

Configuration file for **refstyle** package*

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2010/10/21

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*This file has version number 0.4, last revised 2010/10/21.

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, bokmal¹
- 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 existing language setup.

¹Norwegian Bokmål is not defined in `babel` yet.

2 Implementation

1 $\langle *cfg \rangle$

2.1 Identification

```
2 \ProvidesFile{refstyle.cfg}[2010/10/21\space
3 0.4\space
4 Configuration file for refstyle (DNJ Els)]
```

2.2 Language Definitions for refstyle Package

2.2.1 English

$\backslash RSenglish, \backslash RSukenglish$ Support provided by the author.

```
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
13  \def\RSPartstxt{Parts~}%.....         uppercase plural
14  \def\RSappendixname{appendix~}%..... Appendix lowercase singular
15  \def\RSappendixname{Appendix~}%.....   lowercase plural
16  \def\RSappendicesname{appendices~}%..  uppercase singular
17  \def\RSappendicesname{Appendices~}%..  uppercase plural
18  \def\RSchaptername{chapter~}%..... Chapter lowercase singular
19  \def\RSchaptername{Chapter~}%.....     lowercase plural
20  \def\RSchaptersname{chapters~}%.....   uppercase singular
21  \def\RSchaptersname{Chapters~}%.....   uppercase plural
22  \def\RSsectxt{section~}%..... Section  lowercase singular
23  \def\RSsectxt{sections~}%.....         lowercase plural
24  \def\RSsectxt{Section~}%.....          uppercase singular
25  \def\RSsectxt{Sections~}%.....         uppercase plural
26  \def\RSeqtxt{equation~}%..... Equation lowercase singular
27  \def\RSeqtxt{equations~}%.....         lowercase plural
28  \def\RSeqtxt{Equation~}%.....          uppercase singular
29  \def\RSeqtxt{Equations~}%.....         uppercase plural
30  \def\RSfigtxt{figure~}%..... Figure   lowercase singular
31  \def\RSfigtxt{figures~}%.....         lowercase plural
32  \def\RSfigtxt{Figure~}%.....          uppercase singular
33  \def\RSfigtxt{Figures~}%.....         uppercase plural
34  \def\RSabtxt{table~}%..... Table     lowercase singular
35  \def\RSabtxt{tables~}%.....          lowercase plural
36  \def\RSabtxt{Table~}%.....           uppercase singular
37  \def\RSabtxt{Tables~}%.....          uppercase plural
38  \def\RSfootntxt{footnote~}%..... Footnote lowercase singular
39  \def\RSfootntxt{footnotes~}%.....     lowercase plural
40  \def\RSfootntxt{Footnote~}%.....      uppercase singular
41  \def\RSfootntxt{Footnotes~}%.....     uppercase plural
```

```

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\RSAppendixname{Appendix~}%
53   \def\RSappendicesname{appendices~}%
54   \def\RSAppendicesname{Appendices~}%
55   \def\RSchaptername{chapter~}%
56   \def\RSChaptername{Chapter~}%
57   \def\RSchaptersname{chapters~}%
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\RSappendixname{Bylae~}%
98   \def\RSappendicesname{bylaes~}%
99   \def\RSappendicesname{Bylaes~}%
100  \def\RSchaptername{hoofstuk~}%
101  \def\RSchaptername{Hoofstuk~}%
102  \def\RSchaptersname{hoofstukke~}%
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\RSeqtxt{vergelykings~}%
110  \def\RSEqtxt{Vergelyking~}%
111  \def\RSEqtxt{Vergelyking~}%
112  \def\RSfigtxt{figuur~}%
113  \def\RSfigtxt{figure~}%
114  \def\RSfigtxt{Figuur~}%
115  \def\RSfigtxt{Figure~}%
116  \def\RSabtxt{tabel~}%
117  \def\RSabtxt{tabelle~}%
118  \def\RSabtxt{Tabel~}%
119  \def\RSabtxt{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\RSappendixname{Bilag~}%      % but 'bilag' is used in Babel
137   \def\RSappendicesname{bilag~}%
138   \def\RSappendicesname{Bilag~}%
139   \def\RSchaptername{kapitel~}%
140   \def\RSChaptername{Kapitel~}%
141   \def\RSchaptersname{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{tablel~}%
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\RSAppendixname{L'appendice~}%
176   \def\RSappendicesname{appendices~}%
177   \def\RSAppendicesname{Les appendices~}%
178   \def\RSchaptername{chapitre~}%
179   \def\RSChaptername{Le chapitre~}%
180   \def\RSchaptersname{chapitres~}%
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\RSabtxt{tableau~}%
195   \def\RSabstxt{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\RSappendixname{Anhang~}%
215 \def\RSappendicesname{Anh\"{a}nge~}%
216 \def\RSappendicesname{Anh\"{a}nge~}%
217 \def\RSchaptername{Kapitel~}%
218 \def\RSchaptername{Kapitel~}%
219 \def\RSchaptersname{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\RSfigtxt{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\RSAppendixname{l'Appendice~}%
257 \def\RSappendicesname{le appendici~}%
258 \def\RSAppendicesname{le Appendici~}%
259 \def\RSchaptername{il capitolo~}%
260 \def\RSChaptername{il Capitolo~}%
261 \def\RSchaptersname{i capitoli~}%
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 identical 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\RSAppendixname{Tillegg~}%
296 \def\RSappendicesname{tillegg~}%
297 \def\RSAppendicesname{Tillegg~}%
298 \def\RSchaptername{kapittel~}%
299 \def\RSChaptername{Kapittel~}%
300 \def\RSchaptersname{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\RSabtxt{tabell~}%
315 \def\RSabstxt{tabell~}%
316 \def\RSabtxt{Tabell~}%
317 \def\RSabstxt{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, \RSbrazilian` Bernhard Enders and Flavio Costa <flaviocosta AT yahoo DOT com DOT br> provided the definitions for Portuguese.

```

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

```

```

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\RSAppendixname{Ap\^~{e}ndice~}%
338 \def\RSappendicesname{ap\^~{e}ndices~}%
339 \def\RSAppendicesname{Ap\^~{e}ndices~}%
340 \def\RSchaptername{cap\^~{i}tulo~}%
341 \def\RSChaptername{Cap\^~{i}tulo~}%
342 \def\RSchaptersname{cap\^~{i}tulos~}%
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\RSabtxt{tabela~}%
357 \def\RSabstxt{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\RSAppendixname{Ap\^~{e}ndice~}%
375 \def\RSappendicesname{ap\^~{e}ndices~}%
376 \def\RSAppendicesname{Ap\^~{e}ndices~}%
377 \def\RSchaptername{cap\^~{i}tulo~}%
378 \def\RSChaptername{Cap\^~{i}tulo~}%
379 \def\RSchaptersname{cap\^~{i}tulos~}%
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 alfvénlab 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\RSAppendixname{Appendix~}%
417   \def\RSappendicesname{Appendix~}%
418   \def\RSAppendicesname{Appendix~}%
419   \def\RSchaptername{kapitel~}%
420   \def\RSChaptername{Kapitel~}%
421   \def\RSchaptersname{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\REqstxt{Ekvation~}%
431 \def\RSfigtxt{figur~}%
432 \def\RSfigstxt{figur~}%
433 \def\RSFigt{Figur~}%
434 \def\RSFigtstxt{Figur~}%
435 \def\RStabtxt{tabell~}%
436 \def\RStabstxt{tabell~}%
437 \def\RTabtxt{Tabell~}%
438 \def\RTabstxt{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 configuration 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    = \RSpantt,
448   names   = \RSpantst,
449   Name    = \RSPpart,
450   Names   = \RSPartst,
451   rngtxt  = \RSrngt,
452   lsttxt  = \RSlstt}

```

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 end up in the main matter or the appendix part of a book or report.

A simple solution is to use the prefix to the $\langle chapter \rangle$ counter, $\backslash p@chapter$, to write the definition of $\backslash @chapapp$ to the auxiliary file ($.aux$) together with information of the label. The command $\backslash @chapapp$ expands to either $\backslash chaptername$ or $\backslash appendixname$ depending on whether the reference label is defined in the main matter or after the $\backslash appendix$ was called. (Note that $\backslash @chapapp$ 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, $\backslash chapref{\langle chap-label \rangle}$, will then be prefixed with $\backslash chaptername$ or $\backslash appendixname$ 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 $\backslash newref$ 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*{\RSchpname}[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*{\RSeqreformat}[1]{\textup{(\ref{#1})}}

If amsmath.sty is loaded, store \eqref and then undefine it before the template is
created.
498 \@ifpackageloaded{amsmath}%
499     {\let\AMSeqref\eqref
500      \let\eqref\relax}%
501     {}

502 \newref{eq}{%
503     name      = \RSeqtxt,
504     names     = \RSeqstxt,
505     Name      = \RSeqtxt,
506     Names     = \RSeqstxt,
507     refcmd    = \RSeqreformat{#1},
508     rngtxt    = \RSrngtxt,
509     lsttwotxt = \RSlsttwotxt,
510     lsttxt    = \RSlsttxt}

```

Make way for amsmath.sty definitions

```
511 \let\RSeqref\eqref
```

```
512 \let\eqref\relax
```

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

```
513 \AtBeginDocument{%
```

```
514   \ifpackageloaded{amsmath}%
```

```
515     {\RS@ifundefined{AMSeqref}{\let\AMSeqref\eqref}{}}%
```

```
516     \let\RSeqref\AMSeqref%
```

```
517     }%
```

```
518   \let\eqref\RSeqref
```

```
519 }
```

2.3.5 Figures and Tables

References to figures and tables are usually straight forward.

```
520 %-- TEMPLATE FOR FIGURES -----
```

```
521 \newref{fig}{%
```

```
522   name      = \RSfigtxt,
```

```
523   names     = \RSfigtxt,
```

```
524   Name      = \RSfigtxt,
```

```
525   Names     = \RSfigtxt,
```

```
526   rngtxt    = \RSrngtxt,
```

```
527   lsttwotxt = \RSlsttwotxt,
```

```
528   lsttxt    = \RSlsttxt}
```

```
529 %-- TEMPLATE FOR TABLES -----
```

```
530 \newref{tab}{%
```

```
531   name      = \RStabtxt,
```

```
532   names     = \RStabtxt,
```

```
533   Name      = \RStabtxt,
```

```
534   Names     = \RStabtxt,
```

```
535   rngtxt    = \RSrngtxt,
```

```
536   lsttwotxt = \RSlsttwotxt,
```

```
537   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, where you need a duplicate footnote mark that refers to a previously defined footnote.²

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

You can use the starred 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}` \rightarrow ²
`\fnref{xx}` \rightarrow footnote (2)

```

538 %-- TEMPLATE FOR FOOTNOTES -----
Define the \RSfnmark to reproduce the footnote mark. Use the \ifRSstar conditional
to switch between a superscripted and a normal reference.
539 \newcommand{\RSfnmark}[1]{%
540   \begingroup
541   \unrestored@protected@xdef\@thefnmark{\ref{#1}}%
542   \endgroup
543   \@footnotemark}
544 \newref{fn}{%
545   name      = \RSfootntxt,
546   names     = \RSfootnstxt,
547   Name      = \RSFootntxt,
548   Names     = \RSFootnstxt,
549   refcmd    = {\ifRSstar\RSfnmark{#1}\else(\ref{#1})\fi},
550   rngtxt    = \RSrngtxt,
551   lsttwotxt = \RSlsttwotxt,
552   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 L^AT_EX 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 `\@currentlabel` is then

```
\expandafter\p@enumii\theenumii}  $\rightarrow$  {\theenumi(\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{teorems~}%
  \def\RSThmtxt{Theorem~}%
  \def\RSThmstxt{Theorems~}}
\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.

553 </cfg>

Change History

v0.0

v0.2

General: Initial version 1

General: Updated version 1

\RSdanish: Add Danish language

support	5	v0.4	
\RSgerman: Add German language			General: Add \RSlsttwotxt for
support	7		lists
\RSswedish: Add Swedish language			\RSfrench: Add French language
support	12		support
v0.3			\RSitalian: Add Italian language
General: Documentation update ..	1		support
\RSnorwegian: Add Norwegian lan-			\RSportuguese,\RSbrazilian:
guage support	9		Add Portuguese language sup-
			port
			10