Configuration file for **refstyle** package*

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Contents

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*This file has version number v0.6b, last revised 2024/02/01.

1 The **refstyle** configuration file

Reference templates

The default configuration file, `refstyle.cfg`, makes the following reference declarations:

`\newref{part}{...}`	→ Parts
`\newref{chap}{...}`	→ Chapters and Appendices
`\newref{sec}{...}`	→ Sections
`\newref{eq}{...}`	→ Equations
`\newref{fig}{...}`	→ Figures
`\newref{tab}{...}`	→ Tables
`\newref{fn}{...}`	→ Footnotes

If there is a need for more reference types, this standard list can be expanded.

Language definitions

The refstyle package also provides the following language definitions options for references, when loaded together with babel:

- afrikaans

- danish

- english, USenglish, american, canadian, UKenglish, british

- french

- german, ngerman, austrian, naustrian

- italian

- norwegian, nynorsk, norsk, bokmal[1]

- portuges, portuguese, brazilian, brazil

- swedish

See section §2.3.8 on page 17 for an example of how to link your own definitions to an exsiting language setup.

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[1] Norwegian Bokmål is not defined in babel yet.

2 Implementation

1 ⟨*cfg⟩

2.1 Identification

```
2 \ProvidesFile{refstyle.cfg}[2024/02/01\space
3                             v0.6b\space
4                             Configuration file for refstyle (DNJ Els)]
```

2.2 Language Definitions for **refstyle** Package

2.2.1 English

\RSenglish Support provided by the author.
\RSukenglish

```
5 %%-- ENGLISH --------------------------------------

6 \newcommand\RSukenglish{%
7     \def\RSrngtxt{\space to~}%........... Range:     figures 5 to 6
8     \def\RSlsttwotxt{\space and~}%....... List two:  figures 5 and 6
9     \def\RSlsttxt{, and~}%.............. List more: figures 5, 6, and 7
10    \def\RSparttxt{Part~}%.............. Part     lowercase singular
11    \def\RSpartstxt{Parts~}%............         lowercase plural
12    \def\RSParttxt{Part~}%..............         uppercase singular (sentence start)
13    \def\RSPartstxt{Parts~}%............         uppercase plural   (sentence start)
14    \def\RSappendixname{appendix~}%...... Appendix lowercase singular
15    \def\RSappendicesname{appendices~}%..         lowercase plural
16    \def\RSAppendixname{Appendix~}%......         uppercase singular (sentence start)
17    \def\RSAppendicesname{Appendices~}%..         uppercase plural   (sentence start)
18    \def\RSchaptername{chapter~}%........ Chapter  lowercase singular
19    \def\RSchaptersname{chapters~}%......         lowercase plural
20    \def\RSChaptername{Chapter~}%........         uppercase singular (sentence start)
21    \def\RSChaptersname{Chapters~}%......         uppercase plural   (sentence start)
22    \def\RSsectxt{section~}%............. Section  lowercase singular
23    \def\RSsecstxt{sections~}%...........         lowercase plural
24    \def\RSSectxt{Section~}%.............         uppercase singular (sentence start)
25    \def\RSSecstxt{Sections~}%...........         uppercase plural   (sentence start)
26    \def\RSeqtxt{equation~}%............. Equation lowercase singular
27    \def\RSeqstxt{equations~}%...........         lowercase plural
28    \def\RSEqtxt{Equation~}%.............         uppercase singular (sentence start)
29    \def\RSEqstxt{Equations~}%...........         uppercase plural   (sentence start)
30    \def\RSfigtxt{figure~}%............. Figure   lowercase singular
31    \def\RSfigstxt{figures~}%...........         lowercase plural
32    \def\RSFigtxt{Figure~}%.............         uppercase singular (sentence start)
33    \def\RSFigstxt{Figures~}%...........         uppercase plural   (sentence start)
34    \def\RStabtxt{table~}%.............. Table    lowercase singular
35    \def\RStabstxt{tables~}%.............         lowercase plural
36    \def\RSTabtxt{Table~}%..............         uppercase singular (sentence start)
37    \def\RSTabstxt{Tables~}%............         uppercase plural   (sentence start)
38    \def\RSfootntxt{footnote~}%......... Footnote lowercase singular
39    \def\RSfootnstxt{footnotes~}%.......         lowercase plural
40    \def\RSFootntxt{Footnote~}%.........         uppercase singular (sentence start)
41    \def\RSFootnstxt{Footnotes~}%........         uppercase plural   (sentence start)
```

```
42 }
43 \newcommand\RSenglish{%
44     \def\RSrngtxt{\space to~}%
45     \def\RSlsttwotxt{\space and~}%
46     \def\RSlsttxt{\space and~}%
47     \def\RSparttxt{Part~}%
48     \def\RSpartstxt{Parts~}%
49     \def\RSParttxt{Part~}%
50     \def\RSPartstxt{Parts~}%
51     \def\RSappendixname{appendix~}%
52     \def\RSappendicesname{appendices~}%
53     \def\RSAppendixname{Appendix~}%
54     \def\RSAppendicesname{Appendices~}%
55     \def\RSchaptername{chapter~}%
56     \def\RSchaptersname{chapters~}%
57     \def\RSChaptername{Chapter~}%
58     \def\RSChaptersname{Chapters~}%
59     \def\RSsectxt{section~}%
60     \def\RSsecstxt{sections~}%
61     \def\RSSectxt{Section~}%
62     \def\RSSecstxt{Sections~}%
63     \def\RSeqtxt{equation~}%
64     \def\RSeqstxt{equations~}%
65     \def\RSEqtxt{Equation~}%
66     \def\RSEqstxt{Equations~}%
67     \def\RSfigtxt{figure~}%
68     \def\RSfigstxt{figures~}%
69     \def\RSFigtxt{Figure~}%
70     \def\RSFigstxt{Figures~}%
71     \def\RStabtxt{table~}%
72     \def\RStabstxt{tables~}%
73     \def\RSTabtxt{Table~}%
74     \def\RSTabstxt{Tables~}%
75     \def\RSfootntxt{footnote~}%
76     \def\RSfootnstxt{footnotes~}%
77     \def\RSFootntxt{Footnote~}%
78     \def\RSFootnstxt{Footnotes~}%
79 }
```

Make English the default.

```
80 \RSenglish% Default
```

Options

```
81 \DeclareLangOpt{english}{\RSenglish}
82 \DeclareLangOpt{USenglish}{\RSenglish}
83 \DeclareLangOpt{american}{\RSenglish}
84 \DeclareLangOpt{canadian}{\RSenglish}
85 \DeclareLangOpt{UKenglish}{\RSukenglish}
86 \DeclareLangOpt{british}{\RSukenglish}
```

2.2.2 Afrikaans

\RSafrikaans Support provided by the author.

```
87 %%-- AFRIKAANS --------------------------------
88 \newcommand\RSafrikaans{%
89     \def\RSrngtxt{\space tot~}%
90     \def\RSlsttwotxt{\space en~}%
91     \def\RSlsttxt{\space en~}%
92     \def\RSparttxt{Deel~}%
93     \def\RSpartstxt{Dele~}%
94     \def\RSParttxt{Deel~}%
95     \def\RSPartstxt{Dele~}%
96     \def\RSappendixname{bylae~}%
97     \def\RSappendicesname{bylaes~}%
98     \def\RSAppendixname{Bylae~}%
99     \def\RSAppendicesname{Bylaes~}%
100    \def\RSchaptername{hoofstuk~}%
101    \def\RSchaptersname{hoofstukke~}%
102    \def\RSChaptername{Hoofstuk~}%
103    \def\RSChaptersname{Hoofstukke~}%
104    \def\RSsectxt{afdeling~}%
105    \def\RSsecstxt{afdelings~}%
106    \def\RSSectxt{Afdeling~}%
107    \def\RSSecstxt{Afdelings~}%
108    \def\RSeqtxt{vergelyking~}%
109    \def\RSeqstxt{vergelykings~}%
110    \def\RSEqtxt{Vergelyking~}%
111    \def\RSEqstxt{Vergelyking~}%
112    \def\RSfigtxt{figuur~}%
113    \def\RSfigstxt{figure~}%
114    \def\RSFigtxt{Figuur~}%
115    \def\RSFigstxt{Figure~}%
116    \def\RStabtxt{tabel~}%
117    \def\RStabstxt{tabelle~}%
118    \def\RSTabtxt{Tabel~}%
119    \def\RSTabstxt{Tabelle~}%
120    \def\RSfootntxt{footnota~}%
121    \def\RSfootnstxt{footnotas~}%
122    \def\RSFootntxt{Footnota~}%
123    \def\RSFootnstxt{Footnotas~}%
124 }
```

Options

```
125 \DeclareLangOpt{afrikaans}{\RSafrikaans}
```

2.2.3 Danish

\RSdanish Thomas Widmann: < thomas.widmann AT harpercollins DOT co DOT uk> provided the definitions for Danish.

```
126 %%-- DANISH -----------------------------------
127 \newcommand\RSdanish{%
128     \def\RSrngtxt{\space til~}%
129     \def\RSlsttwotxt{\space og~}%
130     \def\RSlsttxt{\space og~}%
131     \def\RSparttxt{del~}%
132     \def\RSpartstxt{del~}%
133     \def\RSParttxt{Del~}%
134     \def\RSPartstxt{Del~}%
135     \def\RSappendixname{bilag~}%      % 'appendiks' is also possible,
136     \def\RSappendicesname{bilag~}%    % but 'bilag' is used in Babel
137     \def\RSAppendixname{Bilag~}%
138     \def\RSAppendicesname{Bilag~}%
139     \def\RSchaptername{kapitel~}%
140     \def\RSchaptersname{kapitel~}%
141     \def\RSChaptername{Kapitel~}%
142     \def\RSChaptersname{Kapitel~}%
143     \def\RSsectxt{afsnit~}%
144     \def\RSsecstxt{afsnit~}%
145     \def\RSSectxt{Afsnit~}%
146     \def\RSSecstxt{Afsnit~}%
147     \def\RSeqtxt{ligning~}%
148     \def\RSeqstxt{ligning~}%
149     \def\RSEqtxt{Ligning~}%
150     \def\RSEqstxt{Ligning~}%
151     \def\RSfigtxt{figur~}%
152     \def\RSfigstxt{figur~}%
153     \def\RSFigtxt{Figur~}%
154     \def\RSFigstxt{Figur~}%
155     \def\RStabtxt{tabel~}%
156     \def\RStabstxt{tabel~}%
157     \def\RSTabtxt{Tabel~}%
158     \def\RSTabstxt{Tabel~}%
159     \def\RSfootntxt{fodnote~}%
160     \def\RSfootnstxt{fodnote~}%
161     \def\RSFootntxt{Fodnote~}%
162     \def\RSFootnstxt{Fodnote~}%
163 }
```

Options

```
164 \DeclareLangOpt{danish}{\RSdanish}
```

2.2.4   French

\RSfrench Jean-Pierre Chrétien < jeanpierre.chretien AT free DOT fr> provided the definitions for French.

```
165 %%-- FRENCH -----------------------------------
```

```
166 \newcommand\RSfrench{%
167     \def\RSrngtxt{\space \'{a}~}%
168     \def\RSlsttwotxt{\space et~}%
169     \def\RSlsttxt{\space et~}%
170     \def\RSparttxt{partie~}%
171     \def\RSpartstxt{parties~}%
172     \def\RSParttxt{La partie~}%
173     \def\RSPartstxt{Les parties~}%
174     \def\RSappendixname{appendice~}%
175     \def\RSappendicesname{appendices~}%
176     \def\RSAppendixname{L'appendice~}%
177     \def\RSAppendicesname{Les appendices~}%
178     \def\RSchaptername{chapitre~}%
179     \def\RSchaptersname{chapitres~}%
180     \def\RSChaptername{Le chapitre~}%
181     \def\RSChaptersname{Les chapitres~}%
182     \def\RSsectxt{section~}%
183     \def\RSsecstxt{sections~}%
184     \def\RSSectxt{La section~}%
185     \def\RSSecstxt{Les sections~}%
186     \def\RSeqtxt{\'{e}quation~}%
187     \def\RSeqstxt{\'{e}quations~}%
188     \def\RSEqtxt{L'\'{e}quation~}%
189     \def\RSEqstxt{Les \'{e}quations~}%
190     \def\RSfigtxt{figure~}%
191     \def\RSfigstxt{figures~}%
192     \def\RSFigtxt{La figure~}%
193     \def\RSFigstxt{Les figures~}%
194     \def\RStabtxt{tableau~}%
195     \def\RStabstxt{tableaux~}%
196     \def\RSTabtxt{Le tableau~}%
197     \def\RSTabstxt{Les tableaux~}%
198     \def\RSfootntxt{note~}%
199     \def\RSfootnstxt{notes~}%
200     \def\RSFootntxt{La note~}%
201     \def\RSFootnstxt{Les notes~}%
202 }
```

Options

```
203 \DeclareLangOpt{french}{\RSfrench}
```

2.2.5   German

\RSgerman Harald Harders: < h.harders AT tu-bs DOT de> provided the definitions for
German.

```
204 %%-- GERMAN ----------------------------------
205 \newcommand\RSgerman{%
206     \def\RSrngtxt{\space bis~}%
207     \def\RSlsttwotxt{\space und~}%
```

```
208     \def\RSlsttxt{\space und~}%
209     \def\RSparttxt{Teil~}%
210     \def\RSpartstxt{Teile~}%
211     \def\RSParttxt{Teil~}%
212     \def\RSPartstxt{Teile~}%
213     \def\RSappendixname{Anhang~}%
214     \def\RSappendicesname{Anh\"{a}nge~}%
215     \def\RSAppendixname{Anhang~}%
216     \def\RSAppendicesname{Anh\"{a}nge~}%
217     \def\RSchaptername{Kapitel~}%
218     \def\RSchaptersname{Kapitel~}%
219     \def\RSChaptername{Kapitel~}%
220     \def\RSChaptersname{Kapitel~}%
221     \def\RSsectxt{Abschnitt~}%
222     \def\RSsecstxt{Abschnitt~}%
223     \def\RSSectxt{Abschnitt~}%
224     \def\RSSecstxt{Abschnitt~}%
225     \def\RSeqtxt{Gleichung~}%
226     \def\RSeqstxt{Gleichungen~}%
227     \def\RSEqtxt{Gleichung~}%
228     \def\RSEqstxt{Gleichungen~}%
229     \def\RSfigtxt{Abbildung~}%
230     \def\RSfigstxt{Abbildung~}%
231     \def\RSFigtxt{Abbildung~}%
232     \def\RSFigstxt{Abbildung~}%
233     \def\RStabtxt{Tabelle~}%
234     \def\RStabstxt{Tabellen~}%
235     \def\RSTabtxt{Tabelle~}%
236     \def\RSTabstxt{Tabellen~}%
237     \def\RSfootntxt{Fu\ss note~}%
238     \def\RSfootnstxt{Fu\ss noten~}%
239     \def\RSFootntxt{Fu\ss note~}%
240     \def\RSFootnstxt{Fu\ss noten~}%
241 }
```

Options

```
242 \DeclareLangOpt{german}{\RSgerman}
243 \DeclareLangOpt{ngerman}{\RSgerman}
244 \DeclareLangOpt{austrian}{\RSgerman}
245 \DeclareLangOpt{naustrian}{\RSgerman}
```

2.2.6   Italian

\RSitalian   Nicola Lunghi: < nick83ola AT gmail DOT com> provided the definitions for Italian.

```
246 %%-- ITALIAN --------------------------------
247 \newcommand\RSitalian{%
248     \def\RSrngtxt{--}%
249     \def\RSlsttwotxt{\space e~}%
```

```
250    \def\RSlsttxt{\space e~}%
251    \def\RSparttxt{Parte~}%
252    \def\RSpartstxt{Parti~}%
253    \def\RSParttxt{Parte~}%
254    \def\RSPartstxt{Parti~}%
255    \def\RSappendixname{l'appendice~}%
256    \def\RSappendicesname{le appendici~}%
257    \def\RSAppendixname{l'Appendice~}%
258    \def\RSAppendicesname{le Appendici~}%
259    \def\RSchaptername{il capitolo~}%
260    \def\RSchaptersname{i capitoli~}%
261    \def\RSChaptername{il Capitolo~}%
262    \def\RSChaptersname{i Capitoli~}%
263    \def\RSsectxt{la sezione~}%
264    \def\RSsecstxt{le sezioni~}%
265    \def\RSSectxt{la Sezione~}%
266    \def\RSSecstxt{la Sezioni~}%
267    \def\RSeqtxt{l'equazione~}%
268    \def\RSeqstxt{le equazioni~}%
269    \def\RSEqtxt{l'Equazione~}%
270    \def\RSEqstxt{le Equazioni~}%
271    \def\RSfigtxt{la figura~}%
272    \def\RSfigstxt{le figure~}%
273    \def\RSFigtxt{la Figura~}%
274    \def\RSFigstxt{le Figure~}%
275    \def\RStabtxt{la tabella~}%
276    \def\RStabstxt{le tabelle~}%
277    \def\RSTabtxt{la Tabella~}%
278    \def\RSTabstxt{le Tabelle~}%
279    \def\RSfootntxt{la nota~}%
280    \def\RSfootnstxt{le note~}%
281    \def\RSFootntxt{la Nota~}%
282    \def\RSFootnstxt{le Note~}%
283 }
```

Options

```
284 \DeclareLangOpt{italian}{\RSitalian}
```

2.2.7   Norwegian

\RSnorwegian Karl Ove Hufthammer: `< karloh AT mi DOT uib DOT no>` provided the definitions for Norwegian.

Norway has two official languages Norwegian Nynorsk and Norwegian Bokmål (commonly 'nynorsk' and 'norsk' in LaTeX), but the refstyle definitions are identically in both variants.

```
285 %%-- NORWEGIAN ----------------------------------

286 \newcommand\RSnorwegian{%
287    \def\RSrngtxt{\space til~}%
```

```
288    \def\RSlsttwotxt{\space og~}%
289    \def\RSlsttxt{\space og~}%
290    \def\RSparttxt{del~}%
291    \def\RSpartstxt{del~}%
292    \def\RSParttxt{Del~}%
293    \def\RSPartstxt{Del~}%
294    \def\RSappendixname{tillegg~}%
295    \def\RSappendicesname{tillegg~}%
296    \def\RSAppendixname{Tillegg~}%
297    \def\RSAppendicesname{Tillegg~}%
298    \def\RSchaptername{kapittel~}%
299    \def\RSchaptersname{kapittel~}%
300    \def\RSChaptername{Kapittel~}%
301    \def\RSChaptersname{Kapittel~}%
302    \def\RSsectxt{avsnitt~}%
303    \def\RSsecstxt{avsnitt~}%
304    \def\RSSectxt{Avsnitt~}%
305    \def\RSSecstxt{Avsnitt~}%
306    \def\RSeqtxt{formel~}%
307    \def\RSeqstxt{formel~}%
308    \def\RSEqtxt{Formel~}%
309    \def\RSEqstxt{Formel~}%
310    \def\RSfigtxt{figur~}%
311    \def\RSfigstxt{figur~}%
312    \def\RSFigtxt{Figur~}%
313    \def\RSFigstxt{Figur~}%
314    \def\RStabtxt{tabell~}%
315    \def\RStabstxt{tabell~}%
316    \def\RSTabtxt{Tabell~}%
317    \def\RSTabstxt{Tabell~}%
318    \def\RSfootntxt{fotnote~}%
319    \def\RSfootnstxt{fotnote~}%
320    \def\RSFootntxt{Fotnote~}%
321    \def\RSFootnstxt{Fotnote~}%
322 }
```

Options

```
323 \DeclareLangOpt{norwegian}{\RSnorwegian}
324 \DeclareLangOpt{nynorsk}{\RSnorwegian}
325 \DeclareLangOpt{bokmal}{\RSnorwegian}% Not in babel yet
326 \DeclareLangOpt{norsk}{\RSnorwegian}
```

2.2.8 Portuguese/Brazilian

\RSportuguese   Bernhard Enders and Flavio Costa < flaviocosta AT yahoo DOT com DOT br>
 \RSbrazilian   provided the definitions for Portuguese.

```
327 %%-- PORTUGUESE --------------------------------
328 \newcommand\RSportuguese{%
329    \def\RSrngtxt{\space a~}%
```

```latex
330     \def\RSlsttwotxt{\space e~}%
331     \def\RSlsttxt{\space e~}%
332     \def\RSparttxt{Parte~}%
333     \def\RSpartstxt{Partes~}%
334     \def\RSParttxt{Parte~}%
335     \def\RSPartstxt{Partes~}%
336     \def\RSappendixname{ap\^{e}ndice~}%
337     \def\RSappendicesname{ap\^{e}ndices~}%
338     \def\RSAppendixname{Ap\^{e}ndice~}%
339     \def\RSAppendicesname{Ap\^{e}ndices~}%
340     \def\RSchaptername{cap\'{i}tulo~}%
341     \def\RSchaptersname{cap\'{i}tulos~}%
342     \def\RSChaptername{Cap\'{i}tulo~}%
343     \def\RSChaptersname{Cap\'{i}tulos~}%
344     \def\RSsectxt{se\c{c}\~{a}o~}%
345     \def\RSsecstxt{se\c{c}\~{o}es~}%
346     \def\RSSectxt{Se\c{c}\~{a}o~}%
347     \def\RSSecstxt{Se\c{c}\~{o}es~}%
348     \def\RSeqtxt{equa\c{c}\~{a}o~}%
349     \def\RSeqstxt{equa\c{c}\~{o}es~}%
350     \def\RSEqtxt{Equa\c{c}\~{a}o~}%
351     \def\RSEqstxt{Equa\c{c}\~{o}es~}%
352     \def\RSfigtxt{figura~}%
353     \def\RSfigstxt{figuras~}%
354     \def\RSFigtxt{Figura~}%
355     \def\RSFigstxt{Figuras~}%
356     \def\RStabtxt{tabela~}%
357     \def\RStabstxt{tabelas~}%
358     \def\RSTabtxt{Tabela~}%
359     \def\RSTabstxt{Tabelas~}%
360     \def\RSfootntxt{nota de rodap\'{e}~}%
361     \def\RSfootnstxt{notas de rodap\'{e}~}%
362     \def\RSFootntxt{Nota de rodap\'{e}~}%
363     \def\RSFootnstxt{Notas de rodap\'{e}~}%
364 }

365 \newcommand\RSbrazilian{%
366     \def\RSrngtxt{\space a~}%
367     \def\RSlsttwotxt{\space e~}%
368     \def\RSlsttxt{\space e~}%
369     \def\RSparttxt{Parte~}%
370     \def\RSpartstxt{Partes~}%
371     \def\RSParttxt{Parte~}%
372     \def\RSPartstxt{Partes~}%
373     \def\RSappendixname{ap\^{e}ndice~}%
374     \def\RSappendicesname{ap\^{e}ndices~}%
375     \def\RSAppendixname{Ap\^{e}ndice~}%
376     \def\RSAppendicesname{Ap\^{e}ndices~}%
377     \def\RSchaptername{cap\'{i}tulo~}%
378     \def\RSchaptersname{cap\'{i}tulos~}%
379     \def\RSChaptername{Cap\'{i}tulo~}%
380     \def\RSChaptersname{Cap\'{i}tulos~}%
381     \def\RSsectxt{sec\c{c}\~{a}o~}%<---------------
382     \def\RSsecstxt{sec\c{c}\~{o}es~}%<-------------
```

```
383    \def\RSSectxt{Sec\c{c}\~{a}o~}%<--------------
384    \def\RSSecstxt{Sec\c{c}\~{o}es~}%<------------
385    \def\RSeqtxt{equa\c{c}\~{a}o~}%
386    \def\RSeqstxt{equa\c{c}\~{o}es~}%
387    \def\RSEqtxt{Equa\c{c}\~{a}o~}%
388    \def\RSEqstxt{Equa\c{c}\~{o}es~}%
389    \def\RSfigtxt{figura~}%
390    \def\RSfigstxt{figuras~}%
391    \def\RSFigtxt{Figura~}%
392    \def\RSFigstxt{Figuras~}%
393    \def\RStabtxt{tabela~}%
394    \def\RStabstxt{tabelas~}%
395    \def\RSTabtxt{Tabela~}%
396    \def\RSTabstxt{Tabelas~}%
397    \def\RSfootntxt{nota de rodap\'{e}~}%
398    \def\RSfootnstxt{notas de rodap\'{e}~}%
399    \def\RSFootntxt{Nota de rodap\'{e}~}%
400    \def\RSFootnstxt{Notas de rodap\'{e}~}%
401 }
```

Options

```
402 \DeclareLangOpt{portuges}{\RSportuguese}
403 \DeclareLangOpt{portuguese}{\RSportuguese}
404 \DeclareLangOpt{brazilian}{\RSbrazilian}
405 \DeclareLangOpt{brazil}{\RSbrazilian}
```

2.2.9   Swedish

\RSswedish Björn Thors < bjorn.thors AT alfvenlab DOT kth DOT se> provided the definitions for Swedish.

```
406 %%-- SWEDISH ----------------------------------
407 \newcommand\RSswedish{%
408    \def\RSrngtxt{\space till~}%
409    \def\RSlsttwotxt{\space och~}%
410    \def\RSlsttxt{\space och~}%
411    \def\RSparttxt{del~}%
412    \def\RSpartstxt{del~}%
413    \def\RSParttxt{Del~}%
414    \def\RSPartstxt{Del~}%
415    \def\RSappendixname{appendix~}%
416    \def\RSappendicesname{appendix~}%
417    \def\RSAppendixname{Appendix~}%
418    \def\RSAppendicesname{Appendix~}%
419    \def\RSchaptername{kapitel~}%
420    \def\RSchaptersname{kapitel~}%
421    \def\RSChaptername{Kapitel~}%
422    \def\RSChaptersname{Kapitel~}%
423    \def\RSsectxt{sektion~}%
424    \def\RSsecstxt{sektion~}%
```

```
425     \def\RSSectxt{Sektion~}%
426     \def\RSSecstxt{Sektion~}%
427     \def\RSeqtxt{ekvation~}%
428     \def\RSeqstxt{ekvation~}%
429     \def\RSEqtxt{Ekvation~}%
430     \def\RSEqstxt{Ekvation~}%
431     \def\RSfigtxt{figur~}%
432     \def\RSfigstxt{figur~}%
433     \def\RSFigtxt{Figur~}%
434     \def\RSFigstxt{Figur~}%
435     \def\RStabtxt{tabell~}%
436     \def\RStabstxt{tabell~}%
437     \def\RSTabtxt{Tabell~}%
438     \def\RSTabstxt{Tabell~}%
439     \def\RSfootntxt{fotnot~}%
440     \def\RSfootnstxt{fotnot~}%
441     \def\RSFootntxt{Fotnot~}%
442     \def\RSFootnstxt{Fotnot~}%
443 }
```

Options

```
444 \DeclareLangOpt{swedish}{\RSswedish}
```

2.3   Templates for the **refstyle** Package

The user can also define his or her own templates and put it in a separate config-
uration file to ensure uniformity of reference formats in your documents.

2.3.1   Parts

References to parts are usually straight forward, except that the document division
"Part" must be distinguished from the normal usage of the word "part" in a
sentence. A personal preference is to use small caps.

```
445 %%-- TEMPLATE FOR PARTS ------------------------

446     \newref{part}{%
447        name    = \RSparttxt,
448        names   = \RSpartstxt,
449        Name    = \RSPparttxt,
450        Names   = \RSPartstxt,
451        rngtxt  = \RSrngtxt,
452        lsttxt  = \RSlsttxt}
```

2.3.2   Chapters and Appendices

A major problem with a reference to a chapter is that at the time when the
reference label, \label{⟨chap-label⟩}, is created, it is unknown whether it would
eventually ends up in the main matter or the appendix part of a book or report.

A simple solution is to use the prefix to the ⟨*chapter*⟩ counter, `\p@chapter`, to write the definition of `\@chapapp` to the auxiliary file (`.aux`) together with information of the label. The command `\@chapapp` expands to either `\chaptername` or `\appendixname` depending on whether the reference label is defined in the main matter or after the `\appendix` was called. (Note that `\@chapapp` is not defined in the AMS book class.)

```
\renewcommand*{\p@chapter}{\string\chname{\@chapapp}}
\newcommand*{\chname}[1]{}%<-make it harmless
\newcommand*{\chapref}[1]{{\renewcommand*{\chname}[1]{##1~}\ref{#1}}}
```

The reference to a chapter, `\chapref{`⟨*chap-label*⟩`}`, will then be prefixed with `\chaptername` or `\appendixname` and it does not matter where it was defined or where it was called.

To utilize the full functionality of the refstyle package for references to chapters and appendices, a complex form of `\newref` needs to be implemented. The following is a template for a book or report classes.

```
453 %%-- TEMPLATE FOR CHAPTERS & APPENDIXES ---------
```

Prevent crashes for non-book type classes.

```
454 \providecommand*{\p@chapter}{}
```

Add `\@chapapp` to `\p@chapter` for writeout to auxiliary file. If an AMS book class is loaded, then `\chaptername` must be used.

```
455 \AtBeginDocument{%
456   \RS@ifundefined{chapter}{}{%
457     \RS@ifundefined{@chapapp}%
458       {\renewcommand*{\p@chapter}{\string\chpname{\chaptername}}}%AMS
459       {\renewcommand*{\p@chapter}{\string\chpname{\@chapapp}}}%   Normal
460   }%
461 }
```

Define `\chpname` to gobble its contents outside the reference commands.

```
462 \newcommand*{\chpname}[1]{}
```

Define the `\RSchpname` to typeset all the different perturbations of chapter and appendix names. Use the conditionals to switch between the different options.

```
463 \newcommand*{\RS@chpname}[1]{%
464   \ifRSnameon
465     \edef\RS@tmpa{#1}%
466     \edef\RS@tmpb{\appendixname}%
467     \ifx\RS@tmpa\RS@tmpb\relax%
468       \ifRSplural
469         \ifRScapname \RSAppendicesname \else \RSappendicesname \fi
470       \else
471         \ifRScapname \RSAppendixname   \else \RSappendixname   \fi
472       \fi
473     \else
474       \ifRSplural
475         \ifRScapname \RSChaptersname   \else \RSchaptersname   \fi
476       \else
477         \ifRScapname \RSChaptername    \else \RSchaptername    \fi
478       \fi
```

```
479        \fi
480    \fi}
```

Define the `\newref` for chapters.

```
481    \newref{chap}{%
482        refcmd    = {{\let\chpname=\RS@chpname\ref{#1}}},
483        rngtxt    = \RSrngtxt,
484        lsttwotxt = \RSlsttwotxt,
485        lsttxt    = \RSlsttxt}
```

2.3.3 Sections and paragraphs

A template for references to sections is given below. References to paragraphs are
similar and is left as an exercise to the users.

```
486 %%-- TEMPLATE FOR SECTIONS ---------------------
487    \newref{sec}{%
488        name      = \RSsectxt,
489        names     = \RSsecstxt,
490        Name      = \RSSectxt,
491        Names     = \RSSecstxt,
492        refcmd    = {\S\ref{#1}},
493        rngtxt    = \RSrngtxt,
494        lsttwotxt = \RSlsttwotxt,
495        lsttxt    = \RSlsttxt}
```

2.3.4 Equations

The equation number in references to equations are traditionally written in an
upright text, irrespective of the surrounding text.

```
496 %%-- TEMPLATE FOR EQUATIONS --------------------
```

The standard equation ref format if amsmath.sty is not loaded.

```
497 \newcommand*{\RSeqrefform}[1]{\textup{(\ref{#1})}}
```

If amsmath.sty is loaded, store `\eqref` and then undefine it before the template is
created.

```
498 \AddToHook{package/amsmath/after}{%
499    \NewCommandCopy\AMSeqref\eqref
500    \DeclareCommandCopy\RSeqrefform\AMSeqref
501    \RS@removedef{eqref}}
502 \newref{eq}{%
503    name      = \RSeqtxt,
504    names     = \RSeqstxt,
505    Name      = \RSEqtxt,
506    Names     = \RSEqstxt,
507    refcmd    = \RSeqrefform{#1},
508    rngtxt    = \RSrngtxt,
509    lsttwotxt = \RSlsttwotxt,
510    lsttxt    = \RSlsttxt}
```

Make way for amsmath.sty definitions

```
511 \NewCommandCopy\RSeqref\eqref
512 \RS@removedef{eqref}
```

Some footwork to bring the AMS definition of `\eqref` back if amsmath.sty is loaded afterwards.

```
513 \AtBeginDocument{%
514     \DeclareCommandCopy\eqref\RSeqref}
```

2.3.5   Figures and Tables

References to figures and tables are usually straight forward.

```
515 %%-- TEMPLATE FOR FIGURES ----------------------
516     \newref{fig}{%
517         name      = \RSfigtxt,
518         names     = \RSfigstxt,
519         Name      = \RSFigtxt,
520         Names     = \RSFigstxt,
521         rngtxt    = \RSrngtxt,
522         lsttwotxt = \RSlsttwotxt,
523         lsttxt    = \RSlsttxt}
```

```
524 %%-- TEMPLATE FOR TABLES -----------------------
525     \newref{tab}{%
526         name      = \RStabtxt,
527         names     = \RStabstxt,
528         Name      = \RSTabtxt,
529         Names     = \RSTabstxt,
530         rngtxt    = \RSrngtxt,
531         lsttwotxt = \RSlsttwotxt,
532         lsttxt    = \RSlsttxt}
```

2.3.6   Footnotes

A reference to a footnote differs from other references in that it is only defined inside the footnote definition itself:

```
\footnote{This is a footnote with ...  \label{fn:xx}}
```

It can then be referred to with `\ref{fn:xx}`.

A useful application of the refstyle package is for references to footnotes, were you need a duplicate footnote mark that refers to a previously defined footnote.[2] You can use the stared form of the reference command to format the reference as a footnote mark, while the reference commands without a star behave as normal.

```
\fnref*{xx}    →    2
\fnref{xx}     →    footnote (2)
```

---

[2]This is a footnote with `\fnlabel{xx}` ...

```
533 %%-- TEMPLATE FOR FOOTNOTES ---------------------
```
Define the `\RSfnmark` to reproduce the footnote mark. Use the `\ifRSstar` conditional to switch between a superscripted and a normal reference.
```
534    \newcommand{\RSfnmark}[1]{%
535       \begingroup
536         \unrestored@protected@xdef\@thefnmark{\ref{#1}}%
537       \endgroup
538       \@footnotemark}

539   \newref{fn}{%
540       name       = \RSfootntxt,
541       names      = \RSfootnstxt,
542       Name       = \RSFootntxt,
543       Names      = \RSFootnstxt,
544       refcmd     = {\ifRSstar\RSfnmark{#1}\else(\ref{#1})\fi},
545       rngtxt     = \RSrngtxt,
546       lsttwotxt = \RSlsttwotxt,
547       lsttxt     = \RSlsttxt}
```

2.3.7 Enumerated lists

A reference to an item in an enumerated list can be obtained by placing the labelling command after the `\item` command inside the list. The second level numbering of the `\ref` label in the standard LaTeX is: 2a, 2b, etc.

If you want to change the reference labels to 2(a), 2(b), etc., without effecting the display in the `enumerate` environment, you can make the following redefinition:

```
\makeatletter
\renewcommand{\p@enumii}{\expandafter\p@@enumii}
\newcommand{\p@@enumii}[1]{\theenumi(#1)}
\makeatother
```

The contents of the `\@currentlable` is then

$$\{\texttt{\textbackslash expandafter\textbackslash p@@enumii\textbackslash theenumii}\} \rightarrow \{\texttt{\textbackslash theenumi(\textbackslash theenumii)}\}$$

Writing a template for enumerated lists is left to the user.

2.3.8 Theorems, lemmas, etc.

There exists many perturbations to the theorem environment such as, Theorem, Lemma, Exercise, etc., and it is left to the user as an exercise to construct his or her own templates.

As an example to add reference for theorems to an exiting setup:

```
\usepackage{refstyle}
\newref{thm}{
    name       = {theorem~},
    names      = {theorems~},
    Name       = {Theorem~},
    Names      = {Theorems~},
    rngtxt     = \RSrngtxt,
    lsttwotxt = \RSlsttxt,
    lsttxt     = \RSlsttxt}
```

If you want to add it to a specific language setup with babel then you can do the following, for example for a dual language document with English and Norwegian:

```
\documentclass[english, norwegian]{article}% NB: Languages as global opts!
\usepackage{babel}      %Use global languages
\usepackage{varioref}   %Use global languages
\usepackage{refstyle}   %Use global languages
\RSaddto{\RSnorwegian}{%
   \def\RSthmtxt{teorem~}%
   \def\RSthmstxt{teorem~}%
   \def\RSThmtxt{Teorem~}%
   \def\RSThmstxt{Teorem~}}
\RSaddto{\RSenglish}{%
   \def\RSthmtxt{theorem~}%
   \def\RSthmstxt{theorems~}%
   \def\RSThmtxt{Theorem~}%
   \def\RSThmstxt{Theorems~}}
\newref{thm}{
   name      = \RSthmtxt,
   names     = \RSthmstxt,
   Name      = \RSThmtxt,
   Names     = \RSThmstxt,
   rngtxt    = \RSrngtxt,
   lsttwotxt = \RSlsttxt,
   lsttxt    = \RSlsttwotxt}
```

All babel language changes will then activate the proper code setup. In this example the refstyle mechanism is used where the code is appended to the \RSenglish and \RSnorwegian container functions. These functions are added by the package to the babel containers \extrasenglish and \extrasnorwegian, that is called every time a language change occurs. Please see the contents of refstyle.cfg for the names of the refstyle containers associated with the different languages.

Note that the extended definitions can also be added directly to the babel containers without using refstyle's mechanism.

548 ⟨/cfg⟩

Change History