@descriptionitem{#1}%
243
       }%
244
    }%
245
246 }{}
3.2.2 Theorems
247 \t 01tx0IfUndefined00opargbegintheorem14%
     \let\NRorg@opargbegintheorem\@opargbegintheorem
248
     \def\@opargbegintheorem#1#2#3{%
249
       \NR@gettitle{#3}%
250
       \NRorg@opargbegintheorem{#1}{#2}{#3}%
251
252
     }%
253 }
254 \AtBeginDocument{%
255
     \@ifpackageloaded{amsthm}{%
256
       \let\NRorg@begintheorem\@begintheorem
257
       \begingroup
         \edef\x{macro:\string#1\string#2[\string#3]}%
258
259
         \@onelevel@sanitize\x
260
         \def\y#1->#2\@nil{#1}%
         \edef\z{\expandafter\y\meaning\@begintheorem->\@nil}%
261
262
         \@onelevel@sanitize\z
263
       \expandafter\endgroup
264
       \int x/x/z
265
         \def\@begintheorem#1#2[#3]{%
266
            \NR@gettitle{#3}%
            \NRorg@begintheorem{#1}{#2}[{#3}]%
267
268
         }%
269
       \fi
270
     }{}%
271 }
```

## 3.3 Referencing stuff

We default the label and hypertext reference to be empty.

```
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 \log \left( \frac{9}{1} \right)
                        \@secondoffive
                                                                                                 275 \ \end{array} 175 \ \end
                            \@thirdoffive
                                                                                                 276 \ \end{cm} \ \end{cm} \ \ \end{cm} \ \ \end{cm} \
                        \@fourthoffive
                                                                                                 277 \long\def\@fourthoffive#1#2#3#4#5{#4}
                                                    \@offive
                                                                                                 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
                                                                                                                          \expandafter\NR@@setref\csname r@#1\endcsname
                                                                                                 287 }
                                      \NR@@setref
                                                                                                 288 \def\NR@@setref#1{%
```

289 \ifx\@undefined#1%  $\left| \right| 1 = 1$ 

290

291

293 }

\fi

292 \@setref#1%

272 \providecommand\*{\@currentlabelname}{}

```
\T@ref
           294 \def\T@ref#1{%
           295 \NR@setref{#1}\@firstoffive{#1}%
           296 }%
\T@pageref
           297 \def\T@pageref#1{%
                \NR@setref{#1}\@secondoffive{#1}%
           299 }%
           300 \ifNR@showkeys
                \ifx\SK@ref\@empty
                \else
    \T@ref
           303
                   \def\T@ref#1{%
           304
                     \@safe@activestrue
           305
                     \SK@\SK@@ref{#1}%
                     \@safe@activesfalse
           306
                     \NR@setref{#1}\@firstoffive{#1}%
           307
           308
                  }%
\T@pageref
           309
                   \def\T@pageref#1{%
                     \@safe@activestrue
           310
                     \SK@\SK@@ref{#1}%
           311
                     \@safe@activesfalse
           312
                     \NR@setref{#1}\@secondoffive{#1}%
           313
           314
                  }%
               \fi
           315
           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. Pack-
           age nameref can be loaded before, after hyperref or after hyperref's definitions in
           \AtBeginDocument.
           317 \@ifpackageloaded{hyperref}{%
           318 }{%
      \ref
                \DeclareRobustCommand{\ref}{\T@ref}%
           319
  \pageref
                \DeclareRobustCommand{\pageref}{\T@pageref}%
           320
           321 }
```

## 3.4 Usage and frontend

Access the (third) name part with \nameref;

```
\T@nameref
                322 \left( T@nameref#1{\%} \right)
                323
                     \begingroup
                324
                       \let\label\@gobble
                       \NR@setref{#1}\@thirdoffive{#1}%
                326
                     \endgroup
                327 }%
                328 \ifNR@showkeys
                     \ifx\SK@ref\@empty
                329
                330
                     \else
                       \def\T@nameref#1{%
                331
                332
                         \@safe@activestrue
                         \SK@\SK@@ref{#1}%
                333
                         \@safe@activesfalse
                334
                         \begingroup
                335
                            \let\label\@gobble
                336
                337
                            \NR@setref{#1}\@thirdoffive{#1}%
                         \endgroup
                       }%
                339
                340
                     \fi
                341 \fi
                342 %\@ifclassloaded{memoir}{%
                343 % \ltx@IfUndefined{@mem@titlerefnolink}\ltx@secondoftwo{%
                        \ltx@IfUndefined{@mem@titleref}\ltx@secondoftwo\ltx@firstoftwo
                344 %
                345 % }%
                346 %}\ltx@secondoftwo
                347 %{%
                348 % \DeclareRobustCommand*{\nameref}{%
                        \@ifstar\@mem@titlerefnolink\@mem@titleref
                349 %
                350 % }%
                351 %}{%
      \nameref
                     \DeclareRobustCommand*{\nameref}{%
                       \@ifstar\T@nameref\T@nameref
                354
                    }%
                355 %}
      \Nameref An extended form which gives title and page number.
                356 \ensuremath{\mbox{\mbox{Mameref#1}'}} on page~\pageref{#1}}
\Sectionformat The default for \Sectionformat
                357 \providecommand\Sectionformat[2]{#1}
```

## 3.5 Package ifthen support

Package ifthen'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 \@ifpackageloaded{ifthen}{%
     \let\NROrg@ifthenelse\ifthenelse
359
     \def\ifthenelse{%
360
       \let\begingroup\NR@TE@begingroup
361
       \NROrg@ifthenelse
362
363
     }%
     \let\NROrg@begingroup\begingroup
364
     \def\NR@TE@begingroup{%
365
       \let\begingroup\NROrg@begingroup
366
367
       \begingroup
       \def\ref##1{\getrefbykeydefault{##1}{}{??}}%
368
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] Changed in 2019-09-12 by Frank Mittelbach to adapt to changes in varioref

```
372 \AtBeginDocument{%
     \ifx\csname @@vpageref\endcsname\relax
374
     \else
375 %FMi
Test if we are using the new varioref ...
376
      \ifdefined\vp@gerefstar
      \let\NR@@vpageref\@@vpageref
377
if not then old patching code
      \else
378
         \def\NR@@vpageref#1[#2]#3{%
379
           \leavevmode\unskip
380
           \global\advance\c@vrcnt\@ne
381
           \@ifundefined{r@\the\c@vrcnt @vr}%
382
             {\ensuremath{\covrcnt\covr}{\??}{\??}{\}}}}}
383
           \edef\@tempa{%
384
             \expandafter\expandafter\expandafter
385
             \@secondoffive\csname r@\the\c@vrcnt @vr\endcsname
386
           }%
387
           \@ifundefined{r@\the\c@vrcnt @xvr}%
388
389
             \end{r@\theta} {\end{r@\theta}^{??}{??}{}}}}}
390
           \edef\@tempb{%
```

```
391
             \expandafter\expandafter\expandafter
             \@secondoffive\csname r@\the\c@vrcnt @xvr\endcsname
392
           }%
393
           {%
394
             \let\@currentlabel\@empty
395
396
             \expandafter\label\expandafter{\the\c@vrcnt @xvr}%
397
           \ifx\@tempa\@tempb
398
           \else
399
             \vref@err{%
400
               \noexpand\vref at page boundary %
401
               \@tempb-\@tempa\space (may loop)%
402
            }%
403
404
           405
           \edef\thevpagerefnum{%
406
             \expandafter\expandafter\expandafter
407
             \@secondoffive\csname r@#3\endcsname
408
409
           }%
410
           \ifx\vref@space\@undefined
411
             \space
           \else
412
             \vref@space
413
           \fi
414
           \ifx\@tempa\thevpagerefnum
415
416
            #1%
           \else
417
            #2%
418
             419
               \is@pos@number\@tempa{%
420
                 \@tempcnta\@tempa
421
422
                 \advance\@tempcnta\@ne
423
               }{%
                 \@tempcnta\maxdimen
424
               }%
425
               \ifnum \thevpagerefnum =\@tempcnta
426
                 \ifodd\@tempcnta
427
                   \if@twoside
428
429
                     \reftextfaceafter
                   \else
430
431
                     \reftextafter
                   \fi
432
                 \else
433
                   \reftextafter
434
435
                 \fi
436
               \else
437
                 \advance\@tempcnta-2 %
                 \ifnum \thevpagerefnum =\@tempcnta
438
                   \ifodd\@tempcnta
439
                     \reftextbefore
440
```

```
441
                    \else
                       \if@twoside
442
                         \reftextfacebefore
443
                       \else
444
                         \reftextbefore
445
446
                       \fi
                    \fi
447
                  \else
448
                    \reftextfaraway{#3}%
449
                  \fi
450
                \fi
451
              }{%
452
453
                \reftextfaraway{#3}%
              }%
454
            \fi
455
            {%
456
              \let\@currentlabel\@empty
457
              \expandafter\label\expandafter{\the\c@vrcnt @vr}%
458
            }%
459
460
         }%
       \fi
461
462 \, \%FM - end mod
       \def\@@vpageref#1[#2]#3{%
463
          \begingroup
464
            \csname @safe@activestrue\endcsname
465
            \left( x{\#3}\right)
466
467
            \@onelevel@sanitize\x
            \toks@{%
468
              \NR@@vpageref{#1}[{#2}]%
469
            }%
470
            \edef\x{\endgroup
471
472
              473
           }%
474
         \x
475
       }%
       \DeclareRobustCommand\vnameref[1]{%
476
          \unskip~\nameref{#1}%
477
          \@vpageref[\unskip]{#1}%
478
479
       }%
480
     \fi
481 }
482 \@ifundefined{@Refstar}{%
     \def\T@Ref#1{%
483
       \NR@setref{#1}\NR@MakeUppercaseFirstOfFive{#1}%
484
485
     }%
     \def\NR@MakeUppercaseFirstOfFive#1#2#3#4#5{%
486
487
       \MakeUppercase#1%
488
     }%
489 }{}%
```

```
490 \AtBeginDocument{%
     \@ifpackageloaded{varioref}{%
491
       \@ifundefined{@Refstar}{%
492
          \DeclareRobustCommand*{\Ref}[1]{%
493
            \T@Ref{#1}%
494
495
         }%
496
       }{}%
497
     }{}%
498 }%
```

## 3.7 Support for package listings

```
499 \AtBeginDocument{%
     \@ifpackageloaded{listings}{%
500
       \let\NROrg@lst@MakeCaption\lst@MakeCaption
501
       \def\lst@MakeCaption{%
502
503
          \ifx\lst@label\@empty
504
          \else
            \let\@currentlabelname\lst@@caption
505
         \fi
506
          \NROrg@lst@MakeCaption
507
       }%
508
     }{}%
509
510 }
511 (/package)
```

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