

# Documented Code For testidx v1.2

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## 1 Introduction

This is the documented code for the `testidx` package. See `testidx-manual.pdf` for the main user guide.

## 2 Main Package Code

### 3 Initialisation

```
1 \NeedsTeXFormat{LaTeX2e}
2 \ProvidesPackage{testidx}[2019/09/29 v1.2 (NLCT)]
```

To avoid as much conflict as possible, this package loads the bare minimum, so I'm not using useful packages like `etoolbox` or `pgffor`. Just load a few necessities:

```
3 \RequirePackage{color}
```

Need to know if we have UTF-8 support:

```
4 \RequirePackage{ifxetex}
5 \RequirePackage{ifluatex}
```

`idx@ifxeorlua`

```
6 \newcommand*{\@tstidx@ifxelua}[2]{%
7   \ifxetex
8     #1%
9   \else
10    \ifluatex
11      #1%
12    \else
13      #2%
14    \fi
15  \fi
16 }
```

`idx@ifutfviii`

```
17 \newcommand*{\@tstidx@ifutfviii}[2]{%
18   \@tstidx@ifxelua{#1}
19   {%
20     \ifx\inputencodingname\@tstidx@utfviii#1\else#2\fi
21   }%
22 }
23 \newcommand*{\@tstidx@utfviii}{utf8}
```

`idx@ifutfviii`

```
24 \let\@tstidx@ifutfviii\@tstidx@ifutfviii
```

As from 2018,  $\LaTeX$  now automatically enables UTF-8 support, so provide an option to use only ASCII in the test:

```
25 \DeclareOption{ascii}{\let\@tstidx@ifutfviii\@secondoftwo}
```

Provide option to counteract this (if document doesn't support UTF-8 this won't make a difference):

```
26 \DeclareOption{noascii}{\let\@tstidx@ifutfviii\@@tstidx@ifutfviii}
```

processasciisort The first argument is a control sequence in which to store the processed sort string.

```
27 \newcommand*{\tstidxprocessasciisort}{\tstidxprocessasciisortstrip}
```

stripaccents

```
28 \newcommand*{\tstidxStripAccents}{%
```

```
29 \renewcommand*{\tstidxprocessasciisort}{\tstidxprocessasciisortstrip}%
```

```
30 }
```

nostripaccents

```
31 \newcommand*{\tstidxNoStripAccents}{%
```

```
32 \renewcommand*{\tstidxprocessasciisort}{\tstidxprocessasciisortnostrip}%
```

```
33 }
```

Option to strip accents from sort key (non-UTF-8).

```
34 \DeclareOption{stripaccents}{\tstidxStripAccents}
```

Leave the accent commands in the sort key (non-UTF-8).

```
35 \DeclareOption{nostripaccents}{\tstidxNoStripAccents}
```

\tstidxquote Quote character.

```
36 \newcommand{\tstidxquote}{\string"}
```

This is going to cause a problem for the umlauts if we're not using UTF-8, so provide a command to protect the double-quote:

\tstidxumlaut

```
37 \newcommand*{\tstidxumlaut}{%
```

```
38 \expandafter\@gobble\string\@tstidxquote\string"}
```

sortumlaut

```
39 \newcommand*{\tstidxsortumlaut}{%
```

```
40 \expandafter\@gobble\string\@tstidxquote\string"}
```

sortumlautstrip

```
41 \newcommand*{\tstidxsortumlautstrip}{\@firstofone}
```

\tstidxGermanOn Switch German option on.

```
42 \newcommand*{\tstidxGermanOn}{%
```

```
43 \let\@tstidx@ifgerman\@firstoftwo
```

```
44 \renewcommand{\tstidxquote}{+}%
```

```
45 \renewcommand*{\tstidxumlaut}{\string"}
```

```
46 \renewcommand*{\tstidxsortumlautstrip}{\string"}
```

```
47 \renewcommand*{\tstidxsortumlaut}{\string"}
```

```
48 }
```

tidxGermanOff

**Switch German option off.**

```
49 \newcommand*{\testidxGermanOff}{%
50   \let\@tstidx@ifgerman\@secondoftwo
51   \renewcommand{\tstidxquote}{\string"%}
52   \renewcommand*{\tstidxumlaut}{%
53     \expandafter\@gobble\string\\ \tstidxquote\string"%}
54   \renewcommand*{\tstidxsortumlautstrip}{\@firstofone}%
55   \renewcommand*{\tstidxsortumlaut}{%
56     \expandafter\@gobble\string\\ \tstidxquote\string"%}
57 }
```

tidx@ifgerman

```
58 \newcommand*{\@tstidx@ifgerman}[2]{#2}
```

User may want to run `makeindex` with the `-g` switch, so provide german option that will accommodate this.

```
59 \DeclareOption{german}{\testidxGermanOn}
```

Also allow `ngerman` to do the same:

```
60 \DeclareOption{ngerman}{\testidxGermanOn}
```

Provide an option to counter-act this:

```
61 \DeclareOption{nogerman}{\testidxGermanOff}
```

idxprocessutf

**How to deal with UTF-8 words.**

```
62 \@tstidx@ifxelua
63 {
64   \newcommand*{\tstidxprocessutf}{%
65     \tstidxprocessutfnosanitize
66   }
67 }
68 {
69   \newcommand*{\tstidxprocessutf}{%
70     \tstidxprocessutfsanitize
71   }
72 }
```

dx@ifsanitize

```
73 \newcommand*{\@tstidx@ifsanitize}[2]{#1}
```

idxSanitizeOn

**Switch the sanitize option on.**

```
74 \newcommand*{\testidxSanitizeOn}{%
75   \let\@tstidx@ifsanitize\@firstoftwo
76   \renewcommand*{\tstidxprocessutf}{%
77     \tstidxprocessutfsanitize
78   }%
79 }
```

`dxSanitizeOff` Switch the sanitize option off.

```
80 \newcommand*\testidxSanitizeOff}{%
81   \let\@tstidx@ifsanitize\@secondoftwo
82   \renewcommand*\tstidxprocessutf}{%
83     \tstidxprocessutfnosanitize
84   }%
85 }
```

Note that as from LaTeX 2019/10/01, UTF-8 characters no longer expand as they are written to the indexing file. This means that there won't be a difference if the sanitizing is on or off. Similarly there's no difference with Xe<sub>L</sub>A<sub>T</sub>E<sub>X</sub> and Lua<sub>L</sub>A<sub>T</sub>E<sub>X</sub> since they natively support UTF-8 and don't make extended characters active anyway.

`stidxdiglyphs`

```
86 \newif\iftstidxdiglyphs
87 \testidxdiglyphsfalse
```

Option to switch on digraph glyphs for the digraph examples:

```
88 \DeclareOption{diglyphs}{%
89   \@tstidx@ifutfviii{\testidxdiglyphstrue}%
90 }%
91   \PackageWarning{testidx}{diglyphs option requires UTF-8 support}%
92 }
93 }
```

Option to switch off digraphs glyphs for the digraph examples (default):

```
94 \DeclareOption{nodiglyphs}{\testidxdiglyphsfalse}
```

`testidxprefix`

```
95 \newif\iftstidxprefix
96 \testidxprefixtrue
```

Option to switch on sort prefixes (default):

```
97 \DeclareOption{prefix}{\testidxprefixtrue}
```

Option to switch off prefixes:

```
98 \DeclareOption{noprefix}{\testidxprefixfalse}
```

Option to switch on the UTF-8 sanitization (irrespective of engine):

```
99 \DeclareOption{sanitize}{\testidxSanitizeOn}
```

Option to switch off the UTF-8 sanitization (irrespective of engine):

```
100 \DeclareOption{nosanitize}{\testidxSanitizeOff}
```

Option to show the actual indexing argument.

`estidxverbose`

```
101 \newif\iftstidxverbose
102 \testidxverbosefalse
103 \DeclareOption{verbose}{\testidxverbosetrue}
104 \DeclareOption{noverbose}{\testidxverbosefalse}
```

Option to hide the markers.

tidxshowmarks

```
105 \newif\iftestidxshowmarks
106 \testidxshowmarkstrue
107 \DeclareOption{showmarks}{\testidxshowmarkstrue}
108 \DeclareOption{noshowmarks}{\testidxshowmarksfalse}
109 \DeclareOption{hidemarks}{\testidxshowmarksfalse}
```

Option to skip the test encaps.

dx@use@encaps

```
110 \newif\if@tstidx@use@encaps
111 \@tstidx@use@encapstrue
112 \DeclareOption{testencaps}{\@tstidx@use@encapstrue}
113 \DeclareOption{notestencaps}{\@tstidx@use@encapsfalse}
```

Process options:

```
114 \ProcessOptions
```

Find out if various packages have been loaded.

idx@ifamsmath

```
115 \AtBeginDocument{%
116   \@ifpackageloaded{amsmath}%
117   {\let\@tstidx@ifamsmath\@firstoftwo}%
118   {\let\@tstidx@ifamsmath\@secondoftwo}%
119   \@ifpackageloaded{amssymb}%
120   {\let\@tstidx@ifamssymb\@firstoftwo}%
121   {\let\@tstidx@ifamssymb\@secondoftwo}%
```

dx@ifinputenc

```
122   \@ifpackageloaded{inputenc}
123   {
124     \let\@tstidx@if@inputenc\@firstoftwo
125   }%
126   {%
127     \ifxetex
128       \let\@tstidx@if@inputenc\@firstoftwo
129     \else
130       \ifluatex
131         \let\@tstidx@if@inputenc\@firstoftwo
132       \else
133         \let\@tstidx@if@inputenc\@secondoftwo
134       \fi
135     \fi
136   }%
```

x@if@notOT@ne

Some of the accent commands don't work with the default OT1 encoding, so provide a convenient test.

```

137 \ifxetex
138   \let\@tstidx@if@notOT@ne\@firstoftwo
139 \else
140   \ifluatex
141     \let\@tstidx@if@notOT@ne\@firstoftwo
142   \else
143     \newcommand*{\@tstidx@OT@ne}{OT1}%
144     \edef\@tstidx@enc{\encodingdefault}%
145     \ifx\@tstidx@OT@ne\@tstidx@enc
146       \let\@tstidx@if@notOT@ne\@secondoftwo
147     \else
148       \let\@tstidx@if@notOT@ne\@firstoftwo
149     \fi
150   \fi
151 \fi
152 }

```

## 4 Markup Commands

String is used in case any of these characters have been made active.

`\tstidxactual` **Actual character.**  
153 \newcommand{\tstidxactual}{\string @}

`\tstidxlevel` **Level character.**  
154 \newcommand{\tstidxlevel}{\string!}

`\tstidxencap` **Encap character.**  
155 \newcommand{\tstidxencap}{\string|}

`\tstidxopenrange` **Start range character.**  
156 \newcommand{\tstidxopenrange}{\string(}

`\tstidxcloserange` **End range character.**  
157 \newcommand{\tstidxcloserange}{\string)}

Some of the examples use words with extended Latin characters. Provide a way of simulating the user explicitly writing, for example, `\index{"Angelholm}`.

`\tstidxprocessascii` **The first argument is a control sequence in which to store the processed string.**  
158 \newcommand\*{\tstidxprocessascii}[2]{%
159 {%
160 \let\@tstidxumlaut
161 \def\'{\string\'}%
162 \def`\{\string\`}%
163 \def\.\{\string\.%}
164 \def\={\string\=%}
165 \def\^\{\string\^}%

```

166 \def\~{\string\~}%
167 \def\c{\string\c}%
168 \def\r{\string\r}%
169 \def\b{\string\b}%
170 \def\d{\string\d}%
171 \def\H{\string\H}%
172 \def\k{\string\k}%
173 \def\u{\string\u}%
174 \def\v{\string\v}%
175 \def\O{\string\O\space}%
176 \def\o{\string\o\space}%
177 \def\l{\string\l\space}%
178 \def\L{\string\L\space}%
179 \def\i{\string\i\space}%
180 \def\AA{\string\AA\space}%
181 \def\aa{\string\aa\space}%
182 \def\ae{\string\ae\space}%
183 \def\AE{\string\AE\space}%
184 \def\oe{\string\oe\space}%
185 \def\OE{\string\OE\space}%
186 \def\ss{\string\ss\space}%
187 \def\SS{\string\SS\space}%
188 \def\th{\string\th\space}%
189 \def\TH{\string\TH\space}%
190 \def\dh{\string\dh\space}%
191 \def\DH{\string\DH\space}%
192 \def\dj{\string\dj\space}%
193 \def\DJ{\string\DJ\space}%
194 \def\ng{\string\ng\space}%
195 \def\NG{\string\NG\space}%
196 \protected@xdef#1{#2}%
197 }%
198 }

```

iiisortnostrip

```

199 \newcommand*{\tstidxprocessasciisortnostrip}[2]{%
200   {%
201     \let"\tstidxsortumlaut
202     \protected@xdef#1{#2}%
203   }%
204 }

```

sciisortstrip

```

205 \newcommand*{\tstidxprocessasciisortstrip}[2]{%
206   {%
207     \let"\tstidxsortumlautstrip
208     \let'\@firstofone
209     \let\` \@firstofone
210     \let\.\@firstofone

```



```

211 \let\=\@firstofone
212 \let\^\@firstofone
213 \let\~\@firstofone
214 \let\c\@firstofone
215 \let\r\@firstofone
216 \let\b\@firstofone
217 \let\d\@firstofone
218 \let\H\@firstofone
219 \let\k\@firstofone
220 \let\u\@firstofone
221 \let\v\@firstofone
222 \def\O{O}%
223 \def\o{o}%
224 \def\l{l}%
225 \def\L{L}%
226 \def\i{i}%
227 \def\AA{A}%
228 \def\aa{a}%
229 \def\ae{ae}%
230 \def\AE{AE}%
231 \def\oe{oe}%
232 \def\OE{OE}%
233 \def\ss{ss}%
234 \def\SS{SS}%
235 \def\th{th}%
236 \def\TH{TH}%
237 \def\dh{dh}%
238 \def\DH{DH}%
239 \def\dj{dj}%
240 \def\DJ{DJ}%
241 \def\ng{ng}%
242 \def\NG{NG}%
243 \protected@xdef#1{#2}%
244 }%
245 }

```

`ssutfsanitize` **Sanitize UTF-8 strings.**

```

246 \newcommand*{\tstidxprocessutfsanitize}[2]{%
247 \def#1{#2}%
248 \@onelevel@sanitize#1%
249 }

```

`utfnosanitize` **Don't sanitize UTF-8 strings.**

```

250 \newcommand*{\tstidxprocessutfnosanitize}[2]{%
251 \def#1{#2}%
252 }

```

`tidxencapttext` **Wrap text in the command corresponding to the given encap.**

```

253 \newcommand*{\tstidxencapttext}[2]{%

```

```

254 \@ifundefined{#1}%
255 {%
256   \PackageError{testidx}{Encap value `#1' doesn't correspond
257   to a known command}{}%
258 }%
259 {%
260   \csname#1\endcsname{#2}%
261 }%
262 }

```

`\tstidxtext` Identify text next to the index command. This will also be wrapped around the encap value if supplied.

```
263 \newcommand*{\tstidxtext}[1]{\textcolor[gray]{0.3}{#1}}
```

Provide three different encap values for testing:

`\tstidxencapi`

```
264 \newcommand*{\tstidxencapi}[1]{\textcolor{blue}{#1}}
```

`tstidxencapii`

```
265 \newcommand*{\tstidxencapii}[1]{\textcolor{cyan}{#1}}
```

`stidxencapiii`

```
266 \newcommand*{\tstidxencapiii}[1]{\textcolor{magenta}{#1}}
```

`idxensuretext`

Ensure in text mode.

```

267 \newcommand*{\tstidxensuretext}[1]{%
268   \ifmmode
269     \@tstidx@ifamsmath{\text{#1}}{\mbox{#1}}%
270   \else
271     #1%
272   \fi
273 }

```

Markers to show where the `\index` commands are used. Preferable to have markers that adjust to font size, and only use commands provided by L<sup>A</sup>T<sub>E</sub>X kernel to reduce package requirements.

`\tstidxmarker`

No range or cross-reference. I initially used `\textperiodcentered` for the marker, but some fonts make it a bit too spacey for this purpose.

```

274 \newcommand*{\tstidxmarker}{%
275   \tstidxensuretext{\raisebox{.65ex}{.}}%
276 }

```

`tidxsubmarker`

Sub-entry.

```

277 \newcommand*{\tstidxsubmarker}{%
278   \tstidxensuretext{\strut\smash{\raisebox{-1.5ex}{\v{}}}}%
279 }

```

xsubsubmarker **Sub-sub-entry.**

```
280 \newcommand*{\tstidxsubsubmarker}{%
281 \tstidxensuretext{\strut\makebox[0pt][l]{\smash{\raisebox{-1ex}{\v{}}}}}%
282 \smash{\raisebox{-1.5ex}{\v{}}}}}%
283 }
```

idxopenmarker **Start of a range.**

```
284 \newcommand*{\tstidxopenmarker}{%
285 \tstidxensuretext
286 {%
287 \setlength{\unitlength}{1ex}%
288 \begin{picture}(.5,2)
289 \put(\@halfwidth\@gobble,0){\line(0,1){2}}
290 \put(0,2){\line(1,0){.5}}
291 \end{picture}%
292 \hspace{\@halfwidth}%
293 }%
294 }
```

dxclosemarker **End of a range.**

```
295 \newcommand*{\tstidxclosemarker}{%
296 \tstidxensuretext
297 {%
298 \setlength{\unitlength}{1ex}%
299 \begin{picture}(.5,2)
300 \put(\@halfwidth\@gobble,0){\line(1,0){.5}}
301 \put(.5,0){\line(0,1){2}}
302 \end{picture}%
303 \hspace{\@halfwidth}%
304 }%
305 }
```

opensubmarker **Start of a range for sub-entries.**

```
306 \newcommand*{\tstidxopensubmarker}{%
307 \tstidxensuretext
308 {%
309 \setlength{\unitlength}{1ex}%
310 \begin{picture}(.4,1.6)
311 \put(\@halfwidth\@gobble,0){\line(0,1){1.6}}
312 \put(0,1.6){\line(1,0){.4}}
313 \end{picture}%
314 \hspace{\@halfwidth}%
315 }%
316 }
```

losesubmarker **End of a range for sub-entries.**

```
317 \newcommand*{\tstidxclosesubmarker}{%
318 \tstidxensuretext
319 }
```

```

320 \setlength{\unitlength}{1ex}%
321 \begin{picture}(.4,1.6)
322 \put(\@halfwidth\@gobble,0){\line(1,0){.4}}
323 \put(.4,0){\line(0,1){1.6}}
324 \end{picture}%
325 \hspace{\@halfwidth}%
326 }%
327 }

```

nsubsubmarker **Start of a range for sub-sub-entries.**

```

328 \newcommand*\tstidxopensubsubmarker{%
329 \tstidxensuretext
330 {%
331 \setlength{\unitlength}{1ex}%
332 \begin{picture}(.3,1.2)
333 \put(\@halfwidth\@gobble,0){\line(0,1){1.2}}
334 \put(0,1.2){\line(1,0){.3}}
335 \end{picture}%
336 \hspace{\@halfwidth}%
337 }%
338 }

```

esubsubmarker **End of a range for sub-sub-entries.**

```

339 \newcommand*\tstidxclosesubsubmarker{%
340 \tstidxensuretext
341 {%
342 \setlength{\unitlength}{1ex}%
343 \begin{picture}(.3,1.2)
344 \put(\@halfwidth\@gobble,0){\line(1,0){.3}}
345 \put(.3,0){\line(0,1){1.2}}
346 \end{picture}%
347 \hspace{\@halfwidth}%
348 }%
349 }

```

tidxseemarker **Cross-reference.**

```

350 \newcommand*\tstidxseemarker{\^{}{}}

```

\tstidxseeref **Cross-references are identified with the marker and with a marginal note with the term being indexed and the argument of the “see” encap.**

```

351 \newcommand*\tstidxseeref[3]{\tstidxseemarker
352 \marginpar{\strut\raggedright\footnotesize
353 \normalcolor\tstidxseemarker#1, \csname#2\endcsname{#3}{}}%
354 }

```

xsubseemarker **Cross-reference.**

```

355 \newcommand*\tstidxsubseemarker{%
356 \tstidxensuretext{\makebox[0pt][l]{\tstidxsubmarker}}%

```

```
357 \tstidxseemarker}%
358 }
```

`\tstidxsubseeref` Cross-references are identified with the marker and with a marginal note with the term being indexed and the argument of the “see” encap.

```
359 \newcommand*\tstidxsubseeref}[4]{\tstidxsubseemarker
360 \marginpar{\strut\raggedright\footnotesize
361 \normalcolor\tstidxsubseemarker#1\tstidxsubseesep#2, \csname#3\endcsname{#4}}}%
362 }
```

`\tstidxsubseesep` Separator used in the above.

```
363 \newcommand*\tstidxsubseesep{\, $\triangleright$ \, }
```

`\tstindex` Allow user to change `\index` to something else. For example, add an optional argument if multiple indexes are present.

```
364 \newcommand*\tstindex{\index}
```

`\@tstindex`

```
365 \newcommand*\@tstindex}[1]{%
366 \iftestidxverbose
367 \def\@tstindex@arg{#1}%
368 \@onelevel@sanitize\@tstindex@arg
369 \testidxverbosefmt{\@tstindex@arg}%
370 \fi
371 \tstindex{#1}%
372 }
```

`\testidxverbosefmt`

```
373 \newcommand*\testidxverbosefmt}[1]{%
374 \expandafter\def\expandafter\@tstidx@tmp\expandafter{\tstindex}%
375 \@onelevel@sanitize\@tstidx@tmp
376 \tstidxensuretext{%
377 \discretionary{}{}{}%
378 {\footnotesize\texttt{\@tstidx@tmp
379 \expandafter\@gobble\string\{#1\expandafter\@gobble\string\}}}%
380 \discretionary{}{}{}%
381 }%
382 }
```

`\tstidxqt` Nothing to do with indexing, but just provides semantic markup for quotes.

```
383 \newcommand*\tstidxqt}[1]{``#1''}
```

`\tstidxdash`

```
384 \newcommand*\tstidxdash{\, --- \, }
```

`\tstidxfootnote`

```
385 \newcommand*\tstidxfootnote{\footnote}
```

## 5 Convenience Commands

These commands are provided for conveniently marking various aspects of the dummy text.

```
\tstidxfmtpost \tstidxfmtpost{\langle text \rangle}{\langle fmt cs \rangle}{\langle encap \rangle}
```

Index an entry that needs a formatting command.

```
386 \newcommand*\tstidxfmtpost[3]{%
387   \tstindexpost[#1]{\protect#2{#1}}[#1]{#3}{#2{#1}}%
388 }
```

```
idxfmtopenpost \tstidxfmtopenpost{\langle text \rangle}{\langle fmt cs \rangle}{\langle encap \rangle}
```

Index an entry that needs a formatting command.

```
389 \newcommand*\tstidxfmtopenpost[3]{%
390   \tstindexopenpost[#1]{\protect#2{#1}}{#3}{#2{#1}}%
391 }
```

```
dxfmtclosepost \tstidxfmtclosepost{\langle text \rangle}{\langle fmt cs \rangle}{\langle encap \rangle}
```

Index an entry that needs a formatting command.

```
392 \newcommand*\tstidxfmtclosepost[3]{%
393   \tstindexclosepost[#1]{\protect#2{#1}}{#3}{#2{#1}}%
394 }
```

```
\tstidxfmtpre \tstidxfmtpre{\langle text \rangle}{\langle fmt cs \rangle}{\langle encap \rangle}
```

Index an entry that needs a formatting command.

```
395 \newcommand*\tstidxfmtpre[3]{%
396   \tstindexpre[#1]{\protect#2{#1}}{#3}{#2{#1}}%
397 }
```

```
idxfmtopenpre \tstidxfmtopenpre{\langle text \rangle}{\langle fmt cs \rangle}{\langle encap \rangle}
```

Index an entry that needs a formatting command.

```
398 \newcommand*\tstidxfmtopenpre[3]{%
399   \tstindexopenpre[#1]{\protect#2{#1}}{#3}{#2{#1}}%
400 }
```

```
idxfmtclosepre \tstidxfmtclosepre{\langle text \rangle}{\langle fmt cs \rangle}{\langle encap \rangle}
```

Index an entry that needs a formatting command.

```
401 \newcommand*{\tstidxfmtclosepre}[3]{%
402   \tstindexclosepre[#1]{\protect#2{#1}}{#3}{#2{#1}}%
403 }
```

```
\tstidxutf \tstidxutf[⟨label⟩]{⟨display⟩}{⟨ascii⟩}{⟨utf8⟩}{⟨encap⟩}{⟨idx cs⟩}
```

Index a word with UTF-8 characters.

```
404 \newcommand*{\tstidxutf}{%
405   \@ifnextchar[{\@tstidxutf}{\@tstidxutf[]}%
406 }
407 \def\@tstidxutf[#1]#2#3#4#5#6{%
408   \def\@tstidx@text{#2}%
409   \@tstidx@ifutfviii
410   {%
411     \ifx\@tstidx@text\@empty
412       \def\@tstidx@text{#4}%
413     \fi
414     \tstidxprocessutf{\@tstidx@utf}{#4}%
415     \protected@edef\@tstidx@doidx{%
416       \noexpand#6{\unexpanded\expandafter{\@tstidx@utf}}[#1]{#5}%
417       {\@tstidx@text}%
418     }%
419   }%
420   {%
421     \ifx\@tstidx@text\@empty
422       \def\@tstidx@text{#3}%
423     \fi
424     \tstidxprocessascii{\@tstidx@ascii}{#3}%
425     \tstidxprocessasciisort{\@tstidx@asciisort}{#3}%
426     \protected@edef\@tstidx@doidx{%
427       \noexpand#6[\unexpanded\expandafter{\@tstidx@asciisort}]%
428       {\unexpanded\expandafter{\@tstidx@ascii}}[#1]{#5}%
429       {\@tstidx@text}%
430     }%
431   }%
432   \@tstidx@doidx
433 }
```

```
\tstidxsubutf \tstidxsubutf{⟨display⟩}{⟨ascii⟩}{⟨utf8⟩}{⟨sub-ascii⟩}[⟨label⟩]
{⟨sub-utf8⟩}{⟨encap⟩}{⟨idx cs⟩}
```

First level sub-entry.

```
434 \newcommand*{\tstidxsubutf}[4]{%
435   \@ifnextchar[{\@tstidxsubutf{#1}{#2}{#3}{#4}}%
436   {\@tstidxsubutf{#1}{#2}{#3}{#4}[]}%

```

```

437 }
438 \def\@tstidxsubutf#1#2#3#4[#5]#6#7#8{%
439   \def\@tstidx@text{#1}%
440   \@tstidx@ifutfviii
441   {%
442     \ifx\@tstidx@text\@empty
443       \def\@tstidx@text{#3}%
444     \fi
445     \tstidxprocessutf{\@tstidx@utf}{#3}%
446     \tstidxprocessutf{\@tstidx@subutf}{#6}%
447     \protected@edef\@tstidx@doidx{%
448       \noexpand#8%
449       {\unexpanded\expandafter{\@tstidx@utf}}%
450       {\unexpanded\expandafter{\@tstidx@subutf}}%
451       [#5]%
452       {#7}%
453       {\@tstidx@text}%
454     }%
455   }%
456   {%
457     \ifx\@tstidx@text\@empty
458       \def\@tstidx@text{#2}%
459     \fi
460     \tstidxprocessascii{\@tstidx@ascii}{#2}%
461     \tstidxprocessasciisort{\@tstidx@asciisort}{#2}%
462     \tstidxprocessascii{\@tstidx@subascii}{#4}%
463     \tstidxprocessasciisort{\@tstidx@subasciisort}{#4}%
464     \protected@edef\@tstidx@doidx{%
465       \noexpand#8%
466       [\unexpanded\expandafter{\@tstidx@asciisort}]%
467       {\unexpanded\expandafter{\@tstidx@ascii}}%
468       [\unexpanded\expandafter{\@tstidx@subasciisort}]%
469       {\unexpanded\expandafter{\@tstidx@subascii}}%
470       [#5]%
471       {#7}%
472       {\@tstidx@text}%
473     }%
474   }%
475   \@tstidx@doidx
476 }

```

\tstidxutfpost

$\{\langle display \rangle\} \{\langle ascii \rangle\} [\langle label \rangle] \{\langle utf8 \rangle\} \{\langle encap \rangle\}$
--

Index a word with UTF-8 characters.

```

477 \newcommand*{\tstidxutfpost}[2][ ]{%
478   \@ifnextchar[{\@tstidxutfpost{#1}{#2}}{\@tstidxutfpost{#1}{#2}[ ]}%
479 }

```



tstidxutfpost

```
480 \def\@tstidxutfpost#1#2[#3]#4#5{%
481   \tstidxutf{#3}{#1}{#2}{#4}{#5}{\tstindexpost}%
482 }
```

idxutfopenpost

```
\tstidxutfopenpost [display] {ascii}{utf8}{encap}
```

Index a word with UTF-8 characters.

```
483 \newcommand*\tstidxutfopenpost[4][ ]{%
484   \tstidxutf{#1}{#2}{#3}{#4}{\tstindexopenpost}%
485 }
```

idxutfclosepost

```
\tstidxutfclosepost [display] {ascii}{utf8}{encap}
```

Index a word with UTF-8 characters.

```
486 \newcommand*\tstidxutfclosepost[4][ ]{%
487   \tstidxutf{#1}{#2}{#3}{#4}{\tstindexclosepost}%
488 }
```

\tstidxutfpre

```
\tstidxutfpre [display] {ascii}[label]{utf8}{encap}
```

Index a word with UTF-8 characters.

```
489 \newcommand*\tstidxutfpre[2][ ]{%
490   \@ifnextchar[\@tstidxutfpre{#1}{#2}]{\@tstidxutfpre{#1}{#2}[#2]}%
491 }
492 \def\@tstidxutfpre#1#2[#3]#4#5{%
493   \tstidxutf[#3]{#1}{#2}{#4}{#5}{\tstindexpre}%
494 }
```

idxutfopenpre

```
\tstidxutfopenpre [display] {ascii}{utf8}{encap}
```

Index a word with UTF-8 characters.

```
495 \newcommand*\tstidxutfopenpre[4][ ]{%
496   \tstidxutf{#1}{#2}{#3}{#4}{\tstindexopenpre}%
497 }
```

idxutfclosepre

```
\tstidxutfclosepre [display] {ascii}{utf8}{encap}
```

Index a word with UTF-8 characters.

```
498 \newcommand*\tstidxutfclosepre[4][ ]{%
499   \tstidxutf{#1}{#2}{#3}{#4}{\tstindexclosepre}%
500 }
```

tidxutfsubpost

```
\tstidxutfsubpost [<display>] {<ascii>} {<utf8>} {<sub-ascii>}
[<label>] {<sub-utf8>} {<encap>}
```

**Sub-entry.**

```
501 \newcommand*{\tstidxutfsubpost}[4][[]]{%
502 \@ifnextchar[{\@tstidxutfsubpost{#1}{#2}{#3}{#4}}%
503 {\@tstidxutfsubpost{#1}{#2}{#3}{#4}[]}%
504 }
505 \def\@tstidxutfsubpost#1#2#3#4[#5]#6#7{%
506 \tstidxsubutf{#1}{#2}{#3}{#4}[#5]{#6}{#7}{\tstsubindexpost}%
507 }
```

utfsubopenpost

```
\tstidxutfsubopenpost [<display>] {<ascii>} {<utf8>} {<sub-ascii>}
{<sub-utf8>} {<encap>}
```

**Sub-entry.**

```
508 \newcommand*{\tstidxutfsubopenpost}[6][[]]{%
509 \tstidxsubutf{#1}{#2}{#3}{#4}{#5}{#6}{\tstsubindexopenpost}%
510 }
```

tfsubclosepost

```
\tstidxutfsubclosepost [<display>] {<ascii>} {<utf8>} {<sub-ascii>}
{<sub-utf8>} {<encap>}
```

**Sub-entry.**

```
511 \newcommand*{\tstidxutfsubclosepost}[6][[]]{%
512 \tstidxsubutf{#1}{#2}{#3}{#4}{#5}{#6}{\tstsubindexclosepost}%
513 }
```

tidxutfsubpre

```
\tstidxutfsubpre [<display>] {<ascii>} {<utf8>} {<sub-ascii>}
{<sub-utf8>} {<encap>}
```

**Sub-entry.**

```
514 \newcommand*{\tstidxutfsubpre}[6][[]]{%
515 \tstidxsubutf{#1}{#2}{#3}{#4}{#5}{#6}{\tstsubindexpre}%
516 }
```

utfsubopenpre

```
\tstidxutfsubopenpre [<display>] {<ascii>} {<utf8>} {<sub-ascii>}
{<sub-utf8>} {<encap>}
```

**Sub-entry.**

```
517 \newcommand*{\tstidxutfsubopenpre}[6][[]]{%
518 \tstidxsubutf{#1}{#2}{#3}{#4}{#5}{#6}{\tstsubindexopenpre}%
519 }
```

utfsubclosepre

```
\tstidxutfsubclosepre [<display>]{<ascii>}{<utf8>}{<sub-ascii>}
{\sub-utf8}{<encap>}
```

Sub-entry.

```
520 \newcommand*{\tstidxutfsubclosepre}[6][[]]{%
521   \tstidxsubutf{#1}{#2}{#3}{#4}{#5}{#6}{\tstsubindexclosepre}%
522 }
```

\tstidxcsfmt

Display a control sequence.

```
523 \newcommand*{\tstidxcsfmt}[1]{\texttt{\char`\\#1}}
```

\tstidxcs

Display and index a control sequence. The optional argument is the encap

```
524 \if@tstidx@use@encaps
525   \newcommand*{\tstidxcs}[2][tstidxencapi]{\@tstidxcs{#1}{#2}}
526 \else
527   \newcommand*{\tstidxcs}[2][[]]{\@tstidxcs{#1}{#2}}
528 \fi
529 \newcommand*{\@tstidxcs}[2]{\tstidxfmtpost{#2}{\tstidxcsfmt}{#1}}
```

\tstidxopencs

As above but starts a range.

```
530 \if@tstidx@use@encaps
531   \newcommand*{\tstidxopencs}[2][tstidxencapi]{%
532     \tstidxfmtopenpost{#2}{\tstidxcsfmt}{#1}%
533   }
534 \else
535   \newcommand*{\tstidxopencs}[2][[]]{%
536     \tstidxfmtopenpost{#2}{\tstidxcsfmt}{#1}%
537   }
538 \fi
```

tstidxclosecs

As above but ends a range.

```
539 \if@tstidx@use@encaps
540   \newcommand*{\tstidxclosecs}[2][tstidxencapi]{%
541     \tstidxfmtclosepost{#2}{\tstidxcsfmt}{#1}%
542   }
543 \else
544   \newcommand*{\tstidxclosecs}[2][[]]{%
545     \tstidxfmtclosepost{#2}{\tstidxcsfmt}{#1}%
546   }
547 \fi
```

stidxencapcsn

Display and index a control sequence name (without the initial backslash). The optional argument is the encap

```
548 \if@tstidx@use@encaps
549   \newcommand*{\tstidxencapcsn}[2][tstidxencapi]{%
550     \tstindexpost[#2 ( #2 )]%
551     {\texttt{#2} (\protect\tstidxcsfmt{#2})}[#2]{#1}{\texttt{#2}}%
552     \tstsubindexpost{encap}[#2]{\texttt{#2}}[encap.#2]{#1}{#2}}%
```

```

553 }
554 \else
555 \newcommand*{\tstidxencapcsn}[2][]{%
556 \tstindexpost[#2 (#2)]%
557 {\texttt{#2} (\protect\tstidxcsfmt{#2})}[#2]{#1}{\texttt{#2}}%
558 \tstsubindexpost{encap}[#2]{\texttt{#2}}[encap.#2]{#1}{}%
559 }
560 \fi

```

`tstidxopencsn` As above but starts a range.

```

561 \if@tstidx@use@encaps
562 \newcommand*{\tstidxopencsn}[2][tstidxencapi]{%
563 \tstindexopenpost[#2 (#2)]%
564 {\texttt{#2} (\protect\tstidxcsfmt{#2})}[#1]{\texttt{#2}}%
565 }
566 \else
567 \newcommand*{\tstidxopencsn}[2][]{%
568 \tstindexopenpost[#2 (#2)]%
569 {\texttt{#2} (\protect\tstidxcsfmt{#2})}[#1]{\texttt{#2}}%
570 }
571 \fi

```

`tstidxclosecsn` As above but ends a range.

```

572 \if@tstidx@use@encaps
573 \newcommand*{\tstidxclosecsn}[2][tstidxencapi]{%
574 \tstindexclosepost[#2 (#2)]%
575 {\texttt{#2} (\protect\tstidxcsfmt{#2})}[#1]{\texttt{#2}}%
576 }
577 \else
578 \newcommand*{\tstidxclosecsn}[2][]{%
579 \tstindexclosepost[#2 (#2)]%
580 {\texttt{#2} (\protect\tstidxcsfmt{#2})}[#1]{\texttt{#2}}%
581 }
582 \fi

```

`\tstidxenvfmt` Display an environment name.

```
583 \newcommand*{\tstidxenvfmt}[1]{\texttt{#1}}
```

`\tstidxenv` Display and index an environment name.

```

584 \if@tstidx@use@encaps
585 \newcommand*{\tstidxenv}[2][tstidxencapi]{%
586 \tstindexpost[#2 environment]%
587 {\protect\tstidxenvfmt{#2} environment}[#2environment]{#1}%
588 {\tstidxenvfmt{#2}}%
589 }
590 \else
591 \newcommand*{\tstidxenv}[2][]{%
592 \tstindexpost[#2 environment]%
593 {\protect\tstidxenvfmt{#2} environment}[#2environment]{#1}%

```

```

594     {\tstidxenvfmt{#2}}%
595   }
596 \fi

```

`tstidxopenenv` As above but starts a range.

```

597 \if@tstidx@use@encaps
598   \newcommand*{\tstidxopenenv}[2][tstidxencapi]{%
599     \tstindexopenpost[#2 environment]%
600     {\protect\tstidxenvfmt{#2} environment}{#1}%
601     {\tstidxenvfmt{#2}}%
602   }
603 \else
604   \newcommand*{\tstidxopenenv}[2][]{%
605     \tstindexopenpost[#2 environment]%
606     {\protect\tstidxenvfmt{#2} environment}{#1}%
607     {\tstidxenvfmt{#2}}%
608   }
609 \fi

```

`tstidxcloseenv` As above but ends a range.

```

610 \if@tstidx@use@encaps
611   \newcommand*{\tstidxcloseenv}[2][tstidxencapi]{%
612     \tstindexclosepost[#2 environment]%
613     {\protect\tstidxenvfmt{#2} environment}{#1}%
614     {\tstidxenvfmt{#2}}%
615   }
616 \else
617   \newcommand*{\tstidxcloseenv}[2][]{%
618     \tstindexclosepost[#2 environment]%
619     {\protect\tstidxenvfmt{#2} environment}{#1}%
620     {\tstidxenvfmt{#2}}%
621   }
622 \fi

```

`\tstidxappfmt` Display an application name.

```

623 \newcommand*{\tstidxappfmt}[1]{\texttt{#1}}

```

`\tstidxapp` Display and index an application name.

```

624 \if@tstidx@use@encaps
625   \newcommand*{\tstidxapp}[2][tstidxencapi]{%
626     \tstidxfmtpost{#2}{\tstidxappfmt}{#1}%
627     \tstsubindexpost{applications}[#2]{\protect\tstidxappfmt{#2}}{#1}{}%
628   }
629 \else
630   \newcommand*{\tstidxapp}[2][]{%
631     \tstidxfmtpost{#2}{\tstidxappfmt}{#1}%
632     \tstsubindexpost{applications}[#2]{\protect\tstidxappfmt{#2}}{#1}{}%
633   }
634 \fi

```

tstidxopenapp As above but starts a range.

```
635 \if@tstidx@use@encaps
636 \newcommand*{\tstidxopenapp}[2][tstidxencapi]{%
637   \tstidxfmtopenpost{#2}{\tstidxappfmt}{#1}%
638   \tstsubindexopenpost{applications}[#2]{\protect\tstidxappfmt{#2}}{#1}{}%
639 }
640 \else
641 \newcommand*{\tstidxopenapp}[2][]{%
642   \tstidxfmtopenpost{#2}{\tstidxappfmt}{#1}%
643   \tstsubindexopenpost{applications}[#2]{\protect\tstidxappfmt{#2}}{#1}{}%
644 }
645 \fi
```

tstidxcloseapp As above but ends a range.

```
646 \if@tstidx@use@encaps
647 \newcommand*{\tstidxcloseapp}[2][tstidxencapi]{%
648   \tstidxfmtclosepost{#2}{\tstidxappfmt}{#1}%
649   \tstsubindexclosepost{applications}[#2]{\protect\tstidxappfmt{#2}}{#1}{}%
650 }
651 \else
652 \newcommand*{\tstidxcloseapp}[2][]{%
653   \tstidxfmtclosepost{#2}{\tstidxappfmt}{#1}%
654   \tstsubindexclosepost{applications}[#2]{\protect\tstidxappfmt{#2}}{#1}{}%
655 }
656 \fi
```

tstidxappoptfmt Display an application option.

```
657 \newcommand*{\tstidxappoptfmt}[1]{\texttt{#1}}
```

\tstidxappopt Display and index an application option.

```
658 \if@tstidx@use@encaps
659 \newcommand*{\tstidxappopt}[3][tstidxencapiiii]{%
660   \tstindexpost[#3 (#2)]%
661   {\protect\tstidxappoptfmt{#3} (\protect\tstidxappfmt{#2})}%
662   [#3.#2option]{#1}{\tstidxappoptfmt{#3}}%
663   \tstsubindexpost[#2]{\protect\tstidxappfmt{#2}}%
664   [#3]{\protect\tstidxappoptfmt{#3}}{#1}{}%
665   \tstsubsubindexpost{applications}[#2]{\protect\tstidxappfmt{#2}}%
666   [#3]{\protect\tstidxappoptfmt{#3}}{#1}{}%
667 }
668 \else
669 \newcommand*{\tstidxappopt}[3][]{%
670   \tstindexpost[#3 (#2)]%
671   {\protect\tstidxappoptfmt{#3} (\protect\tstidxappfmt{#2})}%
672   [#3.#2option]{#1}{\tstidxappoptfmt{#3}}%
673   \tstsubindexpost[#2]{\protect\tstidxappfmt{#2}}%
674   [#3]{\protect\tstidxappoptfmt{#3}}{#1}{}%
675   \tstsubsubindexpost{applications}[#2]{\protect\tstidxappfmt{#2}}%
676   [#3]{\protect\tstidxappoptfmt{#3}}{#1}{}%

```

```
677 }
678 \fi
```

`\tstidxopenappopt` As above but start a range.

```
679 \if@tstidx@use@encaps
680 \newcommand*{\tstidxopenappopt}[3][tstidxencapiii]{%
681 \tstsubindexopenpost[#2]{\protect\tstidxappfmt{#2}}%
682 [#3]{\protect\tstidxappoptfmt{#3}}{#1}{\tstidxappoptfmt{#3}}%
683 \tstsubsubindexopenpost{applications}[#2]%
684 {\protect\tstidxappfmt{#2}}%
685 [#3]{\protect\tstidxappoptfmt{#3}}{#1}{}}%
686 }
687 \else
688 \newcommand*{\tstidxopenappopt}[3][ ]{%
689 \tstsubindexopenpost[#2]{\protect\tstidxappfmt{#2}}%
690 [#3]{\protect\tstidxappoptfmt{#3}}{#1}{\tstidxappoptfmt{#3}}%
691 \tstsubsubindexopenpost{applications}[#2]%
692 {\protect\tstidxappfmt{#2}}%
693 [#3]{\protect\tstidxappoptfmt{#3}}{#1}{}}%
694 }
695 \fi
```

`\tstidxcloseappopt` As above but end a range.

```
696 \if@tstidx@use@encaps
697 \newcommand*{\tstidxcloseappopt}[3][tstidxencapiii]{%
698 \tstsubindexclosepost[#2]{\protect\tstidxappfmt{#2}}%
699 [#3]{\protect\tstidxappoptfmt{#3}}{#1}{\tstidxappoptfmt{#3}}%
700 \tstsubsubindexclosepost{applications}[#2]%
701 {\protect\tstidxappfmt{#2}}%
702 [#3]{\protect\tstidxappoptfmt{#3}}{#1}{}}%
703 }
704 \else
705 \newcommand*{\tstidxcloseappopt}[3][ ]{%
706 \tstsubindexclosepost[#2]{\protect\tstidxappfmt{#2}}%
707 [#3]{\protect\tstidxappoptfmt{#3}}{#1}{\tstidxappoptfmt{#3}}%
708 \tstsubsubindexclosepost{applications}[#2]%
709 {\protect\tstidxappfmt{#2}}%
710 [#3]{\protect\tstidxappoptfmt{#3}}{#1}{}}%
711 }
712 \fi
```

`\tstidxstyfmt` Display a package name.

```
713 \newcommand*{\tstidxstyfmt}[1]{\texttt{#1}}
```

`\tstindexstysee` Cross-reference one package with another.

```
714 \newcommand*{\tstindexstysee}[3]{%
715 \tstindexsee[#1package]{\protect\tstidxstyfmt{#1} package}{#2}%
716 [#3package]{\protect\tstidxstyfmt{#3}}%
717 }
```

`\tstidxsty` **Display and index a package name.**

```
718 \if@tstidx@use@encaps
719 \newcommand*\tstidxsty}[2][tstidxencapiii]{%
720 \tstindexpost[#2 package]%
721 {\protect\tstidxstyfmt{#2} package}[#2package]{#1}\tstidxstyfmt{#2}}%
722 \tstsubindexpost{packages}[#2 package]%
723 {\protect\tstidxstyfmt{#2} package}[packages.#2package]{#1}{}%
724 }
725 \else
726 \newcommand*\tstidxsty}[2][tstidxencapiii]{%
727 \tstindexpost[#2 package]%
728 {\protect\tstidxstyfmt{#2} package}[#2package]{#1}\tstidxstyfmt{#2}}%
729 \tstsubindexpost{packages}[#2 package]%
730 {\protect\tstidxstyfmt{#2} package}[packages.#2package]{#1}{}%
731 }
732 \fi
```

`tstidxopensty` **As above but starts a range.**

```
733 \if@tstidx@use@encaps
734 \newcommand*\tstidxopensty}[2][tstidxencapiii]{%
735 \tstindexopenpost[#2 package]{\protect\tstidxstyfmt{#2} package}[#2package]{#1}
736 {\tstidxstyfmt{#2}}%
737 \tstsubindexopenpost{packages}[#2 package]%
738 {\protect\tstidxstyfmt{#2} package}[packages.#2package]{#1}{}%
739 }
740 \else
741 \newcommand*\tstidxopensty}[2][tstidxencapiii]{%
742 \tstindexopenpost[#2 package]{\protect\tstidxstyfmt{#2} package}[#2package]{#1}
743 {\tstidxstyfmt{#2}}%
744 \tstsubindexopenpost{packages}[#2 package]%
745 {\protect\tstidxstyfmt{#2} package}[packages.#2package]{#1}{}%
746 }
747 \fi
```

`stidxclosesty` **As above but ends a range.**

```
748 \if@tstidx@use@encaps
749 \newcommand*\stidxclosesty}[2][tstidxencapiii]{%
750 \tstindexclosepost[#2 package]{\protect\tstidxstyfmt{#2} package}%
751 [#2package]{#1}%
752 {\tstidxstyfmt{#2}}%
753 \tstsubindexclosepost{packages}[#2 package]%
754 {\protect\tstidxstyfmt{#2} package}[packages.#2package]{#1}{}%
755 }
756 \else
757 \newcommand*\stidxclosesty}[2][tstidxencapiii]{%
758 \tstindexclosepost[#2 package]{\protect\tstidxstyfmt{#2} package}%
759 [#2package]{#1}%
760 {\tstidxstyfmt{#2}}%
761 \tstsubindexclosepost{packages}[#2 package]%

```



```

762     {\protect\tstidxstyfmt{#2} package}[packages.#2package]{#1}{}%
763   }
764 \fi

```

`\tstidxstyoptfmt` **Display a package option.**

```

765 \newcommand*{\tstidxstyoptfmt}[1]{\texttt{#1}}

```

`\tstidxstyopt` **Display and index a package option.**

```

766 \if@tstidx@use@encaps
767   \newcommand*{\tstidxstyopt}[3][tstidxencapiii]{%
768     \tstsubindexpost[#2 package]{\protect\tstidxstyfmt{#2} package}%
769     [#3]{\protect\tstidxstyoptfmt{#3}}{#1}{\tstidxstyoptfmt{#3}}%
770     \tstsubsubindexpost{packages}[#2 package]%
771     {\protect\tstidxstyfmt{#2} package}%
772     [#3]{\protect\tstidxstyoptfmt{#3}}{#1}{}%
773   }
774 \else
775   \newcommand*{\tstidxstyopt}[3][[]]{%
776     \tstsubindexpost[#2 package]{\protect\tstidxstyfmt{#2} package}%
777     [#3]{\protect\tstidxstyoptfmt{#3}}{#1}{\tstidxstyoptfmt{#3}}%
778     \tstsubsubindexpost{packages}[#2 package]%
779     {\protect\tstidxstyfmt{#2} package}%
780     [#3]{\protect\tstidxstyoptfmt{#3}}{#1}{}%
781   }
782 \fi

```

`\tstidxopenstyopt` **As above but start a range.**

```

783 \if@tstidx@use@encaps
784   \newcommand*{\tstidxopenstyopt}[3][tstidxencapiii]{%
785     \tstsubindexopenpost[#2 package]{\protect\tstidxstyfmt{#2} package}%
786     [#3]{\protect\tstidxstyoptfmt{#3}}{#1}{\tstidxstyoptfmt{#3}}%
787     \tstsubsubindexopenpost{packages}[#2 package]%
788     {\protect\tstidxstyfmt{#2} package}%
789     [#3]{\protect\tstidxstyoptfmt{#3}}{#1}{}%
790   }
791 \else
792   \newcommand*{\tstidxopenstyopt}[3][[]]{%
793     \tstsubindexopenpost[#2 package]{\protect\tstidxstyfmt{#2} package}%
794     [#3]{\protect\tstidxstyoptfmt{#3}}{#1}{\tstidxstyoptfmt{#3}}%
795     \tstsubsubindexopenpost{packages}[#2 package]%
796     {\protect\tstidxstyfmt{#2} package}%
797     [#3]{\protect\tstidxstyoptfmt{#3}}{#1}{}%
798   }
799 \fi

```

`\tstidxclosestyopt` **As above but end a range.**

```

800 \if@tstidx@use@encaps
801   \newcommand*{\tstidxclosestyopt}[3][tstidxencapiii]{%
802     \tstsubindexclosepost[#2 package]{\protect\tstidxstyfmt{#2} package}%

```

```

803     [#3]{\protect\tstidxstyoptfmt{#3}}{#1}{\tstidxstyoptfmt{#3}}%
804     \tstsubsubindexclosepost{packages}[#2 package]%
805     {\protect\tstidxstyfmt{#2} package}%
806     [#3]{\protect\tstidxstyoptfmt{#3}}{#1}{}%
807   }
808 \else
809   \newcommand*\tstidxclosestyopt}[3][[]]{%
810     \tstsubindexclosepost[#2 package]{\protect\tstidxstyfmt{#2} package}%
811     [#3]{\protect\tstidxstyoptfmt{#3}}{#1}{\tstidxstyoptfmt{#3}}%
812     \tstsubsubindexclosepost{packages}[#2 package]%
813     {\protect\tstidxstyfmt{#2} package}%
814     [#3]{\protect\tstidxstyoptfmt{#3}}{#1}{}%
815   }
816 \fi

```

`\tstidxword` **Display and index a word.**

```

817 \newcommand*\tstidxword}[2][[]]{%
818   \tstindexpost{#2}{#1}{#2}%
819 }

```

`\tstidxwordpl` **Display the plural and index the singular. This just appends “s” for convenience. The testidx-glossaries package uses `\glspl` instead.**

```

820 \newcommand*\tstidxwordpl}[1][[]]{\@tstidxwordpl{#1}}
821 \newcommand*\@tstidxwordpl}[2]{\tstidxword[#1]{#2}s}

```

`\tstidxopenword` **As above but starts a range.**

```

822 \newcommand*\tstidxopenword}[2][[]]{%
823   \tstindexopenpost{#2}{#1}{#2}%
824 }

```

`\tstidxcloseword` **As above but ends a range.**

```

825 \newcommand*\tstidxcloseword}[2][[]]{%
826   \tstindexclosepost{#2}{#1}{#2}%
827 }

```

`\tstidxsubword` `\tstidxsubword[<encap>]{<main-entry>}{<word>}`

**Display and index a word as a sub-entry.**

```

828 \newcommand*\tstidxsubword}[3][[]]{%
829   \tstsubindexpost{#2}{#3}{#1}{#3}%
830 }

```

`\tstidxnumber` **Display and index a word.**

```

831 \if@tstidx@use@encaps
832   \newcommand*\tstidxnumber}[2][tstidxencapiii]{%
833     \tstindexpost{#2}{#1}{#2}%
834   }

```

```

835 \else
836   \newcommand*\tstidxnumber}[2][]{%
837     \tstindexpost{#2}{#1}{#2}%
838   }
839 \fi

```

`\tstidxphrase` **Display and index a phrase.**

```

840 \newcommand*\tstidxphrase}[2][]{%
841   \tstindexpre{#2}{#1}{#2}%
842 }

```

`\tstidxphrasepl` **Display the plural and index the singular of a phrase. This just appends “s” for convenience. The `testidx-glossaries` package uses `\glspl` instead.**

```

843 \newcommand*\tstidxphrasepl}[1][]{\@tstidxphrasepl{#1}}
844 \newcommand*\@tstidxphrasepl}[2]{\tstidxphrase[#1]{#2}s}

```

`\tstidxopenphrase` **As above but starts a range.**

```

845 \newcommand*\tstidxopenphrase}[2][]{%
846   \tstindexopenpre{#2}{#1}{#2}%
847 }

```

`\tstidxclosephrase` **As above but ends a range.**

```

848 \newcommand*\tstidxclosephrase}[2][]{%
849   \tstindexclosepre{#2}{#1}{#2}%
850 }

```

`\tstidxartphrase` `\tstidxartphrase[(encap)]{(article)}{(remainder)}`

**Display and index a phrase that starts with (in)definite article.**

```

851 \newcommand*\tstidxartphrase}[3][]{%
852   \tstindexpost{#3, #2}[#3]{#1}{#2 #3}%
853 }

```

`\tstidxopenartphrase` **As above but starts a range.**

```

854 \newcommand*\tstidxopenartphrase}[3][]{%
855   \tstindexopenpost{#3, #2}[#3]{#1}{#2 #3}%
856 }

```

`\tstidxcloseartphrase` **As above but ends a range.**

```

857 \newcommand*\tstidxcloseartphrase}[3][]{%
858   \tstindexclosepost{#3, #2}[#3]{#1}{#2 #3}%
859 }

```

`\tstidxperson` **Display and index a person’s name.**

```

860 \newcommand*\tstidxperson}[3][]{%
861   \tstidxutfperson[#1]{#2}{#3}{#2}{#3}%
862 }

```

idxopenperson As above but starts a range.

```
863 \newcommand*{\tstidxopenperson}[3][ ]{%
864   \tstidxutfopenperson[#1]{#2}{#3}{#2}{#3}%
865 }
```

idxcloseperson As above but ends a range.

```
866 \newcommand*{\tstidxcloseperson}[3][ ]{%
867   \tstidxutfcloseperson[#1]{#2}{#3}{#2}{#3}%
868 }
```

stidxutfperson

```
\tstidxutfperson[encap]{ascii forename}{ascii surname}
[label]{utf8 forname}utf8 surname
```

Display and index a person's name with UTF-8 characters.

```
869 \newcommand*{\tstidxutfperson}[3][ ]{%
870   \@ifnextchar[{\@tstidxutfperson{#1}{#2}{#3}}%
871   {\@tstidxutfperson{#1}{#2}{#3}[#2#3]}%
872 }
873 \def\@tstidxutfperson#1#2#3[#4]#5#6{%
874   \@tstidx@ifutfviii
875   {%
876     \tstidxutfpost[#5 #6]{#3, #2}[#4]{#6, #5}{#1}%
877   }%
878   {%
879     \tstidxutfpost[#2 #3]{#3, #2}[#4]{#6, #5}{#1}%
880   }%
881   \tstidxutfsubpost[\relax]{people}{people}{#3, #2}[people.#4]{#6, #5}{#1}%
882 }
```

openutfperson As above but starts a range.

```
883 \newcommand*{\tstidxutfopenperson}[3][ ]{%
884   \@ifnextchar[{\@tstidxutfopenperson{#1}{#2}{#3}}%
885   {\@tstidxutfopenperson{#1}{#2}{#3}[#2#3]}%
886 }
887 \def\@tstidxutfopenperson#1#2#3[#4]#5#6{%
888   \@tstidx@ifutfviii
889   {%
890     \tstidxutfopenpost[#5 #6]{#3, #2}[#4]{#6, #5}{#1}%
891   }%
892   {%
893     \tstidxutfopenpost[#2 #3]{#3, #2}[#4]{#6, #5}{#1}%
894   }%
895 }
```

loseutfperson As above but ends a range.

```
896 \newcommand*{\tstidxutfcloseperson}[3][ ]{%
897   \@ifnextchar[{\@tstidxutfcloseperson{#1}{#2}{#3}}%
```

```

898  {\@tstidxutfcloseperson{#1}{#2}{#3}[#2#3]}%
899 }
900 \def\@tstidxutfcloseperson#1#2#3[#4]#5#6{%
901  \@tstidx@ifutfviii
902  {%
903    \tstidxutfclosepost[#5 #6]{#3, #2}[#4]{#6, #5}{#1}%
904  }%
905  {%
906    \tstidxutfclosepost[#2 #3]{#3, #2}[#4]{#6, #5}{#1}%
907  }%
908 }

```

`\tstidxsym` `\tstidxsym[encap]{sort}[label]{indexed symbol}`

Display and index a symbol.

```

909 \newcommand*\tstidxsym[2][ ]{%
910  \@ifnextchar[{\@tstidxsym{#1}{#2}}{\@tstidxsym{#1}{#2}[#2]}%
911 }
912 \def\@tstidxsym#1#2[#3]#4{%
913  \tstindexpost[#2]{\protect#4}[#3]{#1}{#4}%
914 }

```

`\tstidxopensym` `\tstidxopensym[encap]{sort}[label]{indexed symbol}`

As above but starts a range.

```

915 \newcommand*\tstidxopensym[2][ ]{%
916  \@ifnextchar[{\@tstidxopensym{#1}{#2}}{\@tstidxopensym{#1}{#2}[ ]}%
917 }
918 \def\@tstidxopensym#1#2[#3]#4{%
919  \tstindexopenpost[#2]{\protect#4}[#3]{#1}{#4}%
920 }

```

`\tstidxclosesym` `\tstidxclosesym[encap]{sort}[label]{indexed symbol}`

As above but ends a range.

```

921 \newcommand*\tstidxclosesym[2][ ]{%
922  \@ifnextchar[{\@tstidxclosesym{#1}{#2}}{\@tstidxclosesym{#1}{#2}[ ]}%
923 }
924 \def\@tstidxclosesym#1#2[#3]#4{%
925  \tstindexclosepost[#2]{\protect#4}[#3]{#1}{#4}%
926 }

```

`\dxindexmarker`

```

927 \newcommand{\tstidxindexmarker}[1]{%

```

```

928 \iftestidxprefix
929   \expandafter\tstidxsym\expandafter
930   {\tstidxindexmarkerprefix#1}[#1]{\csname#1\endcsname
931     \protect\space (\protect\tstidxcsfmt{#1})}%
932 \else
933   \tstidxsym{#1}[#1]{\csname#1\endcsname
934     \protect\space (\protect\tstidxcsfmt{#1})}%
935 \fi
936 }

```

xmarkerprefix

```

937 \newcommand*{\tstidxindexmarkerprefix}{<}

```

`\tstidxmath` `\tstidxmath[⟨encap⟩]{⟨sort⟩}[⟨label⟩]{⟨entry⟩}`

Display and index something in maths-mode.

```

938 \if@tstidx@use@encaps
939   \newcommand*{\tstidxmath}[2][tstidxencapii]{%
940     \@ifnextchar[{\@tstidxmath{#1}{#2}}{\@tstidxmath{#1}{#2}[#2]}%
941   }
942 \else
943   \newcommand*{\tstidxmath}[2][]{%
944     \@ifnextchar[{\@tstidxmath{#1}{#2}}{\@tstidxmath{#1}{#2}[#2]}%
945   }
946 \fi
947 \def\@tstidxmath#1#2[#3]#4{%
948   \tstindexpre[#2]{$#4$}[#3]{#1}{#4}%
949 }

```

`\tstidxmathsym` `\tstidxmathsym[⟨encap⟩]{⟨sort⟩}[⟨label⟩]{⟨entry⟩}`

Inserts a prefix before `⟨sort⟩`.

```

950 \if@tstidx@use@encaps
951   \newcommand*{\tstidxmathsym}[2][tstidxencapii]{%
952     \@ifnextchar[{\@tstidxmathsym{#1}{#2}}{\@tstidxmathsym{#1}{#2}[#2]}%
953   }
954 \else
955   \newcommand*{\tstidxmathsym}[2][]{%
956     \@ifnextchar[{\@tstidxmathsym{#1}{#2}}{\@tstidxmathsym{#1}{#2}[#2]}%
957   }
958 \fi
959 \def\@tstidxmathsym#1#2[#3]#4{%
960   \iftestidxprefix
961     \expandafter\tstindexpre\expandafter
962     [\tstidxmathsymprefix#2]{$#4$}[#3]{#1}{#4}%
963   \else

```

```

964 \tstindexpre[#2]{$#4$}[#3]{#1}{#4}%
965 \fi
966 }

```

mathsymprefix

```

967 \newcommand*\tstidxmathsymprefix{>}

```

\tstidxutfword

```
\tstidxutfword[⟨encap⟩]{⟨ascii⟩}[⟨label⟩]{⟨utf8⟩}
```

Display and index a word with UTF-8 characters. The *⟨label⟩* is needed for testidx-glossaries.

```

968 \newcommand*\tstidxutfword[2][ ]{%
969   \@ifnextchar[{\@tstidxutfword{#1}{#2}}{\@tstidxutfword{#1}{#2}[#2]}%
970 }

```

tstidxutfword

```

971 \def\@tstidxutfword#1#2[#3]#4{%
972   \tstidxutfpost{#2}[#3]{#4}{#1}%
973 }

```

\tstidxgphword

```
\tstidxutfword[⟨encap⟩]{⟨ascii⟩}{⟨label⟩}{⟨utf8⟩}{⟨utf8 with digraph⟩}
```

Display and index a word with UTF-8 characters with alternative form that uses a glyph for the digraph.

```

974 \newcommand*\tstidxgphword[2][ ]{%
975   \@ifnextchar[{\@tstidxgphword{#1}{#2}}{\@tstidxgphword{#1}{#2}[#2]}%
976 }
977 \def\@tstidxgphword#1#2[#3]#4#5{%
978   \iftstidxdiglyphs
979     \tstidxutfpost{#2}[#3]{#5}{#1}%
980   \else
981     \tstidxutfpost{#2}[#3]{#4}{#1}%
982   \fi
983 }

```

\tstidxopenutf

```
\tstidxopenutf[⟨encap⟩]{⟨sort⟩}{⟨ascii⟩}{⟨utf8⟩}
```

As above but starts a range.

```

984 \newcommand*\tstidxopenutf[4][ ]{%
985   \tstidxutfopenpost{#2}{#3}{#1}%
986 }

```

tstidxcloseutf

```
\tstidxcloseutf[⟨encap⟩]{⟨sort⟩}{⟨ascii⟩}{⟨utf8⟩}
```

As above but ends a range.

```
987 \newcommand*{\tstidxcloseutf}[4][ ]{%
988   \tstidxutfclosepost{#2}{#3}{#1}%
989 }
```

\tstidxutfphrase [*encap*] [*ascii*] [*label*] [*utf8*]

Display and index a phrase with UTF-8 characters.

```
990 \newcommand*{\tstidxutfphrase}[2][ ]{%
991   \@ifnextchar[{\@tstidxutfphrase{#1}{#2}}{\@tstidxutfphrase{#1}{#2}[#2]}%
992 }
993 \def\@tstidxutfphrase#1#2[#3]#4{%
994   \tstidxutfpre{#2}[#3]{#4}{#1}%
995 }
```

\tstidxopenutfphrase [*encap*] [*ascii*] [*utf8*]

As above but starts a range.

```
996 \newcommand*{\tstidxopenutfphrase}[3][ ]{%
997   \tstidxutfopenpre{#2}{#3}{#1}%
998 }
```

\tstidxcloseutf [*encap*] [*ascii*] [*utf8*]

As above but ends a range.

```
999 \newcommand*{\tstidxcloseutfphrase}[3][ ]{%
1000   \tstidxutfclosepre{#2}{#3}{#1}%
1001 }
```

\tstidxplace Display and index a place name.

```
1002 \newcommand*{\tstidxplace}[2][ ]{%
1003   \tstidxutfplace[#1]{#2}{#2}%
1004 }
```

\tstidxutfplace [*encap*] [*ascii*] [*label*] [*utf8*]

Display and index a word with UTF-8 characters.

```
1005 \newcommand*{\tstidxutfplace}[2][ ]{%
1006   \@ifnextchar[{\@tstidxutfplace{#1}{#2}}{\@tstidxutfplace{#1}{#2}[#2]}%
1007 }
1008 \def\@tstidxutfplace#1#2[#3]#4{%
1009   \tstidxutfpost{#2}[#3]{#4}{#1}%
1010   \tstidxutfsubpost[\relax]{places}{places}{#2}[places.#3]{#4}{#1}%
1011 }
```



```

stidxartplace  Display and index a place name that starts with an article.
1012 \newcommand*{\tstidxartplace}[3][]{%
1013   \tstindexpost{#3, #2}[#3]{#1}{#2 #3}%
1014   \tstidxutfsubpost[\relax]{places}{places}{#3, #2}[places.#3]{#3, #2}{#1}%
1015 }

stidxbookfmt  Display an book title.
1016 \newcommand*{\tstidxbookfmt}[1]{\emph{#1}}

\tstidxbook  Display and index a book title.
1017 \if@tstidx@use@encaps
1018   \newcommand*{\tstidxbook}[2][tstidxencapii]{%
1019     \tstindexpost[#2]{\protect\tstidxbookfmt{#2}}[#2]{#1}{\tstidxbookfmt{#2}}%
1020     \tstsubindexpost{books}[#2]{\protect\tstidxbookfmt{#2}}{#1}{}%
1021   }
1022 \else
1023   \newcommand*{\tstidxbook}[2][]{%
1024     \tstindexpost[#2]{\protect\tstidxbookfmt{#2}}[#2]{#1}{\tstidxbookfmt{#2}}%
1025     \tstsubindexpost{books}[#2]{\protect\tstidxbookfmt{#2}}{#1}{}%
1026   }
1027 \fi

stidxopenbook  As above but starts a range.
1028 \if@tstidx@use@encaps
1029   \newcommand*{\tstidxopenbook}[2][tstidxencapii]{%
1030     \tstindexopenpost[#2]{\protect\tstidxbookfmt{#2}}{#1}{\tstidxbookfmt{#2}}%
1031     \tstsubindexopenpost{books}[#2]{\protect\tstidxbookfmt{#2}}{#1}{}%
1032   }
1033 \else
1034   \newcommand*{\tstidxopenbook}[2][]{%
1035     \tstindexopenpost[#2]{\protect\tstidxbookfmt{#2}}{#1}{\tstidxbookfmt{#2}}%
1036     \tstsubindexopenpost{books}[#2]{\protect\tstidxbookfmt{#2}}{#1}{}%
1037   }
1038 \fi

tidxclosebook  As above but ends a range.
1039 \if@tstidx@use@encaps
1040   \newcommand*{\tstidxclosebook}[2][tstidxencapii]{%
1041     \tstindexclosepost[#2]{\protect\tstidxbookfmt{#2}}{#1}{\tstidxbookfmt{#2}}%
1042     \tstsubindexclosepost{books}[#2]{\protect\tstidxbookfmt{#2}}{#1}{}%
1043   }
1044 \else
1045   \newcommand*{\tstidxclosebook}[2][]{%
1046     \tstindexclosepost[#2]{\protect\tstidxbookfmt{#2}}{#1}{\tstidxbookfmt{#2}}%
1047     \tstsubindexclosepost{books}[#2]{\protect\tstidxbookfmt{#2}}{#1}{}%
1048   }
1049 \fi

```

```
\tstidxartbook \tstidxartbook[⟨encap⟩]{⟨article⟩}{⟨remainder⟩}
```

Display and index a book title that starts with (in)definite article.

```
1050 \if@tstidx@use@encaps
1051   \newcommand*\tstidxartbook}[3][tstidxencapii]{%
1052     \tstindexpost[#3, #2]{\protect\tstidxbookfmt{#3, #2}}[#3]{#1}{\tstidxbookfmt{#2
1053     \tstsubindexpost{books}[#3, #2]{\protect\tstidxbookfmt{#3, #2}}[books.#3]{#1}{}
1054   }
1055 \else
1056   \newcommand*\tstidxartbook}[3][]{%
1057     \tstindexpost[#3, #2]{\protect\tstidxbookfmt{#3, #2}}[#3]{#1}{\tstidxbookfmt{#2
1058     \tstsubindexpost{books}[#3, #2]{\protect\tstidxbookfmt{#3,
1059 #2}}[books.#3]{#1}{}}%
1060   }
1061 \fi
```

dxopenartbook As above but starts a range.

```
1062 \if@tstidx@use@encaps
1063   \newcommand*\tstidxopenartbook}[3][tstidxencapii]{%
1064     \tstindexopenpost[#3, #2]{\protect\tstidxbookfmt{#3, #2}}{#1}%
1065     {\tstidxbookfmt{#2 #3}}%
1066     \tstsubindexopenpost{books}[#3, #2]{\protect\tstidxbookfmt{#3, #2}}[books.#3]{#
1067   }
1068 \else
1069   \newcommand*\tstidxopenartbook}[3][]{%
1070     \tstindexopenpost[#3, #2]{\protect\tstidxbookfmt{#3, #2}}{#1}%
1071     {\tstidxbookfmt{#2 #3}}%
1072     \tstsubindexopenpost{books}[#3, #2]{\protect\tstidxbookfmt{#3, #2}}[books.#3]{#
1073   }
1074 \fi
```

xcloseartbook As above but ends a range.

```
1075 \if@tstidx@use@encaps
1076   \newcommand*\tstidxcloseartbook}[3][tstidxencapii]{%
1077     \tstindexclosepost[#3, #2]{\protect\tstidxbookfmt{#3, #2}}{#1}%
1078     {\tstidxbookfmt{#2 #3}}%
1079     \tstsubindexclosepost{books}[#3, #2]{\protect\tstidxbookfmt{#3, #2}}[books.#3]{
1080   }
1081 \else
1082   \newcommand*\tstidxcloseartbook}[3][]{%
1083     \tstindexclosepost[#3, #2]{\protect\tstidxbookfmt{#3, #2}}{#1}%
1084     {\tstidxbookfmt{#2 #3}}%
1085     \tstsubindexclosepost{books}[#3, #2]{\protect\tstidxbookfmt{#3, #2}}[books.#3]{
1086   }
1087 \fi
```

tstidxfilmfmt Display an film title.

```
1088 \newcommand*\tstidxfilmfmt}[1]{\emph{#1}}
```

`\tstidxfilm` **Display and index a film title.**

```
1089 \if@tstidx@use@encaps
1090   \newcommand*{\tstidxfilm}[2][tstidxencapii]{%
1091     \tstindexpost[#2]{\protect\tstidxfilmfmt{#2}}{#1}{\tstidxfilmfmt{#2}}%
1092     \tstsubindexpost{films}[#2]{\protect\tstidxfilmfmt{#2}}{#1}{}%
1093   }
1094 \else
1095   \newcommand*{\tstidxfilm}[2][]{%
1096     \tstindexpost[#2]{\protect\tstidxfilmfmt{#2}}{#1}{\tstidxfilmfmt{#2}}%
1097     \tstsubindexpost{films}[#2]{\protect\tstidxfilmfmt{#2}}{#1}{}%
1098   }
1099 \fi
```

`stidxopenfilm` **As above but starts a range.**

```
1100 \if@tstidx@use@encaps
1101   \newcommand*{\stidxopenfilm}[2][tstidxencapii]{%
1102     \tstindexopenpost[#2]{\protect\tstidxfilmfmt{#2}}{#1}{\tstidxfilmfmt{#2}}%
1103     \tstsubindexopenpost{films}[#2]{\protect\tstidxfilmfmt{#2}}{#1}{}%
1104   }
1105 \else
1106   \newcommand*{\stidxopenfilm}[2][]{%
1107     \tstindexopenpost[#2]{\protect\tstidxfilmfmt{#2}}{#1}{\tstidxfilmfmt{#2}}%
1108     \tstsubindexopenpost{films}[#2]{\protect\tstidxfilmfmt{#2}}{#1}{}%
1109   }
1110 \fi
```

`tidxclosefilm` **As above but ends a range.**

```
1111 \if@tstidx@use@encaps
1112   \newcommand*{\tidxclosefilm}[2][tstidxencapii]{%
1113     \tstindexclosepost[#2]{\protect\tstidxfilmfmt{#2}}{#1}{\tstidxfilmfmt{#2}}%
1114     \tstsubindexclosepost{films}[#2]{\protect\tstidxfilmfmt{#2}}{#1}{}%
1115   }
1116 \else
1117   \newcommand*{\tidxclosefilm}[2][]{%
1118     \tstindexclosepost[#2]{\protect\tstidxfilmfmt{#2}}{#1}{\tstidxfilmfmt{#2}}%
1119     \tstsubindexclosepost{films}[#2]{\protect\tstidxfilmfmt{#2}}{#1}{}%
1120   }
1121 \fi
```

`tstidxartfilm` **As above but the title starts with an article.**

```
1122 \if@tstidx@use@encaps
1123   \newcommand*{\tstidxartfilm}[3][tstidxencapii]{%
1124     \tstindexpost[#3, #2]{\protect\tstidxfilmfmt{#3, #2}}[#3]{#1}%
1125     {\tstidxfilmfmt{#2 #3}}%
1126     \tstsubindexpost{films}[#3, #2]{\protect\tstidxfilmfmt{#3,
1127 #2}}[films.#3]{#1}{}%
1128   }
1129 \else
1130   \newcommand*{\tstidxartfilm}[3][]{%

```

```

1131 \tstindexpost[#3, #2]{\protect\tstidxfilmfmt{#3, #2}}[#3]{#1}%
1132   {\tstidxfilmfmt{#2 #3}}%
1133 \tstsubindexpost{films}[#3, #2]{\protect\tstidxfilmfmt{#3, #2}}[films.#3]{#1}{%
1134 }
1135 \fi

```

## 6 Generic Indexing Test Commands

### 6.1 Top-Level Entries

The `\expandafter` stuff here is done to help simulate the user directly using `\index`.

`\tstindexpost`

```
\tstindexpost [<sort>] {<term>} [<label>] {<encap>} {<display>}
```

```

1136 \newcommand*{\tstindexpost}[2][ ]{%
1137   \@ifnextchar[{\@tstindexpost{#1}{#2}}{\@tstindexpost{#1}{#2}[ ]}%
1138 }%
1139 \def\@tstindexpost#1#2[#3]#4#5{%
1140   \def\@tstidx@sort{#1}%
1141   \def\@tstidx@encap{#4}%
1142   \ifx\@tstidx@sort\@empty
1143     \def\@tstidx@entry{#2}%
1144   \else
1145     \toks@{#1}%
1146     \edef\@tstidx@entry{\the\toks@\tstidxactual}%
1147     \expandafter\def\expandafter\@tstidx@entry\expandafter{\@tstidx@entry#2}%
1148   \fi
1149   \ifx\@tstidx@encap\@empty
1150     \iftestidxshowmarks
1151       \tstidxtext{#5\tstidxmarker}%
1152     \else
1153       #5%
1154     \fi
1155   \else
1156     \iftestidxshowmarks
1157       \tstidxtext{\tstidxencaptext{#4}{#5\tstidxmarker}}%
1158     \else
1159       #5%
1160     \fi
1161     \expandafter\toks@\expandafter{\@tstidx@entry}%
1162     \edef\@tstidx@entry{\the\toks@\tstidxencap#4}%
1163   \fi
1164   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1165 }

```

`\indexopenpost` As previous but starts a range.

```
1166 \newcommand*{\tstindexopenpost}[2][ ]{%
```

```

1167 \@ifnextchar[{\@tstindexopenpost{#1}{#2}}{\@tstindexopenpost{#1}{#2}[]}]%
1168 \def\@tstindexopenpost#1#2[#3]#4#5{%
1169 \def\@tstidx@sort{#1}%
1170 \def\@tstidx@encap{#4}%
1171 \ifx\@tstidx@sort\@empty
1172 \def\@tstidx@entry{#2}%
1173 \else
1174 \toks@{#1}%
1175 \edef\@tstidx@entry{\the\toks@\tstidxactual}%
1176 \expandafter\def\expandafter\@tstidx@entry\expandafter{\@tstidx@entry#2}%
1177 \fi
1178 \ifx\@tstidx@encap\@empty
1179 \iftestidxshowmarks
1180 \tstidxtext{#5\tstidxopenmarker}%
1181 \else
1182 #5%
1183 \fi
1184 \expandafter\toks@\expandafter{\@tstidx@entry}%
1185 \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxopenrange}%
1186 \else
1187 \iftestidxshowmarks
1188 \tstidxtext{\tstidxencapttext{#4}{#5\tstidxopenmarker}}%
1189 \else
1190 #5%
1191 \fi
1192 \expandafter\toks@\expandafter{\@tstidx@entry}%
1193 \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxopenrange#4}%
1194 \fi
1195 \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1196 }

```

ndexclosepost As previous but ends a range.

```

1197 \newcommand*{\tstindexclosepost}[2][]{%
1198 \ifnextchar[{\@tstindexclosepost{#1}{#2}}{\@tstindexclosepost{#1}{#2}[]}]%
1199 \def\@tstindexclosepost#1#2[#3]#4#5{%
1200 \def\@tstidx@sort{#1}%
1201 \def\@tstidx@encap{#4}%
1202 \ifx\@tstidx@sort\@empty
1203 \def\@tstidx@entry{#2}%
1204 \else
1205 \toks@{#1}%
1206 \edef\@tstidx@entry{\the\toks@\tstidxactual}%
1207 \expandafter\def\expandafter\@tstidx@entry\expandafter{\@tstidx@entry#2}%
1208 \fi
1209 \ifx\@tstidx@encap\@empty
1210 \iftestidxshowmarks
1211 \tstidxtext{#5\tstidxclosemarker}%
1212 \else
1213 #5%

```

```

1214 \fi
1215 \expandafter\toks@\expandafter{\@tstidx@entry}%
1216 \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxcloserange}%
1217 \else
1218 \iftestidxshowmarks
1219 \tstidxtext{\tstidxencaptext{#4}{#5\tstidxclosemarker}}%
1220 \else
1221 #5%
1222 \fi
1223 \expandafter\toks@\expandafter{\@tstidx@entry}%
1224 \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxcloserange#4}%
1225 \fi
1226 \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1227 }

```

\tstindexpre `\tstindexpre [<sort>]{<term>}[<label>]{<encap>}{<display>}`

```

1228 \newcommand*{\tstindexpre}[2][[]]{%
1229 \@ifnextchar[{\@tstindexpre{#1}{#2}}{\@tstindexpre{#1}{#2}[]]}%
1230 \def\@tstindexpre#1#2[#3]#4#5{%
1231 \def\@tstidx@sort{#1}%
1232 \def\@tstidx@encap{#4}%
1233 \ifx\@tstidx@sort\@empty
1234 \def\@tstidx@entry{#2}%
1235 \else
1236 \toks@{#1}%
1237 \edef\@tstidx@entry{\the\toks@\tstidxactual}%
1238 \expandafter\def\expandafter\@tstidx@entry\expandafter{\@tstidx@entry#2}%
1239 \fi
1240 \ifx\@tstidx@encap\@empty
1241 \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1242 \iftestidxshowmarks
1243 \tstidxtext{\tstidxmarker#5}%
1244 \else
1245 #5%
1246 \fi
1247 \else
1248 \expandafter\toks@\expandafter{\@tstidx@entry}%
1249 \edef\@tstidx@entry{\the\toks@\tstidxencap#4}%
1250 \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1251 \iftestidxshowmarks
1252 \tstidxtext{\tstidxencaptext{#4}{\tstidxmarker#5}}%
1253 \else
1254 #5%
1255 \fi
1256 \fi
1257 }

```

tindexopenpre As previous but starts a range.

```
1258 \newcommand*{\tstindexopenpre}[2][ ]{%
1259   \@ifnextchar[{\@tstindexopenpre{#1}{#2}}{\@tstindexopenpre{#1}{#2}[ ]}}%
1260 \def\@tstindexopenpre#1#2[#3]#4#5{%
1261   \def\@tstidx@sort{#1}%
1262   \def\@tstidx@encap{#4}%
1263   \ifx\@tstidx@sort\@empty
1264     \def\@tstidx@entry{#2}%
1265   \else
1266     \toks@{#1}%
1267     \edef\@tstidx@entry{\the\toks@\tstidxactual}%
1268     \expandafter\def\expandafter\@tstidx@entry\expandafter{\@tstidx@entry#2}%
1269   \fi
1270   \ifx\@tstidx@encap\@empty
1271     \expandafter\toks@\expandafter{\@tstidx@entry}%
1272     \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxopenrange}%
1273     \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1274     \iftestidxshowmarks
1275       \tstidxtext{\tstidxopenmarker#5}%
1276     \else
1277       #5%
1278     \fi
1279   \else
1280     \expandafter\toks@\expandafter{\@tstidx@entry}%
1281     \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxopenrange#4}%
1282     \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1283     \iftestidxshowmarks
1284       \tstidxtext{\tstidxencaptext{#4}{\tstidxopenmarker#5}}%
1285     \else
1286       #5%
1287     \fi
1288   \fi
1289 }
```

indexclosepre As previous but ends a range.

```
1290 \newcommand*{\tstindexclosepre}[2][ ]{%
1291   \@ifnextchar[{\@tstindexclosepre{#1}{#2}}{\@tstindexclosepre{#1}{#2}[ ]}}%
1292 \def\@tstindexclosepre#1#2[#3]#4#5{%
1293   \def\@tstidx@sort{#1}%
1294   \def\@tstidx@encap{#4}%
1295   \ifx\@tstidx@sort\@empty
1296     \def\@tstidx@entry{#2}%
1297   \else
1298     \toks@{#1}%
1299     \edef\@tstidx@entry{\the\toks@\tstidxactual}%
1300     \expandafter\def\expandafter\@tstidx@entry\expandafter{\@tstidx@entry#2}%
1301   \fi
1302   \ifx\@tstidx@encap\@empty
1303     \expandafter\toks@\expandafter{\@tstidx@entry}%

```

```

1304 \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxcloserange}%
1305 \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1306 \iftestidxshowmarks
1307   \tstidxtext{\tstidxclosemarker#5}%
1308 \else
1309   #5%
1310 \fi
1311 \else
1312 \expandafter\toks@\expandafter{\@tstidx@entry}%
1313 \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxcloserange#4}%
1314 \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1315 \iftestidxshowmarks
1316   \tstidxtext{\tstidxencapttext{#4}{\tstidxclosemarker#5}}%
1317 \else
1318   #5%
1319 \fi
1320 \fi
1321 }

```

`stidxseeencap` Allow customization of cross-reference encaps.

```

1322 \newcommand*{\@tstidxseeencap}[1]{%
1323 \ifundefined{tstidx@#1@encapname}{#1}{\csname tstidx@#1@encapname\endcsname}%
1324 }

```

`dxSetSeeEncap`

```

1325 \newcommand*{\tstidxSetSeeEncap}[1]{%
1326 \@namedef{tstidx@see@encapname}{#1}%
1327 }

```

`tSeeAlsoEncap`

```

1328 \newcommand*{\tstidxSetSeeAlsoEncap}[1]{%
1329 \@namedef{tstidx@seealso@encapname}{#1}%
1330 }

```

<code>\tstindexsee</code>	<code>\tstindexsee [⟨sort⟩] {⟨term⟩} [⟨label⟩] {⟨see cs⟩} [⟨xr-labels⟩] {⟨cross-reference⟩}</code>
---------------------------	--

```

1331 \newcommand*{\tstindexsee}[2][ ]{%
1332 \ifnextchar[{\@tstindex@see{#1}{#2}}{\@tstindex@see{#1}{#2}[ ]}}%
1333 \def\@tstindex@see#1#2[#3]#4{%
1334 \ifnextchar[{\@tstindexsee{#1}{#2}{#3}{#4}}{\@tstindexsee{#1}{#2}{#3}{#4}[ ]}}%
1335 \def\@tstindexsee#1#2#3#4[#5]#6{%
1336 \def\@tstidx@sort{#1}%
1337 \def\@tstidx@entry{#2}%
1338 \ifx\@tstidx@sort\@empty
1339 \@tstidx@ifutfviii
1340 {%

```



```

1341     \tstidxprocessutf{\@tstidx@entry}{#2}%
1342 }%
1343 {%
1344     \def\@tstidx@sort{#2}%
1345     \tstidxprocessasciisort{\@tstidx@sort}{#2}%
1346     \ifx\@tstidx@sort\@tstidx@entry
1347     \else
1348         \expandafter\toks@\expandafter{\@tstidx@sort}%
1349         \edef\@tstidx@entry{\the\toks@\tstidxactual}%
1350         \expandafter\def\expandafter\@tstidx@entry\expandafter
1351             {\@tstidx@entry#2}%
1352     \fi
1353 }%
1354 \else
1355     \@tstidx@ifutfviii
1356     {%
1357         \expandafter\tstidxprocessutf\expandafter\@tstidx@sort
1358         \expandafter{\@tstidx@sort}%
1359     }%
1360     {%
1361         \expandafter\tstidxprocessasciisort\expandafter\@tstidx@sort
1362         \expandafter{\@tstidx@sort}%
1363     }%
1364     \expandafter\toks@\expandafter{\@tstidx@sort}%
1365     \edef\@tstidx@entry{\the\toks@\tstidxactual}%
1366     \expandafter\def\expandafter\@tstidx@entry\expandafter{\@tstidx@entry#2}%
1367 \fi
1368 \expandafter\toks@\expandafter{\@tstidx@entry}%
1369 \protected@edef\@tstidx@entry{\the\toks@\tstidxencap
1370 \@tstidxseencap{#4}{#6}}%
1371 \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1372 \iftestidxshowmarks
1373     \tstidxseeref{#2}{#4}{#6}%
1374 \fi
1375 }

```

tstindexutfsee

```

\pstindexutfsee[ascii sort]{ascii term}[utf sort] {utf
term}[label]{see cs}[xr-labels] {ascii cross-reference}
{utf cross-reference}

```

```

1376 \newcommand*{\tstindexutfsee}[2][ ]{%
1377     \@tstindexutfsee{#1}{#2}%
1378 }
1379 \newcommand*{\@tstindexutfsee}[2]{%
1380     \@ifnextchar[{\@tst@indexutfsee{#1}{#2}}{\@tst@indexutfsee{#1}{#2}[]}%
1381 }
1382 \def\@tst@indexutfsee#1#2[#3]#4{%
1383     \@ifnextchar[{\@tst@indexutfsee{#1}{#2}{#3}{#4}}%

```

```

1384  {\@tst@indexutfsee{#1}{#2}{#3}{#4}[]}%
1385 }
1386 \def\@tst@indexutfsee#1#2#3#4[#5]#6{%
1387  \ifnextchar[{\@tst@@indexutfsee{#1}{#2}{#3}{#4}{#5}{#6}}%
1388  {\@tst@@indexutfsee{#1}{#2}{#3}{#4}{#5}{#6}[]}%
1389 }
1390 \def\@tst@@indexutfsee#1#2#3#4#5#6[#7]#8#9{%
1391  \@tstidx@ifutfviii
1392  {%
1393   \@tstindexsee{#3}{#4}{#5}{#6}[#7]{#9}%
1394  }%
1395  {%
1396   \@tstindexsee{#1}{#2}{#5}{#6}[#7]{#8}%
1397  }%
1398 }

```

## 6.2 Sub-Entries

One sub-level.

stsubindexpost

```

\tstsubindexpost[{main sort}]{{main term}}[{sub sort}]{{sub term}}[{label}]{{encap}}{{text}}

```

```

1399 \newcommand*{\tstsubindexpost}[2][]{%
1400  \def\@tstidx@sort{#1}%
1401  \def\@tstidx@term{#2}%
1402  \@tst@subindexpost
1403 }
1404 \newcommand*{\@tst@subindexpost}[2][]{%
1405  \ifnextchar[{\@tstidx@subindexpost{#1}{#2}}{\@tstidx@subindexpost{#1}{#2}[]}%
1406  \def\@tstidx@subindexpost#1#2[#3]#4#5{%
1407   \def\@tstidx@subsort{#1}%
1408   \def\@tstidx@subterm{#2}%
1409   \def\@tstidx@encap{#4}%
1410   \ifx\@tstidx@sort\@empty
1411     \let\@tstidx@entry\@tstidx@term
1412   \else
1413     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@sort}\tstidxactual
1414       \unexpanded\expandafter{\@tstidx@term}}%
1415   \fi
1416   \ifx\@tstidx@subsort\@empty
1417     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1418       \unexpanded\expandafter{\@tstidx@subterm}}%
1419   \else
1420     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1421       \unexpanded\expandafter{\@tstidx@subsort}\tstidxactual
1422       \unexpanded\expandafter{\@tstidx@subterm}}%
1423   \fi

```

```

1424 \ifx\@tstidx@encap\@empty
1425   \iftestidxshowmarks
1426     \tstidxtext{#5\tstidxsubmarker}%
1427   \else
1428     #5%
1429   \fi
1430   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1431 \else
1432   \iftestidxshowmarks
1433     \tstidxtext{\tstidxencapttext{#4}{#5\tstidxsubmarker}}%
1434   \else
1435     #5%
1436   \fi
1437   \expandafter\toks@\expandafter{\@tstidx@entry}%
1438   \edef\@tstidx@entry{\the\toks@\tstidxencap#4}%
1439   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1440 \fi
1441 }

```

bindindexopenpost

<pre> \tstsubindexopenpost [<i>main sort</i>] {<i>main term</i>} [<i>sub sort</i>] {<i>sub term</i>} [<i>label</i>] {<i>encap</i>} {<i>text</i>} </pre>
---

```

1442 \newcommand*{\tstsubindexopenpost}[2][ ]{%
1443   \def\@tstidx@sort{#1}%
1444   \def\@tstidx@term{#2}%
1445   \@tst@subindexopenpost
1446 }
1447 \newcommand*{\@tst@subindexopenpost}[2][ ]{%
1448   \@ifnextchar[{\@tstidx@subindexopenpost{#1}{#2}}{\@tstidx@subindexopenpost{#1}{#2}}
1449 \def\@tstidx@subindexopenpost#1#2[#3]#4#5{%
1450   \def\@tstidx@subsort{#1}%
1451   \def\@tstidx@subterm{#2}%
1452   \def\@tstidx@encap{#4}%
1453   \ifx\@tstidx@sort\@empty
1454     \let\@tstidx@entry\@tstidx@term
1455   \else
1456     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@sort}\tstidxactual
1457       \unexpanded\expandafter{\@tstidx@term}}%
1458   \fi
1459   \ifx\@tstidx@subsort\@empty
1460     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1461       \unexpanded\expandafter{\@tstidx@subterm}}%
1462   \else
1463     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1464       \unexpanded\expandafter{\@tstidx@subsort}\tstidxactual
1465       \unexpanded\expandafter{\@tstidx@subterm}}%
1466   \fi
1467   \ifx\@tstidx@encap\@empty

```

```

1468 \iftstidxshowmarks
1469 \tstidxtext{#5\tstidxopensubmarker}%
1470 \else
1471 #5%
1472 \fi
1473 \expandafter\toks@\expandafter{\@tstidx@entry}%
1474 \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxopenrange}%
1475 \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1476 \else
1477 \iftstidxshowmarks
1478 \tstidxtext{\tstidxencapttext{#4}{#5\tstidxopensubmarker}}%
1479 \else
1480 #5%
1481 \fi
1482 \expandafter\toks@\expandafter{\@tstidx@entry}%
1483 \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxopenrange#4}%
1484 \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1485 \fi
1486 }

```

indexclosepost

```

\tstsubindexclosepost[⟨main sort⟩]{⟨main term⟩}[⟨sub sort⟩]{⟨sub
term⟩}[⟨label⟩]{⟨encap⟩}{⟨text⟩}

```

```

1487 \newcommand*{\tstsubindexclosepost}[2][ ]{%
1488 \def\@tstidx@sort{#1}%
1489 \def\@tstidx@term{#2}%
1490 \@tst@subindexclosepost
1491 }
1492 \newcommand*{\@tst@subindexclosepost}[2][ ]{%
1493 \@ifnextchar[{\@tstidx@subindexclosepost{#1}{#2}}{\@tstidx@subindexclosepost{#1}{#
1494 \def\@tstidx@subindexclosepost#1#2[#3]#4#5{%
1495 \def\@tstidx@subsort{#1}%
1496 \def\@tstidx@subterm{#2}%
1497 \def\@tstidx@encap{#4}%
1498 \ifx\@tstidx@sort\@empty
1499 \let\@tstidx@entry\@tstidx@term
1500 \else
1501 \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@sort}\tstidxactual
1502 \unexpanded\expandafter{\@tstidx@term}}%
1503 \fi
1504 \ifx\@tstidx@subsort\@empty
1505 \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1506 \unexpanded\expandafter{\@tstidx@subterm}}%
1507 \else
1508 \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1509 \unexpanded\expandafter{\@tstidx@subsort}\tstidxactual
1510 \unexpanded\expandafter{\@tstidx@subterm}}%
1511 \fi

```

```

1512 \ifx\@tstidx@encap\@empty
1513   \iftestidxshowmarks
1514     \tstidxtext{#5\tstidxclosesubmarker}%
1515   \else
1516     #5%
1517   \fi
1518   \expandafter\toks@\expandafter{\@tstidx@entry}%
1519   \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxcloserange}%
1520   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1521 \else
1522   \iftestidxshowmarks
1523     \tstidxtext{\tstidxencapttext{#4}{#5\tstidxclosesubmarker}}%
1524   \else
1525     #5%
1526   \fi
1527   \expandafter\toks@\expandafter{\@tstidx@entry}%
1528   \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxcloserange#4}%
1529   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1530 \fi
1531 }

```

tstsubindexpre

```

\tstsubindexpre[main sort]{main term}[sub sort]{sub term}
[label]{encap}{text}

```

```

1532 \newcommand*{\tstsubindexpre}[2][[]]{%
1533   \def\@tstidx@sort{#1}%
1534   \def\@tstidx@term{#2}%
1535   \@tst@subindexpre
1536 }
1537 \newcommand*{\@tst@subindexpre}[2][[]]{%
1538   \@ifnextchar[{\@tstidx@subindexpre{#1}{#2}}{\@tstidx@subindexpre{#1}{#2}[]}}%
1539 \def\@tstidx@subindexpre#1#2[#3]#4#5{%
1540   \def\@tstidx@subsort{#1}%
1541   \def\@tstidx@subterm{#2}%
1542   \def\@tstidx@encap{#4}%
1543   \ifx\@tstidx@sort\@empty
1544     \let\@tstidx@entry\@tstidx@term
1545   \else
1546     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@sort}\tstidxactual
1547       \unexpanded\expandafter{\@tstidx@term}}%
1548   \fi
1549   \ifx\@tstidx@subsort\@empty
1550     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1551       \unexpanded\expandafter{\@tstidx@subterm}}%
1552   \else
1553     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1554       \unexpanded\expandafter{\@tstidx@subsort}\tstidxactual
1555       \unexpanded\expandafter{\@tstidx@subterm}}%

```

```

1556 \fi
1557 \ifx\@tstidx@encap\@empty
1558   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1559   \iftestidxshowmarks
1560     \tstidxtext{#5\tstidxsubmarker}%
1561   \else
1562     #5%
1563   \fi
1564 \else
1565   \expandafter\toks@\expandafter{\@tstidx@entry}%
1566   \edef\@tstidx@entry{\the\toks@\tstidxencap#4}%
1567   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1568   \iftestidxshowmarks
1569     \tstidxtext{\tstidxencapttext{#4}{#5\tstidxsubmarker}}%
1570   \else
1571     #5%
1572   \fi
1573 \fi
1574 }

```

subindexopenpre

```

\tstsubindexopenpre[<main sort>]{<main term>}[<sub sort>]{<sub term>}{<label>}{<encap>}{<text>}

```

```

1575 \newcommand*{\tstsubindexopenpre}[2][ ]{%
1576   \def\@tstidx@sort{#1}%
1577   \def\@tstidx@term{#2}%
1578   \@tst@subindexopenpre
1579 }
1580 \newcommand*{\@tst@subindexopenpre}[2][ ]{%
1581   \@ifnextchar[{\@tstidx@subindexopenpre{#1}{#2}}{\@tstidx@subindexopenpre{#1}{#2}[ ]}
1582 \def\@tstidx@subindexopenpre#1#2[#3]#4#5{%
1583   \def\@tstidx@subsort{#1}%
1584   \def\@tstidx@subterm{#2}%
1585   \def\@tstidx@encap{#4}%
1586   \ifx\@tstidx@sort\@empty
1587     \let\@tstidx@entry\@tstidx@term
1588   \else
1589     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@sort}\tstidxactual
1590     \unexpanded\expandafter{\@tstidx@term}}%
1591   \fi
1592   \ifx\@tstidx@subsort\@empty
1593     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1594     \unexpanded\expandafter{\@tstidx@subterm}}%
1595   \else
1596     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1597     \unexpanded\expandafter{\@tstidx@subsort}\tstidxactual
1598     \unexpanded\expandafter{\@tstidx@subterm}}%
1599   \fi

```

```

1600 \ifx\@tstidx@encap\@empty
1601   \expandafter\toks@\expandafter{\@tstidx@entry}%
1602   \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxopenerange}%
1603   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1604   \iftestidxshowmarks
1605     \tstidxtext{\#5\tstidxopenerange}%
1606   \else
1607     \#5%
1608   \fi
1609 \else
1610   \expandafter\toks@\expandafter{\@tstidx@entry}%
1611   \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxopenerange#4}%
1612   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1613   \iftestidxshowmarks
1614     \tstidxtext{\tstidxencaptext{\#4}{\#5\tstidxopenerange}}%
1615   \else
1616     \#5%
1617   \fi
1618 \fi
1619 }

```

bindindexclosepre

```

\@tstsubindexclosepre[\@main sort]{\@main term}[\@sub sort]{\@sub
term}[\@label]{\@encap}{\@text}

```

```

1620 \newcommand*\@tstsubindexclosepre[2][ ]{%
1621   \def\@tstidx@sort{\#1}%
1622   \def\@tstidx@term{\#2}%
1623   \@tst@subindexclosepre
1624 }
1625 \newcommand*\@tst@subindexclosepre[2][ ]{%
1626   \@ifnextchar[{\@tstidx@subindexclosepre{\#1}{\#2}}{\@tstidx@subindexclosepre{\#1}{\#2}}
1627 \def\@tstidx@subindexclosepre#1#2[#3]#4#5{%
1628   \def\@tstidx@subsort{\#1}%
1629   \def\@tstidx@subterm{\#2}%
1630   \def\@tstidx@encap{\#4}%
1631   \ifx\@tstidx@sort\@empty
1632     \let\@tstidx@entry\@tstidx@term
1633   \else
1634     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@sort}\tstidxactual
1635     \unexpanded\expandafter{\@tstidx@term}}%
1636   \fi
1637   \ifx\@tstidx@subsort\@empty
1638     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1639     \unexpanded\expandafter{\@tstidx@subterm}}%
1640   \else
1641     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1642     \unexpanded\expandafter{\@tstidx@subsort}\tstidxactual
1643     \unexpanded\expandafter{\@tstidx@subterm}}%

```

```

1644 \fi
1645 \ifx\@tstidx@encap\@empty
1646   \expandafter\toks@\expandafter{\@tstidx@entry}%
1647   \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxcloserange}%
1648   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1649   \iftestidxshowmarks
1650     \tstidxtext{#5\tstidxclosesubmarker}%
1651   \else
1652     #5%
1653   \fi
1654 \else
1655   \expandafter\toks@\expandafter{\@tstidx@entry}%
1656   \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxcloserange#4}%
1657   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1658   \iftestidxshowmarks
1659     \tstidxtext{\tstidxencapttext{#4}{#5\tstidxclosesubmarker}}%
1660   \else
1661     #5%
1662   \fi
1663 \fi
1664 }

```

stindexsubsee

```

\stindexsubsee[<main sort>]{<main term>}[<sub sort>] {<sub term>}[<label>]{<cs name>}[<xr-labels>]{<text>}

```

```

1665 \newcommand*{\stindexsubsee}[2][ ]{%
1666   \def\@tstidx@sort{#1}%
1667   \def\@tstidx@term{#2}%
1668   \ifx\@tstidx@sort\@empty
1669     \def\@tstidx@entry{#2}%
1670   \else
1671     \toks@{#1}%
1672     \edef\@tstidx@entry{\the\toks@\tstidxactual}%
1673     \expandafter\def\expandafter\@tstidx@entry\expandafter{\@tstidx@entry#2}%
1674   \fi
1675   \@tstindexsubsee
1676 }

```

stindexsubsee

```

1677 \newcommand*{\@tstindexsubsee}[2][ ]{%
1678   \@ifnextchar[{\@tstidx@index@subsee{#1}{#2}}%
1679   {\@tstidx@index@subsee{#1}{#2}[ ]}%
1680 }%
1681 \def\@tstidx@index@subsee#1#2[#3]#4{%
1682   \@ifnextchar[{\@tstidx@indexsubsee{#1}{#2}{#3}{#4}}%
1683   {\@tstidx@indexsubsee{#1}{#2}{#3}{#4}[ ]}%
1684 }
1685 \def\@tstidx@indexsubsee#1#2#3#4[#5]#6{%

```



```

1686 \def\@tstidx@subsort{#1}%
1687 \ifx\@tstidx@subsort\@empty
1688   \toks@{#2}%
1689   \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}%
1690     \tstidxlevel\the\toks@}%
1691 \else
1692   \toks@{#1}%
1693   \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}%
1694     \tstidxlevel\the\toks@\tstidxactual}%
1695   \expandafter\def\expandafter\@tstidx@entry\expandafter{\@tstidx@entry#2}%
1696 \fi
1697 \expandafter\toks@\expandafter{\@tstidx@entry}%
1698 \edef\@tstidx@entry{\the\toks@\tstidxencap
1699   \@tstidxseeencap{#4}{#6}}%
1700 \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1701 \iftstidxshowmarks
1702   \tstidxsubseeref{\@tstidx@term}{#2}{#4}{#6}%
1703 \fi
1704 }

```

Two sub-levels.

ubsubindexpost

<pre> \tstsubsubindexpost[(<i>main sort</i>)]{(<i>main term</i>)}[(<i>sub sort</i>)]{(<i>sub term</i>)}[(<i>sub-sub sort</i>)]{(<i>sub-sub term</i>)}[(<i>label</i>)]{(<i>encap</i>)}{(<i>text</i>)} </pre>
---

```

1705 \newcommand*{\tstsubsubindexpost}[2][[]]{%
1706   \def\@tstidx@sort{#1}%
1707   \def\@tstidx@term{#2}%
1708   \@tst@subsubindexpost
1709 }
1710 \newcommand*{\@tst@subsubindexpost}[2][[]]{%
1711   \def\@tstidx@subsort{#1}%
1712   \def\@tstidx@subterm{#2}%
1713   \@@tst@subsubindexpost
1714 }
1715 \newcommand*{\@@tst@subsubindexpost}[2][[]]{%
1716   \@ifnextchar[{\@@tstidx@subsubindexpost{#1}{#2}}{%
1717     {\@@tstidx@subsubindexpost{#1}{#2}[]}}%
1718 \def\@@tstidx@subsubindexpost#1#2[#3]#4#5{%
1719   \def\@tstidx@subsubsort{#1}%
1720   \def\@tstidx@subsubterm{#2}%
1721   \def\@tstidx@encap{#4}%
1722   \ifx\@tstidx@sort\@empty
1723     \let\@tstidx@entry\@tstidx@term
1724   \else
1725     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@sort}\tstidxactual
1726       \unexpanded\expandafter{\@tstidx@term}}%
1727   \fi

```

```

1728 \ifx\@tstidx@subsort\@empty
1729   \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1730     \unexpanded\expandafter{\@tstidx@subterm}}%
1731 \else
1732   \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1733     \unexpanded\expandafter{\@tstidx@subsort}\tstidxactual
1734     \unexpanded\expandafter{\@tstidx@subterm}}%
1735 \fi
1736 \ifx\@tstidx@subsubsort\@empty
1737   \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1738     \unexpanded\expandafter{\@tstidx@subsubterm}}%
1739 \else
1740   \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1741     \unexpanded\expandafter{\@tstidx@subsubsort}\tstidxactual
1742     \unexpanded\expandafter{\@tstidx@subsubterm}}%
1743 \fi
1744 \ifx\@tstidx@encap\@empty
1745   \iftestidxshowmarks
1746     \tstidxtext{#5\tstidxsubsubmarker}%
1747   \else
1748     #5%
1749   \fi
1750   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1751 \else
1752   \iftestidxshowmarks
1753     \tstidxtext{\tstidxencapttext{#4}{#5\tstidxsubsubmarker}}%
1754   \else
1755     #5%
1756   \fi
1757   \expandafter\toks@\expandafter{\@tstidx@entry}%
1758   \edef\@tstidx@entry{\the\toks@\tstidxencap#4}%
1759   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1760 \fi
1761 }

```

bindindexopenpost

```

\tstsubsubindexopenpost[⟨main sort⟩]{⟨main term⟩}[⟨sub sort⟩]
{⟨sub term⟩}[⟨sub-sub sort⟩]{⟨sub-sub term⟩}[⟨label⟩]{⟨encap⟩}
{⟨text⟩}

```

```

1762 \newcommand*{\tstsubsubindexopenpost}[2][ ]{%
1763   \def\@tstidx@sort{#1}%
1764   \def\@tstidx@term{#2}%
1765   \@tst@subsubindexopenpost
1766 }
1767 \newcommand*{\@tst@subsubindexopenpost}[2][ ]{%
1768   \def\@tstidx@subsort{#1}%
1769   \def\@tstidx@subterm{#2}%
1770   \@@tst@subsubindexopenpost

```

```

1771 }
1772 \newcommand*{\@@@tst@subsubindexopenpost}[2][[]]{%
1773 \@@ifnextchar[\@@@tstidx@subsubindexopenpost{#1}{#2}}%
1774 {\@@@tstidx@subsubindexopenpost{#1}{#2}[]}%
1775 }%
1776
1777 \def\@@@tstidx@subsubindexopenpost#1#2[#3]#4#5{%
1778 \def\@@@tstidx@subsubsort{#1}%
1779 \def\@@@tstidx@subsubterm{#2}%
1780 \def\@@@tstidx@encap{#4}%
1781 \ifx\@@@tstidx@sort\@empty
1782 \let\@@@tstidx@entry\@@@tstidx@term
1783 \else
1784 \edef\@@@tstidx@entry{\unexpanded\expandafter{\@@@tstidx@sort}\tstidxactual
1785 \unexpanded\expandafter{\@@@tstidx@term}}%
1786 \fi
1787 \ifx\@@@tstidx@subsubsort\@empty
1788 \edef\@@@tstidx@entry{\unexpanded\expandafter{\@@@tstidx@entry}\tstidxlevel
1789 \unexpanded\expandafter{\@@@tstidx@subterm}}%
1790 \else
1791 \edef\@@@tstidx@entry{\unexpanded\expandafter{\@@@tstidx@entry}\tstidxlevel
1792 \unexpanded\expandafter{\@@@tstidx@subsort}\tstidxactual
1793 \unexpanded\expandafter{\@@@tstidx@subterm}}%
1794 \fi
1795 \ifx\@@@tstidx@subsubsort\@empty
1796 \edef\@@@tstidx@entry{\unexpanded\expandafter{\@@@tstidx@entry}\tstidxlevel
1797 \unexpanded\expandafter{\@@@tstidx@subsubterm}}%
1798 \else
1799 \edef\@@@tstidx@entry{\unexpanded\expandafter{\@@@tstidx@entry}\tstidxlevel
1800 \unexpanded\expandafter{\@@@tstidx@subsubsort}\tstidxactual
1801 \unexpanded\expandafter{\@@@tstidx@subsubterm}}%
1802 \fi
1803 \ifx\@@@tstidx@encap\@empty
1804 \iftestidxshowmarks
1805 \tstidxtext{#5\tstidxopensubmarker}%
1806 \else
1807 #5%
1808 \fi
1809 \expandafter\toks@\expandafter{\@@@tstidx@entry}%
1810 \edef\@@@tstidx@entry{\the\toks@\tstidxencap\tstidxopenrange}%
1811 \expandafter\@@@tstindex\expandafter{\@@@tstidx@entry}%
1812 \else
1813 \iftestidxshowmarks
1814 \tstidxtext{\tstidxencapttext{#4}{#5\tstidxopensubmarker}}%
1815 \else
1816 #5%
1817 \fi
1818 \expandafter\toks@\expandafter{\@@@tstidx@entry}%
1819 \edef\@@@tstidx@entry{\the\toks@\tstidxencap\tstidxopenrange#4}%

```

```

1820 \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1821 \fi
1822 }

```

indexclosepost

```

\tstsubsubindexclosepost[⟨main sort⟩]{⟨main term⟩}[⟨sub sort⟩]
{⟨sub term⟩}[⟨sub-sub sort⟩]{⟨sub-sub term⟩}[⟨label⟩]{⟨encap⟩}
{⟨text⟩}

```

```

1823 \newcommand*{\tstsubsubindexclosepost}[2][ ]{%
1824 \def\@tstidx@sort{#1}%
1825 \def\@tstidx@term{#2}%
1826 \@tst@subsubindexclosepost
1827 }
1828 \newcommand*{\@tst@subsubindexclosepost}[2][ ]{%
1829 \def\@tstidx@subsort{#1}%
1830 \def\@tstidx@subterm{#2}%
1831 \@@tst@subsubindexclosepost
1832 }
1833 \newcommand*{\@@tst@subsubindexclosepost}[2][ ]{%
1834 \@ifnextchar[{\@tstidx@subsubindexclosepost{#1}{#2}}%
1835 {\@tstidx@subsubindexclosepost{#1}{#2}[ ]}%
1836 }%
1837
1838 \def\@@tstidx@subsubindexclosepost#1#2[#3]#4#5{%
1839 \def\@tstidx@subsubsort{#1}%
1840 \def\@tstidx@subsubterm{#2}%
1841 \def\@tstidx@encap{#4}%
1842 \ifx\@tstidx@sort\@empty
1843 \let\@tstidx@entry\@tstidx@term
1844 \else
1845 \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@sort}\tstidxactual
1846 \unexpanded\expandafter{\@tstidx@term}}%
1847 \fi
1848 \ifx\@tstidx@subsort\@empty
1849 \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1850 \unexpanded\expandafter{\@tstidx@subterm}}%
1851 \else
1852 \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1853 \unexpanded\expandafter{\@tstidx@subsort}\tstidxactual
1854 \unexpanded\expandafter{\@tstidx@subterm}}%
1855 \fi
1856 \ifx\@tstidx@subsubsort\@empty
1857 \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1858 \unexpanded\expandafter{\@tstidx@subsubterm}}%
1859 \else
1860 \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1861 \unexpanded\expandafter{\@tstidx@subsubsort}\tstidxactual
1862 \unexpanded\expandafter{\@tstidx@subsubterm}}%

```

```

1863 \fi
1864 \ifx\@tstidx@encap\@empty
1865   \iftestidxshowmarks
1866     \tstidxtext{#5\tstidxclosesubmarker}%
1867   \else
1868     #5%
1869   \fi
1870   \expandafter\toks@\expandafter{\@tstidx@entry}%
1871   \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxcloserange}%
1872   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1873 \else
1874   \iftestidxshowmarks
1875     \tstidxtext{\tstidxencapttext{#4}{#5\tstidxclosesubmarker}}%
1876   \else
1877     #5%
1878   \fi
1879   \expandafter\toks@\expandafter{\@tstidx@entry}%
1880   \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxcloserange#4}%
1881   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1882 \fi
1883 }

```

subsubindexpre

<pre> \tstsubsubindexpre[<i>main sort</i>]{<i>main term</i>}[<i>sub sort</i>]{<i>sub term</i>}[<i>sub-sub sort</i>]{<i>sub-sub term</i>}[<i>label</i>]{<i>encap</i>}{<i>text</i>} </pre>
--

```

1884 \newcommand*{\tstsubsubindexpre}[2][ ]{%
1885   \def\@tstidx@sort{#1}%
1886   \def\@tstidx@term{#2}%
1887   \@tst@subsubindexpre
1888 }
1889 \newcommand*{\@tst@subsubindexpre}[2][ ]{%
1890   \def\@tstidx@subsort{#1}%
1891   \def\@tstidx@subterm{#2}%
1892   \@@tst@subsubindexpre
1893 }
1894 \newcommand*{\@@tst@subsubindexpre}[2][ ]{%
1895   \@ifnextchar[{\@@tstidx@subsubindexpre{#1}{#2}}%
1896   {\@@tstidx@subsubindexpre{#1}{#2}[ ]}%
1897 }%
1898
1899 \def\@@tstidx@subsubindexpre#1#2[#3]#4#5{%
1900   \def\@tstidx@subsubsort{#1}%
1901   \def\@tstidx@subsubterm{#2}%
1902   \def\@tstidx@encap{#4}%
1903   \ifx\@tstidx@sort\@empty
1904     \let\@tstidx@entry\@tstidx@term
1905   \else
1906     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@sort}\tstidxactual

```

```

1907     \unexpanded\expandafter{\@tstidx@term}}%
1908 \fi
1909 \ifx\@tstidx@subsort\@empty
1910     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1911     \unexpanded\expandafter{\@tstidx@subterm}}%
1912 \else
1913     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1914     \unexpanded\expandafter{\@tstidx@subsort}\tstidxactual
1915     \unexpanded\expandafter{\@tstidx@subterm}}%
1916 \fi
1917 \ifx\@tstidx@subsubsort\@empty
1918     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1919     \unexpanded\expandafter{\@tstidx@subsubterm}}%
1920 \else
1921     \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1922     \unexpanded\expandafter{\@tstidx@subsubsort}\tstidxactual
1923     \unexpanded\expandafter{\@tstidx@subsubterm}}%
1924 \fi
1925 \ifx\@tstidx@encap\@empty
1926     \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1927     \iftestidxshowmarks
1928         \tstidxtext{#5\tstidxsubsubmarker}%
1929     \else
1930         #5%
1931     \fi
1932 \else
1933     \expandafter\toks@\expandafter{\@tstidx@entry}%
1934     \edef\@tstidx@entry{\the\toks@\tstidxencap#4}%
1935     \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1936     \iftestidxshowmarks
1937         \tstidxtext{\tstidxencapttext{#4}{#5\tstidxsubsubmarker}}%
1938     \else
1939         #5%
1940     \fi
1941 \fi
1942 }

```

ubindexopenpre

```

\tstsubsubindexopenpre[<main sort>]{<main term>}[<sub sort>]
{<sub term>}[<sub-sub sort>]{<sub-sub term>}[<label>]{<encap>}
{<text>}

```

```

1943 \newcommand*{\tstsubsubindexopenpre}[2][ ]{%
1944     \def\@tstidx@sort{#1}%
1945     \def\@tstidx@term{#2}%
1946     \@tst@subsubindexopenpre
1947 }
1948 \newcommand*{\@tst@subsubindexopenpre}[2][ ]{%
1949     \def\@tstidx@subsort{#1}%

```

```

1950 \def\@tstidx@subterm{#2}%
1951 \@@tst@subsubindexopenpre
1952 }
1953 \newcommand*{\@@tst@subsubindexopenpre}[2][[]]{%
1954 \@ifnextchar[{\@@tstidx@subsubindexopenpre{#1}{#2}}%
1955 {\@@tstidx@subsubindexopenpre{#1}{#2}[]}%
1956 }%
1957 \def\@@tstidx@subsubindexopenpre#1#2[#3]#4#5{%
1958 \def\@tstidx@subsubsort{#1}%
1959 \def\@tstidx@subsubterm{#2}%
1960 \def\@tstidx@encap{#4}%
1961 \ifx\@tstidx@sort\@empty
1962 \let\@tstidx@entry\@tstidx@term
1963 \else
1964 \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@sort}\tstidxactual
1965 \unexpanded\expandafter{\@tstidx@term}}%
1966 \fi
1967 \ifx\@tstidx@subsort\@empty
1968 \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1969 \unexpanded\expandafter{\@tstidx@subterm}}%
1970 \else
1971 \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1972 \unexpanded\expandafter{\@tstidx@subsort}\tstidxactual
1973 \unexpanded\expandafter{\@tstidx@subterm}}%
1974 \fi
1975 \ifx\@tstidx@subsubsort\@empty
1976 \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1977 \unexpanded\expandafter{\@tstidx@subsubterm}}%
1978 \else
1979 \edef\@tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
1980 \unexpanded\expandafter{\@tstidx@subsubsort}\tstidxactual
1981 \unexpanded\expandafter{\@tstidx@subsubterm}}%
1982 \fi
1983 \ifx\@tstidx@encap\@empty
1984 \expandafter\toks@\expandafter{\@tstidx@entry}%
1985 \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxopenrange}%
1986 \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1987 \iftestidxshowmarks
1988 \tstidxtext{#5\tstidxopensubmarker}%
1989 \else
1990 #5%
1991 \fi
1992 \else
1993 \expandafter\toks@\expandafter{\@tstidx@entry}%
1994 \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxopenrange#4}%
1995 \expandafter\@tstindex\expandafter{\@tstidx@entry}%
1996 \iftestidxshowmarks
1997 \tstidxtext{\tstidxencapttext{#4}{#5\tstidxopensubmarker}}%
1998 \else

```

```

1999      #5%
2000      \fi
2001      \fi
2002 }

```

```

bindindexclosepre \tstsubsubindexclosepre[⟨main sort⟩]{⟨main term⟩}[⟨sub sort⟩]
                  {⟨sub term⟩}[⟨sub-sub sort⟩]{⟨sub-sub term⟩}[⟨label⟩]{⟨encap⟩}
                  {⟨text⟩}

```

```

2003 \newcommand*{\tstsubsubindexclosepre}[2][ ]{%
2004   \def\tstidx@sort{#1}%
2005   \def\tstidx@term{#2}%
2006   \@tst@subsubindexclosepre
2007 }
2008 \newcommand*{\@tst@subsubindexclosepre}[2][ ]{%
2009   \def\tstidx@subsort{#1}%
2010   \def\tstidx@subterm{#2}%
2011   \@@tst@subsubindexclosepre
2012 }
2013 \newcommand*{\@@tst@subsubindexclosepre}[2][ ]{%
2014   \@ifnextchar[{\@tstidx@subsubindexclosepre{#1}{#2}}%
2015   {\@@tstidx@subsubindexclosepre{#1}{#2}[ ]}%
2016 }%
2017
2018 \def\@@tstidx@subsubindexclosepre#1#2[#3]#4#5{%
2019   \def\tstidx@subsubsort{#1}%
2020   \def\tstidx@subsubterm{#2}%
2021   \def\tstidx@encap{#4}%
2022   \ifx\tstidx@sort\@empty
2023     \let\tstidx@entry\tstidx@term
2024   \else
2025     \edef\tstidx@entry{\unexpanded\expandafter{\@tstidx@sort}\tstidxactual
2026     \unexpanded\expandafter{\@tstidx@term}}%
2027   \fi
2028   \ifx\tstidx@subsort\@empty
2029     \edef\tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
2030     \unexpanded\expandafter{\@tstidx@subterm}}%
2031   \else
2032     \edef\tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
2033     \unexpanded\expandafter{\@tstidx@subsort}\tstidxactual
2034     \unexpanded\expandafter{\@tstidx@subterm}}%
2035   \fi
2036   \ifx\tstidx@subsubsort\@empty
2037     \edef\tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
2038     \unexpanded\expandafter{\@tstidx@subsubterm}}%
2039   \else
2040     \edef\tstidx@entry{\unexpanded\expandafter{\@tstidx@entry}\tstidxlevel
2041     \unexpanded\expandafter{\@tstidx@subsubsort}\tstidxactual

```



```

2042     \unexpanded\expandafter{\@tstidx@subsubterm}}%
2043 \fi
2044 \ifx\@tstidx@encap\@empty
2045   \expandafter\toks@\expandafter{\@tstidx@entry}%
2046   \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxcloserange}%
2047   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
2048   \iftestidxshowmarks
2049     \tstidxtext{#5\tstidxclosesubmarker}%
2050   \else
2051     #5%
2052   \fi
2053 \else
2054   \expandafter\toks@\expandafter{\@tstidx@entry}%
2055   \edef\@tstidx@entry{\the\toks@\tstidxencap\tstidxcloserange#4}%
2056   \expandafter\@tstindex\expandafter{\@tstidx@entry}%
2057   \iftestidxshowmarks
2058     \tstidxtext{\tstidxencapttext{#4}{#5\tstidxclosesubmarker}}%
2059   \else
2060     #5%
2061   \fi
2062 \fi
2063 }

```

## 7 Filler Text Generator

`\testidx` Provide a command similar to `\lipsum` from the `lipsum` package. May take a comma-separated list or a range of paragraph indices. The starred form suppresses paragraph breaks.

```

2064 \newcommand*{\testidx}{%
2065   \@ifstar
2066   {%
2067     \def\@testidx@block@sep{\space}%
2068     \@testidx
2069   }%
2070   {%
2071     \def\@testidx@block@sep{\tstidxdefblocksep}%
2072     \@testidx
2073   }%
2074 }

```

```

\@testidx
2075 \newcommand*{\@testidx}[1][1-\tstidxmaxblocks]{%
2076   \@for\@tidx@block@range:=#1\do{%
2077     \ifx\@tidx@block@range\@empty
2078       \else
2079         \expandafter\@test@idx\@tidx@block@range-\@nil-\@nil\@end@test@idx
2080       \fi
2081     }%
2082 }

```

```

dxdefblocksep  The default separator between blocks is \par.
                2083 \newcommand{\tstidxdefblocksep}{\par}

dxprefixblock  Prefix for each paragraph. Argument is the paragraph number.
                2084 \newcommand*{\tstidxprefixblock}[1]{\scriptsize\number#1.\ }

\@tidx@parctr
                2085 \newcount\@tidx@parctr

\@test@idx
                2086 \def\@test@idx#1-#2-#3\@end@test@idx{%
                2087   \def\@tst@idx@arg{#1}%
                2088   \ifx\@tst@idx@arg\@nnil
                2089     \PackageError{testidx}{Invalid range ` \@tidx@block@range' }{}%
                2090   \else
                2091     \def\@tst@idx@arg{#2}%
                2092     \ifx\@tst@idx@arg\@empty
                2093       \PackageError{testidx}{Invalid range ` \@tidx@block@range' }{}%
                2094     \else
                2095       \ifx\@tst@idx@arg\@nnil
                2096         \@test@idx{#1}%
                2097       \else
                2098         \ifnum#2<#1\relax
                2099           \@tidx@parctr=\numexpr#1+1\relax
                2100           \loop
                2101             \advance\@tidx@parctr by -\@ne
                2102             \@test@idx\@tidx@parctr
                2103             \ifnum\@tidx@parctr>#2
                2104               \repeat
                2105           \else
                2106             \@tidx@parctr=\numexpr#1-1\relax
                2107             \loop
                2108               \advance\@tidx@parctr by \@ne
                2109               \@test@idx\@tidx@parctr
                2110             \ifnum\@tidx@parctr<#2
                2111               \repeat
                2112           \fi
                2113         \fi
                2114       \fi
                2115     \fi
                2116 }

\@@test@idx  Do paragraph identified by argument.
                2117 \newcommand*{\@@test@idx}[1]{%
                2118   \@ifundefined{@tidx@par@\romannumeral#1}%
                2119   {%
                2120     \PackageError{testidx}{No such test block ` \number#1' }%
                2121     {Blocks are numbered from 1 to \number\tstidxmaxblocks}%
                2122   }%

```

```

2123 {%
2124   \tstidxprefixblock{#1}%
2125   \csname @tidx@par@\romannumeral#1\endcsname
2126   \@testidx@block@sep
2127 }%
2128 }

```

tidxmaxblocks

```
2129 \newcount\tstidxmaxblocks
```

## 7.1 Adding Test Paragraphs

stidxnewblock

```

2130 \newcommand*\tstidxnewblock{%
2131   \@ifstar\s@tstidxnewblock\@tstidxnewblock
2132 }

```

tstidxnewblock

```
\tstidxnewblock*{<cs>}{<block text>}
```

(Starred form.) Define a new block and assign the block's number to the control sequence *<cs>* for reference in another block. (Can't use the normal `\ref/\label` as the reference is more useful to the user if the referred block is missing. The undefined `??` indicator isn't much use in this context.)

```

2133 \newcommand{\s@tstidxnewblock}[2]{%
2134   \@tstidxnewblock{#2}%
2135   \edef#1{\number\tstidxmaxblocks}%
2136 }

```

tstidxnewblock

```
\tstidxnewblock{<block text>}
```

(Unstarred form.) Define a new block.

```

2137 \newcommand{\@tstidxnewblock}[1]{%
2138   \advance\tstidxmaxblocks by \@ne
2139   \expandafter
2140   \newcommand\csname @tidx@par@\romannumeral\tstidxmaxblocks\endcsname{#1}%
2141 }

```

## 7.2 Test Paragraphs

These are all the predefined test paragraphs.

\@tidx@par@i

```

2142 \tstidxnewblock
2143 {%
2144   This is a~sample block of text designed to test
2145   \tstidxcs{index}, the

```

```

2146 \if@tstidx@use@encaps
2147 \tstidxword[tstidxencapii]{layout}
2148 \else
2149 \tstidxword{layout}
2150 \fi
2151 of the
2152 \if@tstidx@use@encaps
2153 \tstidxword[tstidxencapii]{index}
2154 \else
2155 \tstidxword{index}
2156 \fi
2157 (\tstidxenv{theindex} environment) and any
2158 \if@tstidx@use@encaps
2159 \tstidxphrase[tstidxencapii]{indexing application},
2160 \else
2161 \tstidxphrase{indexing application},
2162 \fi
2163 such as
2164 \tstidxapp{makeindex} or
2165 \tstidxapp{xindy}. This text is just
2166 \tstidxword{filler} (produced using \tstidxcs{testidx} provided
2167 by the \tstidxopensty{testidx} package) to
2168 pad\tstindexsee{padding}{seealso}{filler} out
2169 the document with instances of \tstidxcs{index} interspersed
2170 throughout. You can use it, for \tstidxword{example}, to test an indexing
2171 package, such as \tstidxsty{makeidx} or \tstidxsty{imakeidx}, or to
2172 test a \tstidxapp{makeindex} style file or \tstidxapp{xindy} module.
2173 You can find out more
2174 information from the \tstidxsty{testidx} user manual, which
2175 can be accessed using the \tstidxapp{texdoc} application.
2176 This block starts a range that is closed in block~\@tidx@close@testidxsty.%
2177 }

```

\@tidx@par@ii

```

2178 \tstidxnewblock
2179 {%
2180 The \tstidxsty{testidx} package doesn't make any
2181 modifications to \tstidxcs{index} or \tstidxenv{theindex}. All
2182 \tstidxphrase{visual effects} in this \tstidxphrase{dummy text} are produced
2183 using markup commands provided solely for this \tstidxword{purpose} that
2184 internally use \tstidxcs{index} or, more specifically, internally use
2185 \tstidxcs{tstindex}, which is defined to use \tstidxcs{index} (so you can
2186 redefine \tstidxcs{tstindex} if you have multiple indexes). This package
2187 doesn't attempt to \tstidxword{parse} or otherwise \tstidxword{interpret} the
2188 \tstidxword{argument} of \tstidxcs{index}, nor does it attempt to
2189 produce a well-designed index. Its purpose is to help you
2190 \tstidxword{test} your chosen \tstidxword{design}, which is easier to do with a
2191 relatively small test \tstidxword{document}, than with a large
2192 \tstidxword{book}. The \tstidxphrase{dummy text} is intended to produce an

```

```

2193 \tstidxword{index} that is at least three pages long to allow you
2194 to test the page headers and footers in a two-sided document.
2195 You can hide the visual effects with the
2196 \tstidxstyopt{testidx}{hidemarks} package option.%
2197 \iftestidxshowmarks
2198 \else
2199 \space (It seems you already have this option set.
2200 Remove it or use \tstidxstyopt{testidx}{showmarks} to show them
2201 again.)%
2202 \fi
2203 }

```

@tidx@par@iii

```

2204 \tstidxnewblock
2205 {%
2206 The actual place where the \tstidxcs{index} command occurs in this
2207 \if@tstidx@use@encaps
2208 \tstidxphrase[tstidxencapiiii]{dummy text}
2209 \else
2210 \tstidxphrase{dummy text}
2211 \fi
2212 is marked with the symbol
2213 \tstidxindexmarker{tstidxmarker} if there is no \tstidxword{range} or
2214 \tstidxphrase{cross-reference}. The
2215 \if@tstidx@use@encaps
2216 \tstidxword[tstidxencapi]{word}
2217 \else
2218 \tstidxword{word}
2219 \fi
2220 or
2221 \if@tstidx@use@encaps
2222 \tstidxword[tstidxencapii]{phrase}
2223 \else
2224 \tstidxword{phrase}
2225 \fi
2226 adjacent to this \tstidxword{marker} is
2227 the text being indexed.\tstidxfootnote{The \tstidxcs{index} command may
2228 occur before or after the \tstidxword{word} or \tstidxword{phrase} being
2229 indexed in this
2230 \if@tstidx@use@encaps
2231 \tstidxphrase[tstidxencapiiii]{dummy text},
2232 \else
2233 \tstidxphrase{dummy text},
2234 \fi
2235 but there's no
2236 space between the \tstidxword{marker} and the term being indexed. Always
2237 remember not to surround your \tstidxcs{index} usage with spaces. Keep it
2238 flush against the term being indexed and only have a space on one
2239 side. Incidentally, this \tstidxword{footnote} text was produced

```

2240 using the command `\tstidxcs{tstidxfootnote}`, which you can  
2241 redefined as required. (It defaults to just `\tstidxcs{footnote}`.)  
2242 A sub-entry is indicated with the symbol  
2243 `\tstidxindexmarker{tstidxsubmarker}` and a sub-sub-entry is  
2244 indicated with the symbol `\tstidxindexmarker{tstidxsubsubmarker}`.  
2245 If an `\tstidxword{encap}` value is provided, both the  
2246 `\if@tstidx@use@encaps`  
2247 `\tstidxword[tstidxencapiii]{text}`  
2248 `\else`  
2249 `\tstidxword{text}`  
2250 `\fi`  
2251 and the  
2252 `\if@tstidx@use@encaps`  
2253 `\tstidxword[tstidxencapii]{marker}`  
2254 `\else`  
2255 `\tstidxword{marker}`  
2256 `\fi`  
2257 are typeset in the `\tstidxword{argument}` of the corresponding command.  
2258 (The text occurring in the document is also typeset within the argument of  
2259 `\tstidxcs{tstidxtext}`. The default value is to use a dark grey, but since the  
2260 default values for the `\tstidxword{predefined}` encaps used in this text all  
2261 change the colour, the dark grey will only apply where the encap hasn't  
2262 been set.) There are three `\tstidxword{encap}` values used throughout this  
2263 `\tstidxphrase{dummy text}` (unless you've used the  
2264 `\tstidxstyopt{testidx}{notestencaps}` package option):  
2265 `\if@tstidx@use@encaps`  
2266 `\tstidxencapcsn[tstidxencapi]{tstidxencapi},`  
2267 `\else`  
2268 `\tstidxencapcsn{tstidxencapi},`  
2269 `\fi`  
2270 `\if@tstidx@use@encaps`  
2271 `\tstidxencapcsn[tstidxencapii]{tstidxencapii}`  
2272 `\else`  
2273 `\tstidxencapcsn{tstidxencapii}`  
2274 `\fi`  
2275 and  
2276 `\if@tstidx@use@encaps`  
2277 `\tstidxencapcsn[tstidxencapiii]{tstidxencapiii}.`  
2278 `\else`  
2279 `\tstidxencapcsn{tstidxencapiii}.`  
2280 `\fi`  
2281 (The default values use `\tstidxcs{textcolor}`, so you might want to use the  
2282 `\tstidxstyopt{hyperref}{hidelinks}` option  
2283 if you want to use the `\tstidxsty{hyperref}` package.) A cross-referenced  
2284 entry (using `\tstidxencapcsn{see}` or `\tstidxencapcsn{seealso}`) is identified  
2285 using the `\tstidxword{marker}` `\tstidxindexmarker{tstidxseemarker}`  
2286 and the cross-referenced information is displayed as  
2287 a `\tstidxphrase{marginal note}` by default, with the term being indexed  
2288 followed by the `\tstidxword{cross-reference}`.

2289 For example,  
2290 `\tstidxword{lyuk}\tstindexsee{lyuk}{seealso}{digraph}` has  
2291 the marker `\tstidxmarker\` to show that the word `\tstidxqt{lyuk}` was  
2292 indexed followed by the marker `\tstidxseemarker\` to show that  
2293 a cross-reference to `\tstidxword{digraph}` has also been indexed  
2294 (with the details shown in the margin).  
2295 A sub-level  
2296 `\tstidxword{cross-reference}` is identified with the `\tstidxword{marker}`  
2297 `\tstidxindexmarker{tstidxsubseemarker}` and the marginal note  
2298 displays the main term followed by the sub-term (separated by the  
2299 symbol `\tstidxsubseesep`). The `\tstidxword{marker}` used for the start of  
2300 a range is `\tstidxindexmarker{tstidxopenmarker}` and the  
2301 `\tstidxword{marker}` used for the end of  
2302 a range is `\tstidxindexmarker{tstidxclosemarker}`  
2303 unless the entry is a sub-level, in which case the  
2304 `\tstidxword{marker}` for the start of the range is  
2305 `\tstidxindexmarker{tstidxopensubmarker}`  
2306 and the `\tstidxword{marker}` used for the end of a range is  
2307 `\tstidxindexmarker{tstidxclosesubmarker}`, or for a sub-sub-level  
2308 `\tstidxindexmarker{tstidxopensubsubmarker}` and  
2309 `\tstidxindexmarker{tstidxclosesubsubmarker}`. There are no tests for  
2310 any further sub-levels. Although `\tstidxapp{xindy}` allows more than  
2311 three levels (`\tstidxapp{makeindex}` doesn't), it's somewhat  
2312 `\tstidxword{excessive}` to go below a sub-sub-level.  
2313 You'll have to add your own tests for anything deeper.  
2314 Watch out for `\tstidxsubword{sub-items}{lonely}` sub-items.%  
2315 }

`\@tidx@par@iv`

2316 `\tstidxnewblock*{\@tidx@openrange@par}`  
2317 {%  
2318 Here's an `\tstidxword{example}` of the start of a `\tstidxopenword{range}` but  
2319 remember that a range must also have an end, so make sure that  
2320 `\tstidxword{block}~\@tidx@closerange@par\` has been included in this  
2321 `\if@tstidx@use@encaps`  
2322 `\tstidxphrase[tstidxencapiii]{dummy text},`  
2323 `\else`  
2324 `\tstidxphrase{dummy text},`  
2325 `\fi`  
2326 which closes this  
2327 `\tstidxword{example}`.  
2328 `\iftstidxverbose`  
2329 I see you've used the `\tstidxstyopt{testidx}{verbose}` package option which  
2330 shows the `\tstidxword{argument}` being passed to `\tstidxcs{tstindex}`.  
2331 I expect it's caused some `\tstidxphrase{overfull lines}`.%  
2332 `\else`  
2333 If you want more detail, you can use the `\tstidxstyopt{testidx}{verbose}`  
2334 package option which will show the `\tstidxword{argument}` being passed to  
2335 `\tstidxcs{tstindex}` but be warned that it will

```
2336 cause \tstidxphrase{overfull lines}.%
2337 \fi
2338 }
```

```
\@tidx@par@v
```

```
2339 \tstidxnewblock
2340 {%
2341 Now that the preliminaries have been dispensed with in the previous
2342 \tstidxwordpl{paragraph}, we can get on
2343 to some serious
2344 \if@tstidx@use@encaps
2345 \tstidxword[tstidxencapii]{waffle}
2346 \else
2347 \tstidxword{waffle}
2348 \fi
2349 to act as
2350 \if@tstidx@use@encaps
2351 \tstidxword[tstidxencapi]{filler}
2352 \else
2353 \tstidxword{filler}
2354 \fi
2355 text because this really needs
2356 some \tstidxword{padding} in order to get a decent sized
2357 \tstidxword{index} with lots of locations. I did consider using just
2358 plain old \tstidxphrase{lorem ipsum} (like the \tstidxsty{lipsum}
2359 package), but it gets a bit boring after a while, and it's easier to
2360 check the indexing has been performed successfully if you can understand
2361 the text. Of course, this doesn't help those who don't know any English, but at
2362 least they're no worse off than they would have been with random
2363 \tstidxword{gibberish}\tstindexsee{gobbledegook}{see}{gibberish},
2364 at least, I hope not. In other words, if I could just \tstidxword{clarify}
2365 what I'm trying to say here, in a \tstidxword{confidential} and not too
2366 \tstidxword{roundabout} \tstidxword{fashion}\tstidxdash
2367 \tstidxphrase{between you, me and the gatepost}\tstidxdash is please don't
2368 consider this to be an
2369 \tstidxword{illustration}\tstindexsee{illustration}{seealso}{example} of
2370 my stunning \tstidxword{wit}, \tstidxword{eloquence} and
2371 \tstidxphrase{way with words} because I'm shamelessly contravening the
2372 \tstidxphrase{creative writing}
2373 \tstidxword{adage} (or possibly \tstidxword{motto}) of
2374 \tstidxphrase{cut to the chase}, remove excessive
2375 \tstidxword{verbiage} and \tstidxphrase{get to the point}. I shall
2376 take care to hide this \tstidxword{drivel} from my
2377 \if@tstidx@use@encaps
2378 \tstidxphrase[tstidxencapiiii]{creative writing}
2379 \else
2380 \tstidxphrase{creative writing}
2381 \fi
2382 \tstidxword{tutor} and
```



2383 fellow writers, so

2384 `\tstidxphrase{keep mum}\tstindexsee{keep mum}{seealso}{confidential}`

2385 and don't `\tstidxword{grass}` on me because that just won't be fair,

2386 and it might `\tstidxword{distress}` them to a certain extent.

2387 I shall not be `\tstidxword{assailed}` by indecision and will

2388 `\tstidxword{aspire}` to find the `\tstidxphrase{mot juste}`.

2389 Where was I? Oh, yes, `\tstidxword{padding}`. I'm trying to make this

2390 `\tstidxword{paragraph}` quite long, not because I have any pretensions of being

2391 the next `\tstidxperson{James}{Joyce}` and competing with

2392 `\tstidxbook{Ulysses}`, but because one of the things

2393 we need to check for is what happens with paragraphs that span a

2394 `\tstidxphrase{page break}`. (If you're feeling particularly daring,

2395 try out the starred version of `\tstidxcs{testidx}`, although

2396 some of the blocks, such as `\tstidxword{block}~\@tidx@xdypar`, have some

2397 sneaky `\tstidxword{paragraph}` breaks that won't

2398 be suppressed.) `\tstidxsym{TeX}{\TeX}`'s asynchronous

2399 `\if@tstidx@use@encaps`

2400 `\tstidxphrase[tstidxencapii]{output routine}`

2401 `\else`

2402 `\tstidxphrase{output routine}`

2403 `\fi`

2404 can cause things to go a bit

2405 `\if@tstidx@use@encaps`

2406 `\tstidxphrase[tstidxencapiii]{out of whack},`

2407 `\else`

2408 `\tstidxphrase{out of whack},`

2409 `\fi`

2410 so lengthy paragraphs in this

2411 `\if@tstidx@use@encaps`

2412 `\tstidxword[tstidxencapii]{example}`

2413 `\else`

2414 `\tstidxword{example}`

2415 `\fi`

2416 document increase the chances of testing for these occurrences.

2417 Whether or not this particular `\tstidxword{paragraph}`

2418 actually spans a `\tstidxphrase{page break}` does, of course, depend on

2419 various things including your document `\tstidxsubword{document}{properties}`,

2420 such as the `\tstidxphrase{page dimensions}`, `\tstidxphrase{font family}` and

2421 `\tstidxphrase{font size}`. If it turns out that this

2422 `\if@tstidx@use@encaps`

2423 `\tstidxword[tstidxencapi]{paragraph}`

2424 `\else`

2425 `\tstidxword{paragraph}`

2426 `\fi`

2427 has spanned a `\tstidxphrase{page break}`, you might want to check the terms

2428 indexed here to make sure they have the correct page numbers listed.

2429 Something else that you might want to check, while you're at it, is

2430 what's happened to the `\tstindexsee{location list}{seealso}{cross-reference}%`

2431 `\tstidxword{location list}` for the word

```

2432 \if@tstidx@use@encaps
2433   \tstidxqt{\tstidxword[tstidxencapii]{paragraph}},
2434 \else
2435   \tstidxqt{\tstidxword{paragraph}},
2436 \fi
2437 as I've used different
2438 \tstidxword{encap} values for it in various places in this
2439 \tstidxword{example}
2440 \if@tstidx@use@encaps
2441   \tstidxword[tstidxencapiii]{paragraph}.
2442 \else
2443   \tstidxword{paragraph}.
2444 \fi
2445 If you are using
2446 \tstidxapp{makeindex}, you might notice some warnings about
2447 \tstidxphrase{multiple encaps}, and the \tstidxphrase{page number}
2448 may be duplicated in the location list. If you are using
2449 \tstidxapp{xindy}, then it will discard duplicate page numbers and
2450 give preference to the first defined attribute in whatever
2451 \tstidxapp{xindy} module you're using. However, be careful if a
2452 \if@tstidx@use@encaps
2453   \tstidxword[tstidxencapi]{range}
2454 \else
2455   \tstidxword{range}
2456 \fi
2457 overlaps a different \tstidxword{encap}.
2458 Remember that there's a difference between an \tstidxword{index} and a
2459 \tstidxword{concordance}. If you just index pertinent places, there's less
2460 likelihood of conflicting encaps. This is the end of a
2461 \if@tstidx@use@encaps
2462   \tstidxword[tstidxencapiii]{paragraph}
2463 \else
2464   \tstidxword{paragraph}
2465 \fi
2466 that was written to deliberately upset \tstidxapp{makeindex}.
2467 Mean, aren't I?%
2468 }

```

\@tidx@par@vi

```

2469 \tstidxnewblock*{\@tidx@xdypar}
2470 {%
2471 On the subject of \tstidxapp{xindy}, if you want to use it with
2472 this \tstidxword{example} document, you'll need to add the
2473 \tstidxword{encap} values used in this \tstidxphrase{dummy text}
2474 as allowed attributes. For example, you may want to create a file
2475 called, say, \texttt{\jobname.xdy} that contains the following:

```

**Can't use verbatim so fudge it.**

```

2476 \begin{flushleft}\ttfamily\obeylines
2477 ; list of allowed attributes

```

```

2478 \par\medskip\par
2479 (define-attributes ((
2480   \string"tstidxencapi\string"
2481   \string"tstidxencapii\string"
2482   \string"tstidxencapiiii\string"
2483 )))
2484 \par\medskip\par
2485 ; define format to use for locations
2486 \par\medskip\par
2487 (markup-locref :open \string"\string\tstidxencapi\expandafter\@gobble\string\{\stri
2488 :close \string"\expandafter\@gobble\string\}\string"
2489 :attr \string"tstidxencapi\string")
2490
2491 (markup-locref :open \string"\string\tstidxencapii\expandafter\@gobble\string\{\str
2492 :close \string"\expandafter\@gobble\string\}\string"
2493 :attr \string"tstidxencapii\string")
2494
2495 (markup-locref :open
2496 \string"\string\tstidxencapiiii\expandafter\@gobble\string\{\string"
2497 :close \string"\expandafter\@gobble\string\}\string"
2498 :attr \string"tstidxencapiiii\string")
2499 \end{flushleft}
2500 This sets up allowed encap values and how they should be formatted.
2501 The ordering of the allowed \tstidxword{attributes} here gives the
2502 \tstidxencapcsn{tstidxencapi} encap precedence in the
2503 event of a \tstidxphrase{multiple encaps} clash, since it's the
2504 first one in the list. You can then
2505 run \tstidxapp{xindy} using:
2506 \begin{flushleft}\ttfamily
2507 xindy -L english -C utf8 -M \jobname.xdy -M texindy -t \jobname.ilg
2508 \jobname.idx
2509 \end{flushleft}
2510 You might also want to set the location list
2511 \tstidxsubword{location list}{page separator}
2512 and the \tstidxsubword{location list}{range separator}%
2513 \tstindexsee{range separator}{see}{location list}
2514 in your \texttt{.xdy} file. For example:
2515 \begin{flushleft}\ttfamily
2516 (markup-locref-list :sep \string", \string")\par
2517 (markup-range :sep \string"\string-\string-\string")
2518 \end{flushleft}
2519 Check out the difference between using \tstidxapp{xindy} and
2520 \tstidxapp{makeindex} on this document.
2521 On the subject of location lists, the word
2522 \tstidxword{passim} (meaning \tstidxqt{here and there}) is
2523 sometimes used to tidy up ragged lists. For example,
2524 the locations \tstidxqt{1, 3, 4, 6, 7} may look neater as
2525 \tstidxqt{1-7 passim}, which indicates references are scattered (here
2526 and there) throughout that range.%

```

2527 }

@tidx@par@vii

```
2528 \tstidxnewblock
2529 {%
2530 Computer algorithms can sometimes have difficulties with
2531 \tstidxword{localisation}. They can be tripped up by
2532 \tstidxphrase{input encoding} issues and \tstidxwordpl{digraph}
2533 (such as the Welsh \tstidxgphword{ll}{ll}{ll} digraph in
2534 \tstidxgphword{llan}{llan}{llan},
2535 the Dutch \tstidxgphword{ij}{ij}{ij} digraph in
2536 \tstidxgphword{lijnbus}{lijnbus}{lijnbus} and
2537 \tstidxgphword{ijsvrij}{ijsvrij}{ijsvrij}, and the
2538 \tstidxgphword{dz}{dz}{dz} digraph in the Hungarian
2539 \tstidxgphword{dz\'eta}[dzeta]{dzéta}{dzéta} and Polish
2540 \tstidxgphword{dzwon}{dzwon}{dzwon})
2541 or \tstidxwordpl{trigraph} (such as the Hungarian \tstidxword{dzs}
2542 trigraph in \tstidxutfword{dzs\'oker}[dzsoker]{dzsóker}
2543 and \tstidxword{dzsungel}\tstindexsee{dzsungel}{seealso}{trigraph}),
2544 so this \tstidxword{paragraph} is designed to provide some examples for
2545 testing various Latin alphabets. If you enable both UTF-8 (either
2546 with \tstidxsty{inputenc} or using XeLaTeX\slash LuaLaTeX) and
2547 the \tstidxstyopt{testidx}{digraphs} option, then the examples above
2548 will use the \tstidxqt{ll}, \tstidxqt{ij} and \tstidxqt{dz}
2549 \tstidxwordpl{glyph} (\emph{if supported}) for the \tstidxwordpl{digraph}
2550 (but not for \tstidxqt{dzs}, which is a
2551 \tstidxword{trigraph}). Remember that you'll also need a font that
2552 supports those glyphs.
2553 \iftestidxdiglyphs
2554 (If characters are missing from the above words, then they're not supported.)
2555 \fi
2556 Other digraphs include the Welsh \tstidxword{dd}, \tstidxword{ff},
2557 and \tstidxword{ng}, the Hungarian \tstidxword{ly} (in \tstidxword{lyuk}
2558 mentioned earlier) and the Polish \tstidxword{cz}, but these
2559 don't use glyphs in the sort value.
2560 Now for some more \tstidxword{nonsense} text to pad the index.
2561 We, the \tstidxutfword{\'elite}[elite]{élite} who discovered the
2562 \tstidxutfword{\ae sthetic}[aesthetic]{æsthetic}
2563 delights of \tstidxsym{TeX}{\TeX}, must not become
2564 \tstidxutfword{blas\'e}[blase]{blasé} about being the
2565 \tstidxutfword{prot\'eg\'e}[protege]{protégé}
2566 of the great \tstidxperson{Donald}{Knuth}.
2567 It may stagger the
2568 \tstidxutfword{client\'ele}[clientele]{clientèle} of
2569 \if@tstidx@use@encaps
2570 \tstidxartphrase[tstidxencapii]{the}{commercial world}
2571 \else
2572 \tstidxartphrase{the}{commercial world}
2573 \fi
```

2574 to discover our  
2575 `\tstidxutfword{r\`esum\`e}`[resumee]{résumé}  
2576 (after foraging for it in our natty  
2577 `\tstidxutfphrase{attach\`e case}`[attachecase]{attaché case})  
2578 while we sample a `\tstidxword{vol-au-vent}` or `\tstidxword{two}`  
2579 at the `\tstidxutfword{soir\`ee}`[soiree]{soirée}  
2580 in the `\tstidxutfphrase{pied-\`a-terre}`[piedaterre]{pied-à-terre}  
2581 with the delightful `\tstidxutfword{ph\`oe nix}`[phoenix]{phœnix}-%  
2582 themed `\tstidxutfword{d\`ecor}`[decor]{décor}, `\tstidxword{daft}`  
2583 `\tstidxword{oak}` `\tstidxphrase{dado rail}` and  
2584 `\tstidxutfword{f\`ae rie}`[faerie]{færie}  
2585 `\tstidxutfword{fa\`c\`c\`ade}`[facade]{façade}  
2586 that has stunned  
2587 many an `\tstidxutfword{\`ae thereal}`[aethereal]{æthereal}  
2588 `\tstidxutfword{d\`ebutante}`[debutante]{débutante}  
2589 sporting a `\tstidxutfphrase{berg\`ere hat}`[bergerehat]{bergère hat},  
2590 but it would be `\tstidxutfword{na\`ive}`[naive]{naïve}  
2591 to fall for such a `\tstidxutfword{f\`oe tid}`[foetid]{fœtid}  
2592 `\tstidxutfword{clich\`e}`[cliche]{cliché}.  
2593 This `\tstidxword{paragraph}` is in a state of  
2594 `\tstidxutfword{d\`eshabill\`e}`[deshabille]{deshabillé}.  
2595 Like a `\tstidxword{sculpture}` of `\tstidxword{Venus}` in a  
2596 `\tstidxutfword{n\`eglig\`ee}`[negligee]{négligée}, it's transparently  
2597 obvious that this `\tstidxword{paragraph}` is provided for the sole purpose of  
2598 `\tstidxword{ogling}``\tstindexsee{gawping}`{see}{ogling}  
2599 `\tstidxphrase{extended Latin characters}` and testing  
2600 how `\tstidxapp{xindy}` and `\tstidxapp{makeindex}` compare.  
2601 Time for a quick trip to the `\tstidxutfword{caf\`e}`[cafe]{café}  
2602 for an `\tstidxutfword{an\`ae mic}`[anaemic]{anæmic}  
2603 `\tstidxphrase{cup of tea}` (to `\tstidxword{recover}` from our travels) with  
2604 `\tstidxutfperson{Anders Jonas}{\`AA ngstr\`om}`[AndersJonasAngstrom]%  
2605 {Anders Jonas}{Ångström} (but don't let it scald your  
2606 `\tstidxutfword{\`oe sophagus}`[oesophagus]{æsophagus})  
2607 and then off to find a `\tstidxword{zoo}`  
2608 in `\tstidxutfplace{\`Osterg\`otland}`[Ostergotland]{Östergötland},  
2609 so we can get to the end of the `\tstidxword{alphabet}`. (We may even  
2610 see an adventurous `\tstidxword{aardvark}` or  
2611 a lucky `\tstidxgphword{llama}`{llama}{llama} or a  
2612 `\tstidxword{rhinoceros}` eating `\tstidxword{rhubarb}`.) Perhaps  
2613 then we should go over to  
2614 `\tstidxutfplace{\`Angelholm}`[Angelholm]{Ängelholm}  
2615 and head off across the  
2616 `\tstidxutfplace{\`O resund}`[Oresund]{Øresund} bridge and  
2617 `\tstidxword{resume}` our search for some more examples.  
2618 We'll go on a `\tstidxphrase{whistle-stop tour}` around  
2619 `\tstidxutfplace{T\`r\`a\`rnby}`[Tarnby]{Tårnby},  
2620 `\tstidxutfplace{R\`o\`dovre}`[Rodovre]{Rødovre},  
2621 `\tstidxutfplace{N\`ae\`stved}`[Naestved]{Næstved} and  
2622 `\tstidxutfplace{\`O\`lstykke-Sten\`o\`se}`[OlstykkeStenlose]{Ølstykke-Stenløse}.

```

2623 Afterwards, we'll \tstidxword{fly} to
2624 \tstidxplace{Poland} (possibly in an \tstidxword{aeroplane}\tstidxdash
2625 if passengers would like to look out of their \tstidxword{window}, they'll
2626 see we're passing over
2627 \tstidxutfplace{A\ss lar}[Asslar]{Aßlar} and
2628 \tstidxutfplace{Bad Gottleuba-Berggie\ss h\"ubel}[BadGottleubaBerggiesshubel]{Bad
2629 and then we'll say
2630 \tstidxqt{\tstidxutfword{cze\s\'c}[czesc]{cześć} to
2631 \tstidxutfplace{\L\'od\'z}[Lodz]{Łódź}, and visit
2632 \@tstidx@if@notOT@ne
2633 {%
2634   \tstidxutfplace{\'Swi\k{e}tokrzyskie}[Swietokrzyskie]{Świętokrzyskie}%
2635   \ifxetex
2636   \else
2637     \ifluatex
2638     \else
2639       \space(that one will cause a problem for certain font encodings
2640       because of the \tstidxword{ogonek} and
2641       will be omitted if you use the default
2642       \tstidxsubword{font encoding}{OT1}
2643       encoding, but not if you use the \tstidxsty{fontenc}
2644       package\tstindexstysee{fontenc}{seealso}{inputenc} with,
2645       for example, the \tstidxstyopt{fontenc}{T1} option)%
2646   \fi
2647   \fi,
2648 }%
2649 {%
2650   [a place with an \tstidxword{ogonek} has been omitted because this document
2651   is using the default \tstidxsubword{font encoding}{OT1} font
2652   encoding\tstidxdash try loading the \tstidxsty{fontenc}
2653   package\tstindexstysee{fontenc}{seealso}{inputenc} with the
2654   \tstidxstyopt{fontenc}{T1} option],
2655 }%
2656 \tstidxutfplace{\.Zory}[Zory]{Żory},
2657 \tstidxutfplace{\.Zelech\'ow}[Zelechow]{Żelechów},
2658 \tstidxutfplace{\L obez}[Lobez]{Łobez},
2659 \tstidxutfplace{G\l og\'ow}[Glogow]{Głogów}
2660 (not to be confused with \tstidxplace{Glasgow}),
2661 \tstidxutfplace{\'Cmiel\'ow}[Cmielow]{Ćmielów},
2662 \tstidxutfplace{\'Scinawa}[Scinawa]{Ścinawa}
2663 and
2664 \tstidxutfplace{\'Swidnica}[Swidnica]{Świdnica}.
2665 Then let's \tstidxword{sail} to \tstidxplace{Iceland} (possibly in
2666 a \tstidxword{ship}) and visit the lakes of
2667 \tstidxplace{Iceland}, such as
2668 \tstidxutfplace{\"Olvesvatn}[Olvesvatn]{Ölvesvatn},
2669 \tstidxutfplace{\'Ulfsvatn}[Ulfsvatn]{Úlfsvatn},
2670 \tstidxutfplace{\'Anavatn}[Anavatn]{Ánavatn},
2671 \tstidxutfplace{M\'asvatn}[Masvatn]{Másvatn},

```

```

2672 \@tstidx@if@notOT@ne
2673 {%
2674   \tstidxutfplace{\TH r'\{i}hyrningsvatn}[Thrihyrningsvatn]{Þríhyrningsvatn}
2675   (that one starts with a
2676   \tstidxutfword{thorn (\th)}[thorn]{thorn (þ)}%
2677   \tstindexutfsee{\th}{þ}[thornletter]{see}[thorn]{thorn (\th)}{thorn (þ)},
2678   \tstidxutfplace{Sigr'\{i}\dh arsta\dh avatn}[Sigridharstadhavatn]{Sigríðarstaða}
2679   (that one has an \tstidxutfword{eth (\dh)}[eth]{eth (ð)}%
2680   \tstindexutfsee{\dh}{ð}[ethletter]{see}[eth]{eth (\dh)}{eth (ð)}%
2681   \ifxetex
2682   )%
2683   \else
2684     \ifluatex
2685     )%
2686     \else
2687       \tstidxdash those last two will also be omitted if you use the default
2688       \tstidxword{OT1} \tstidxword{font encoding})%
2689     \fi
2690   \fi,
2691 }%
2692 {%
2693 [a couple of lakes with a \tstidxword{thorn} and an
2694 \tstidxword{eth} have been omitted because this document is using the
2695 default \tstidxword{OT1} \tstidxword{font encoding}\tstidxdash try loading
2696 \tstidxsty{fontenc} with the \tstidxstyopt{fontenc}{T1} option],
2697 }%
2698 \tstidxutfplace{Gr\ae navatn}[Graenavatn]{Grænavatn},
2699 \tstidxutfplace{\ 'Arnesl\ 'on}[Arneslon]{Árneslón}
2700 and
2701 \tstidxutfplace{\ 'Ish\ 'olsvatn}[Isholsvatn]{Íshólsvatn}.
2702 If you are using this with \tstidxapp{xindy} and
2703 \tstidxword{UTF-8}, try this out with a different language option,
2704 for example \tstidxappopt{xindy}{-L swedish} or
2705 \tstidxappopt{xindy}{-L danish} or \tstidxappopt{xindy}{-L german-duden} or
2706 \tstidxappopt{xindy}{-L german-din5007} or \tstidxappopt{xindy}{-L polish} or
2707 \tstidxappopt{xindy}{-L icelandic}.
2708 \@tstidx@ifgerman
2709 {I notice you've use the \tstidxstyopt{testidx}{german} or
2710 \tstidxstyopt{testidx}{ngerman} package option. This means that if you want
2711 to use \tstidxapp{makeindex} instead of \tstidxapp{xindy}, you can
2712 use \tstidxapp{makeindex}'s \tstidxappopt{makeindex}{-g} option.%
2713 }%
2714 {%
2715 If you want to use \tstidxapp{makeindex} instead of
2716 \tstidxapp{xindy}, then the package option \tstidxstyopt{testidx}{german} or
2717 \tstidxstyopt{testidx}{ngerman} will allow you to use
2718 \tstidxapp{makeindex}'s \tstidxappopt{makeindex}{-g} option.%
2719 }%
2720 \@tstidx@ifutfviii

```

```

2721 {%
2722   \ifxetex
2723   \else
2724     \ifluatex
2725     \else
2726       \@tidx@sanitizernote
2727     \fi
2728   \fi
2729 }%
2730 { No UTF-8 support has been detected for this document.\@tidx@stripaccentsnote}%
2731 }

```

@sanitizernote

```

2732 \newcommand{\@tidx@sanitizernote}{%
2733   \space You currently have the
2734   \@tstidx@ifsanitize
2735   {\@tstidxstyopt{testidx}{sanitize} option on.
2736   This means that the words containing \@tstidxword{UTF-8} characters will
2737   first be sanitized before being passed to \@tstidxphrase{indexing application}
2738   which will allow you to test how well the \@tstidxphrase{indexing application}
2739   sorts \@tstidxword{UTF-8} characters. If you'd rather test how
2740   \@tstidxcs{index} writes these characters to the file read by the
2741   indexing application, use the \@tstidxstyopt{testidx}{nosanitize}
2742   option instead. This may cause the \@tstidxword{UTF-8} characters to be
2743   written in terms of \@tstidxcs{IeC}.%
2744 }%
2745 {\@tstidxstyopt{testidx}{nosanitize} option on.
2746 This means that the words containing \@tstidxword{UTF-8} characters
2747 may be written to the file processed by the
2748 \@tstidxphrase{indexing application} in terms of
2749 \@tstidxcs{IeC}. This allows you to test how \@tstidxcs{index} behaves.
2750 If you'd rather test how the indexing application sorts
2751 \@tstidxword{UTF-8} characters, use the \@tstidxstyopt{testidx}{sanitize}
2752 option instead, which will sanitize the \@tstidxword{UTF-8} characters
2753 before passing them to \@tstidxcs{tstindex}.%
2754 }%
2755 }

```

stripaccentsnote

```

2756 \newcommand{\@tidx@stripaccentsnote}{%
2757   \space The \@tstidxstyopt{testidx}{stripaccents} package option will
2758   effectively do, for example,
2759   \texttt{\@string\index\char`\{elite@\string\char`\}}
2760   whereas the
2761   \@tstidxstyopt{testidx}{nostripaccents} package option will
2762   effectively do, for example,
2763   \texttt{\@string\index\char`\{\string\char`\}}.
2764   These options have no effect in UTF-8 mode.%
2765 }

```



tidx@par@viii

```
2766 \tstidxnewblock
2767 {%
2768 Don't forget there's also a \tstidxphrase{number group}, so let's
2769 have some numbers.
2770 \tstidxartbook{The}{Hitchhiker's Guide to the Galaxy} has
2771 of course propelled the number \tstidxnumber{42} to stardom, as the
2772 answer to \tstidxword{life}, the \tstidxword{universe} and
2773 everything. We usually deal in base~\tstidxnumber{10}, but sometimes
2774 base~\tstidxnumber{16} is useful to programmers, and computers
2775 prefer base~\tstidxnumber{2} (and \tstidxnumber{2} is the only
2776 \tstidxword{even} \tstidxword{prime number}). A \tstidxword{century} in
2777 \tstidxword{cricket} means \tstidxnumber{100} runs, and in the
2778 \tstidxword{calendar} \tstidxnumber{100} years.
2779 \@tidx@numberlettergroup
2780 Whilst we're on the subject of numbers, let's try out some
2781 equations.
2782 \begin{equation}
2783 \tstidxmath{E}{E} = mc^2
2784 \end{equation}
2785 \@tstidx@ifamsmath
2786 {%
2787 Since this document is using \tstidxsty{amsmath}, let's try out
2788 the \tstidxenv{align} environment:
2789 \begin{align}
2790 \tstidxmath{f(x)}{f(\protect\vec{x})} &=
2791 \tstidxmathsym{\alpha}{\protect\alpha}
2792 \tstidxmathsym{\sum}{\protect\sum}_i^{\tstidxmath{n}{n}} x_i
2793 +\tstidxmathsym{\beta}{\protect\beta} \sum_i^n x_i^2
2794 +\tstidxmathsym{\gamma}{\protect\gamma} \\
2795 \frac{\tstidxmathsym{\partial}{\protect\partial}f}{\partial x_j} &=
2796 \alpha + 2\beta x_j
2797 \end{align}
2798 \@tidx@scriptnote
2799 If this document hadn't loaded the \tstidxsty{amsmath} package,
2800 we would have had to use the \tstidxenv{eqnarray} environment
2801 instead.
2802 }%
2803 {%
2804 This document doesn't load the \tstidxsty{amsmath} package, so
2805 let's try out the \tstidxenv{eqnarray} environment:
2806 \begin{eqnarray}
2807 \tstidxmath{f(x)}{f(\protect\vec{x})} &=&
2808 \tstidxmathsym{\alpha}{\protect\alpha}
2809 \tstidxmathsym{\sum}{\protect\sum}_i^{\tstidxmath{n}{n}} x_i
2810 +\tstidxmathsym{\beta}{\protect\beta} \sum_i^n x_i^2
2811 +\tstidxmathsym{\gamma}{\protect\gamma} \\
2812 \frac{\tstidxmathsym{\partial}{\protect\partial}f}{\partial x_j} &=&
2813 \alpha + 2\beta x_j
```

```

2814 \end{eqnarray}
2815   \@tidx@scriptnote
2816   If you load the \tstidxsty{amsmath} package, we'll test the
2817   \tstidxenv{align} environment instead.
2818   }%
2819   Incidentally, that's just a regular partial derivative symbol
2820   $\tstidxmathsym{partial}{\protect\partial}$. Not to be confused
2821   with the spin-weighted partial derivative
2822   \@tstidx@ifamssymb{$\tstidxmathsym{eth}[spinderiv]{\protect\eth}$,
2823   which can be displayed here as this document has loaded the
2824   \tstidxsty{amssymb} package}
2825   {[you need the \tstidxsty{amssymb} package for that symbol]}.
2826 \@tidx@mathslettergroup
2827 \iftestidxprefix
2828 I've done something similar with the \tstidxwordpl{marker} where I've used
2829 \texttt{\tstidxindexmarkerprefix} as the \tstidxword{prefix}.%
2830 \else
2831 With the prefixes on I can also do something similar with the
2832 \tstidxwordpl{marker} where I'll use
2833 \texttt{\tstidxindexmarkerprefix} as the \tstidxword{prefix}.%
2834 \fi
2835 }

```

dx@scriptnote

```

2836 \newcommand{\@tidx@scriptnote}{%
2837   (Note how the subscripts and superscripts can be affected
2838   by material inserted between the symbol and the sub- and
2839   superscripts.)
2840 }

```

erlettergroup

```

2841 \newcommand*{\@tidx@numberlettergroup}{%
2842   If you're using \tstidxapp{xindy}, you can provide a numbers group
2843   by adding the following to your \texttt{.xdy} module:
2844   \begin{flushleft}\ttfamily
2845   (define-letter-group \string"Numbers\string"\par
2846     \string:prefixes (\string"0\string" \string"1\string" \string"2\string"
2847     \string"3\string" \string"4\string" \string"5\string"
2848     \string"6\string" \string"7\string" \string"8\string"
2849     \string"9\string")\par
2850     \string:before \string"A\string")
2851   \end{flushleft}
2852 }

```

hslettergroup

```

2853 \newcommand*{\@tidx@mathslettergroup}{%
2854   \iftestidxprefix
2855   Now I've been a bit fancy here and inserted
2856   \texttt{\tstidxmathsymprefix} in front of

```

```

2857 the sort key so I can get \tstidxapp{xindy} to create a special
2858 group for the maths symbols. Here's
2859 \else
2860 This document has used the \tstidxstyopt{testidx}{noprefix}
2861 package option, which has switched of the sort prefixes.
2862 If you use the \tstidxstyopt{testidx}{prefix} option I can be a
2863 bit fancy here and insert
2864 \texttt{\tstidxmathsymprefix} in front of
2865 the sort key so I can get \tstidxapp{xindy} to create a special
2866 group for the maths symbols. When you switch on the prefixes here's
2867 \fi
2868 the code you can add to your \texttt{.xdy} file to implement it:
2869 \begin{flushleft}\ttfamily
2870 (define-letter-group \string"Maths\string"
2871   \string:prefixes (\string"\tstidxmathsymprefix\string")
2872   \string:before \string"Numbers\string")
2873 \end{flushleft}
2874 }

```

\@tidx@par@ix

```

2875 \tstidxnewblock*{\@tidx@closerangepar}%
2876 {%

```

**This isn't really a UTF-8 word but it needs a different label to avoid clashing with "recover".**

```

2877 Let's \tstidxutfword{re-cover}[reecover]{re-cover} old ground and
2878 talk about ranges again.
2879 This is the end of the \tstidxcloseword{range}
2880 \tstidxword{example} from \tstidxword{block}~\@tidx@openrangepar.
2881 There's not much else to say about this \tstidxword{block} really.
2882 It's quite boring, isn't it? However, you'll need it if you've
2883 included block~\@tidx@openrangepar. Unless you're testing for
2884 a mis-matched range, of course. That might be quite interesting,
2885 possibly, but I'm not going to \tstidxphrase{hold my breath}.%
2886 }

```

\@tidx@par@ix

```

2887 \tstidxnewblock
2888 {%
2889 Now this is going to be hard to believe\tstidxdash in fact I'm
2890 totally \tstidxword{gobsmacked} and utterly \tstidxword{astounded}
2891 \tstidxdash but I've discovered that we're still missing some
2892 \tstidxphrase{letter groups}, and I've run out of anything
2893 \tstidxword{quaint} to say, so I'm going to have to
2894 \tstidxword{yatter} for a while longer, which will probably make
2895 you \tstidxword{yawn} and fall \tstidxword{asleep}.
2896 What shall we talk about? My \tstidxword{quirky}
2897 \tstidxword{badinage} is about to \tstidxword{expire}. How about a
2898 \tstidxword{story}? Here's one I made up for my friend
2899 \tstidxperson{Paulo}{Cereda} in \tstidxsym{TeX}{\TeX}.SE chat because he likes
2900 ducks and is the creator of \tstidxapp{arara}.

```

2901 So, are you sitting comfortably? Then let's \tstidxword{begin}. By the way,  
2902 before I \tstidxword{forget}, it's called  
2903 \tstidxbook{Sir Quackalot and the Golden Arara} and is the  
2904 first story in  
2905 \tstidxartbook{The}{Adventures of Sir Quackalot}.  
2906 It's a \tstidxword{tale} of \tstidxword{adventure} and  
2907 \tstidxword{derring-do}. The \tstidxword{hero} of the  
2908 \tstidxword{story} is \tstidxperson{Sir}{Quackalot}, in case you  
2909 can't tell from the \tstidxword{title}.  
2910 \tstidxphrase{Once upon a time}, a long time ago in  
2911 \tstidxartphrase{a}{far away land}, there lived a  
2912 \tstidxword{knight}. He was \tstidxword{handsome}, he was  
2913 \tstidxword{bold}, he was \tstidxword{brave}.  
2914 He was\tstidxdash a \tstidxword{duck}. His \tstidxword{name} was  
2915 \tstidxperson{Sir}{Quackalot}.  
2916 One day \tstidxperson{the}{Fairy Goose} appeared.  
2917 \tstidxqt{Brave \tstidxword{knight},} she said. \tstidxqt{A terrible  
2918 \tstidxword{plight} has fallen on  
2919 the \tstidxword{land}. The evil \tstidxword{OgRe} has stolen  
2920 \tstidxartphrase{the}{Golden Arara}. Only you can save it.}  
2921 (That's a \tstidxword{reference} to  
2922 \tstidxsym{TeX}{\TeX}'s \tstidxphrase{output routine}, if you missed it.)  
2923 \tstidxqt{It will be a \tstidxword{perilous} \tstidxword{quest}, but find  
2924 \tstidxartphrase{the}{Mighty Helm of Knuth} and  
2925 \tstidxartphrase{the}{Legendary Sword} \tstidxword{xor} to aid you.} (Ask  
2926 \tstidxperson{David}{Carlisle} about the \tstidxword{xor}  
2927 \tstidxword{reference}.)%  
2928 }

\@tidx@par@xi

2929 \tstidxnewblock  
2930 {%  
2931 So \tstidxperson{Sir}{Quackalot} set out on his \tstidxword{quest}.  
2932 (This is the \tstidxword{continuation} from  
2933 the previous \tstidxword{block}, for any \tstidxword{newcomers}  
2934 who have just turned up.) He soon arrived at  
2935 \tstidxartphrase{the}{Bog of Eternal Glossaries} (that's a  
2936 reference to my \tstidxsty{glossaries} package, and it's also a  
2937 \tstidxword{nod} to \tstidxartplace{the}{Bog of Eternal Stench} in  
2938 \tstidxfilm{Labyrinth}), in the  
2939 \tstidxword{centre} (or \tstidxword{center} for those of you  
2940 \tstidxphrase{across the pond}) of which was  
2941 suspended \tstidxartphrase{the}{Mighty Helm of Knuth}, but  
2942 \tstidxperson{Sir}{Quackalot} was learned in the \tstidxword{lore} of  
2943 installing \tstidxapp{Perl} and was able to leap upon the \tstidxword{magical}  
2944 \tstidxword{raft} \tstidxapp{makeglossaries} and steer his way through the  
2945 \tstidxword{external} \tstidxphrasepl{indexing application} and their many  
2946 arguments. (That's supposed to be a \tstidxword{pun}, but it's  
2947 \tstidxphrase{bad form} to explain the \tstidxword{joke}, and it

2948 wasn't even particularly \tstidxword{witty}.  
2949 Incidentally, \tstidxperson{Joseph}{Wright} makes a  
2950 \tstidxword{cameo} at this point with the  
2951 \tstidxword{exclamation} \tstidxqt{fetchez la vache!}\ but you'll have to  
2952 ask \tstidxperson{Paulo}{Cereda} what  
2953 that's all about. It wouldn't surprise me if it had something to  
2954 do with \tstidxphrase{Monty Python}.)%  
2955 }

@tidx@par@xii

2956 \tstidxnewblock  
2957 {%  
2958 Anyway, where were we? Oh, yes. He (that's  
2959 \tstidxperson{Sir}{Quackalot} we're talking about, if you've only  
2960 just joined us) snatched up \tstidxartphrase{the}{Mighty Helm of Knuth} and  
2961 escaped from the \tstidxword{perilous} \tstidxword{bog}. Soon he came to  
2962 \tstidxartphrase{the}{Dread Vale of the Editors}, guarded  
2963 at either end by the ever-quarrelling  
2964 \tstidxword{leviathans} \tstidxapp{Emacs} and \tstidxapp{Vi}.  
2965 As he approached the \tstidxword{vale}, Emacs uttered the  
2966 \tstidxphrase{magic incantation} that  
2967 sent forth \tstidxartphrase{the}{butterflies of chaos}.  
2968 (I know \tstidxqt{\tstidxword{doom}} is more appropriate but,  
2969 as is \tstidxphrase{common knowledge}, \tstidxword{chaos} is a  
2970 \tstidxword{butterfly} \tstidxword{motif}.)%  
2971 }

tidx@par@xiii

2972 \tstidxnewblock  
2973 {%  
2974 But \tstidxperson{Sir}{Quackalot} was protected by  
2975 \tstidxartphrase{the}{Mighty Helm of Knuth} and  
2976 raced past into the \tstidxword{vale}, where he found  
2977 \tstidxartphrase{the}{Legendary Sword} \tstidxword{xor} in  
2978 the centre of the great \tstidxsty{longtable}. (\tstidxword{Ooh}, I've started a  
2979 \tstidxword{sentence} with a \tstidxword{conjunction}).  
2980 How \tstidxword{naughty} is that?)  
2981 With a great \tstidxword{leap} and a \tstidxword{bound},  
2982 \tstidxperson{Sir}{Quackalot} plucked out the \tstidxword{sword} and  
2983 headed for the far end of the \tstidxword{vale}.  
2984 Up pounced \tstidxapp{Vi} and belched forth a \tstidxword{myriad}  
2985 of \tstidxword{clones} that bore down on  
2986 \tstidxperson{Sir}{Quackalot}. But, brandishing the \tstidxword{sword}  
2987 \tstidxword{xor}, \tstidxperson{Sir}{Quackalot} sliced them down.  
2988 (There's some \tstidxword{repetition} there, but hopefully no one's  
2989 noticed. There's even more coming up in the next  
2990 \tstidxword{block}.)%  
2991 }

@tidx@par@xiv

2992 \tstidxnewblock\*{\@tidx@close@testidxsty}%  
2993 {%  
2994 \tstidxperson{Sir}{Quackalot} escaped from  
2995 \tstidxartphrase{the}{Dread Vale of the Editors} and set off  
2996 up the path that led to the evil \tstidxword{OgRe}'s \tstidxword{lair}.  
2997 As \tstidxperson{Sir}{Quackalot} approached, there was a fearful  
2998 \tstidxword{roar}, and the \tstidxword{OgRe} pounced on \tstidxperson{Sir}{Quackalo  
2999 The brave \tstidxword{knight} raised his powerful \tstidxword{sword}  
3000 \tstidxword{xor} and brought it down on the \tstidxword{OgRe}, destroying him.  
3001 \tstidxperson{Sir}{Quackalot} rescued \tstidxartphrase{the}{Golden Arara}  
3002 and the \tstidxword{land} was once more restored to \tstidxword{peace} and  
3003 \tstidxword{harmony} and  
3004 \tstidxwordpl{paragraph} were able to \tstidxword{span}  
3005 \tstidxphrasepl{page break} without \tstidxword{fear}.  
3006 \tstidxartphrase{The}{End}. Don't miss the next \tstidxword{thrilling}  
3007 \tstidxword{adventure} \tstidxbook{Sir Quackalot and the Hyper Lake of Doom}  
3008 where our \tstidxword{seaborne} \tstidxphrase{intrepid hero}%  
3009 \tstindexsubsee{hero}{intrepid}[hero.intrepid]{see}{intrepid hero} meets a \tstidxw  
3010 \tstidxword{seal} with a \tstidxword{zither} (a \tstidxword{zealous}  
3011 \tstidxword{fan} of \tstidxartfilm{The}{Third Man}), a \tstidxword{youthful}  
3012 \tstidxphrase{sea lion} with a \tstidxword{magic}  
3013 \tstidxword{yo-yo}, and a \tstidxword{wily} \tstidxword{wombat}  
3014 \tstidxword{warrior} with a \tstidxword{laser-guided}  
3015 \tstidxphrase{sealant gun}. Can they defeat the  
3016 \tstidxword{villainous}, \tstidxword{zany} \tstidxword{zoologist}  
3017 sailing a \tstidxword{xebec} across the \tstidxword{sea} bearing canisters of  
3018 \tstidxword{xenon}, \tstidxword{xylem} and \tstidxword{xylene}?  
3019 Oh, \tstidxword{zounds}! He's \tstidxword{ashore} wearing  
3020 a \tstidxphrase{zoot suit} and smoking a \tstidxword{zucchini}  
3021 whilst playing a \tstidxword{xylophone}.  
3022 As one \tstidxphrase{anonymous reviewer} said,  
3023 it's as \tstidxword{exhilarating} as watching a \tstidxword{yuppie}  
3024 eating a \tstidxphrase{yule log} soaked in \tstidxphrase{yoghurt}.  
3025 Hmm, \tstidxword{yummy}\tstidxdash or \tstidxword{yuck}, depending  
3026 on your tastes. Don't forget to \tstidxword{check} you  
3027 have some \tstidxword{chalk} so we can write  
3028 \tstidxword{ddisgynedig} and \tstidxword{ddyrchafedig}  
3029 in \tstidxplace{Nghaerdydd} (over in \tstidxplace{Nghymru})  
3030 because I want a few more words with \tstidxwordpl{digraph},  
3031 and then we can take a \tstidxword{ffotograff} of  
3032 \tstidxplace{Ffestiniog}.%  
3033 }

\@tidx@par@xv

3034 \tstidxnewblock  
3035 {%  
3036 Oh, did I tell you about the \tstidxphrase{vice-president} who was  
3037 a \tstidxword{Viking} in a \tstidxword{vignette}? No? Well, I can't

```

3038 quite remember the \tstidxword{story} myself, but it had something
3039 to do with a \tstidxphrase{vice admiral} with a
3040 \tstidxphrase{Victoria plum} and a \tstidxphrase{viceroy} with
3041 a \tstidxphrase{Victoria sponge}, or was it
3042 \tstidxphrase{vice versa}? The \tstidxphrase{vice chancellor}
3043 preferred \tstidxword{vichyssoise}.
3044 For \tstidxphrase{letter ordering} use the \tstidxappopt{makeindex}{-l} option
3045 with \tstidxapp{makeindex} or the \texttt{ord/letorder} module
3046 with \tstidxapp{xindy} (\tstidxappopt{xindy}{-M ord/letorder}).
3047 If you omit this, the default
3048 \tstidxphrase{word ordering} is used. The ordering in the
3049 \tstidxbook{Compact Oxford English Dictionary} (third edition,
3050 revised) for these words are: vice admiral, vice chancellor, vice-president,
3051 \tstidxword{viceregal}, viceroy, vice versa. Quick
3052 \tstidxword{quiz}. Can you get \tstidxapp{makeindex} or
3053 \tstidxapp{xindy} to reproduce that order?%
3054 }

```

@tidx@par@xvi

```

3055 \tstidxnewblock*{\@tidx@close@testidxsty}%
3056 {%
3057 This is the final \tstidxword{block} of dummy text
3058 provided by the \tstidxclosesty{testidx} package. This block
3059 contains the close of a \tstidxword{range} that was started in block~1.
3060 Fun, wasn't it?%
3061 }

```

## 8 Support for glossaries

This package allows the dummy text to work with the glossaries (or glossaries-extra) package. Instead of using `\index`, the entries are first defined and then used in the dummy text.

```

3062 \NeedsTeXFormat{LaTeX2e}
3063 \ProvidesPackage{testidx-glossaries}[2019/09/29 v1.2 (NLCT)]

```

glossariespkg By default just load glossaries.

```

3064 \newcommand*\tstidx@glossariespkg{glossaries}

```

Pass options to glossaries, unless glossaries has already been loaded, in which case use `\setupglossaries`

tupglossaries

```

3065 \@ifpackageloaded{glossaries}
3066 {%
3067 \newcommand*\tstidx@setupglossaries[1]{\setupglossaries{#1}}%
3068 }%
3069 {%
3070 \newcommand*\tstidx@setupglossaries[1]{%
3071 \PassOptionsToPackage{#1}{glossaries}%
3072 }
3073 }

```

ossariesextra For options specific to glossaries-extra.

```
3074 \@ifpackageloaded{glossaries-extra}
3075 {%
3076   \newcommand*{\tstidx@setupglossariesextra}[1]{\glossariesextrasetup{#1}}%
3077 }%
3078 {%
3079   \newcommand*{\tstidx@setupglossariesextra}[1]{%
3080     \PassOptionsToPackage{#1}{glossaries-extra}%
3081   }
3082 }
```

@usemakegloss

```
3083 \newcommand*{\tstidx@usemakegloss}{\PackageError{testidx-glossaries}{You
3084 need to put \string\tstidxmakegloss\MessageBreak in the preamble in order
3085 to use\MessageBreak \string\tstidx\space with testidx-glossaries}{}}
```

**Need to know whether to use \makeglossaries, \makenoidxglossaries, \GlsXtrLoadResources.**

tidxmakegloss

```
3086 \newcommand*{\tstidxmakegloss}[1][[]]{%
3087   \@tstidx@ifgerman{\GlsSetQuote{+}}{}}%
3088   \tstidxdefaultmakegloss
3089 }
```

**Similarly for displaying the glossary.**

intglossaries

```
3090 \newcommand*{\tstidxprintglossaries}{\printglossaries}
```

**Similarly for displaying the glossary.**

printglossary

```
3091 \newcommand*{\tstidxprintglossary}{\printglossary}
```

stidxtexfiles

```
3092 \newcommand*{\tstidxtexfiles}{testidx-glossaries-samples,\tstidxglyphfile}
```

xbasebibfiles

```
3093 \newcommand*{\tstidxbasebibfiles}{testidx-glossaries-samples}
```

asciibibfiles

```
3094 \newcommand*{\tstidxasciibibfiles}{testidx-glossaries-samples-ascii}
```

dxutfbibfiles

```
3095 \newcommand*{\tstidxutfbibfiles}{testidx-glossaries-samples-utf8}
```

dxloadsamples **Set up \tstidxmakegloss to use \makenoidxglossaries (use  $\TeX$  to sort and collate).**

```
3096 \newcommand*{\tstidxloadsamples}{%
3097   \@for\tstidxfile:=\tstidxtexfiles\do{\input{\tstidxfile}}%
3098   \renewcommand*{\tstidx@usemakegloss}{}}%
3099 }
```



```

aultmakegloss Set up \tstidxmakegloss to use \makeglossaries (either makeindex or xindy).
3100 \newcommand*{\tstidxdefaultmakegloss}{%
3101 \makeglossaries
3102 \tstidxloadsamples
3103 }

oidxmakegloss Set up \tstidxmakegloss to use \makenoidxglossaries (use TEX to sort and collate).
3104 \newcommand*{\tstidxnoidxmakegloss}{%
3105 \makenoidxglossaries
3106 \tstidxloadsamples
3107 }

xbibmakegloss
3108 \newcommand*{\tstidxbibmakegloss}[1]{%
3109 \def\@tstidx@resourceargs{%
3110 \@tstidx@ifutfviii
3111 {%
3112 \def\@tstidx@resource@src{\tstidxbasebibfiles,%
3113 \tstidxutfbibfiles,%
3114 \tstidxglyphfile-utf8}%
3115 }%
3116 {%
3117 \def\@tstidx@resource@src{\tstidxbasebibfiles,%
3118 \tstidxasciibibfiles,%
3119 testidx-glossaries-nodiglyphs}%
3120 }%
3121 \if@tstidx@setdescription
3122 \if@tstidx@useglsseekey
3123 \def\@tstidx@resourceargs{selection={recorded and deps and see}}%
3124 \else
3125 \def\@tstidx@resourceargs{ignore-fields={see,seealso}}%
3126 \fi
3127 \else
3128 \if@tstidx@useglsseekey
3129 \def\@tstidx@resourceargs{%
3130 selection={recorded and deps and see},
3131 ignore-fields={description}}%
3132 \else
3133 \def\@tstidx@resourceargs{%
3134 ignore-fields={description,see,seealso}}%
3135 \fi
3136 \fi
3137 \iftestidxprefix
3138 \tstidxloadglsresource{src={testidx-glossaries-mathsym},%
3139 group={Maths},sort={letter-case},\@tstidx@resourceargs}%
3140 \tstidxloadglsresource{src={testidx-glossaries-markers},%
3141 group={Markers},sort={letter-case},\@tstidx@resourceargs}%
3142 \iftstidxnumbergroup
3143 \tstidxloadglsresource{src={testidx-glossaries-numbers},%

```

```

3144         sort={integer}, \@tstidx@resourceargs}%
3145     \tstidxloadglsresource{src={\@tstidx@resource@src},%
3146         \@tstidx@resourceargs, #1}%
3147     \else
3148         \tstidxloadglsresource{src={testidx-glossaries-numbers,%
3149             \@tstidx@resource@src},%
3150             \@tstidx@resourceargs, #1}%
3151     \fi
3152 \else
3153     \iftstidxnumbergroup
3154         \tstidxloadglsresource{src={testidx-glossaries-numbers},%
3155             sort={integer}, \@tstidx@resourceargs}%
3156         \tstidxloadglsresource{%
3157             src={testidx-glossaries-mathsym,%
3158                 testidx-glossaries-markers,%
3159                 \@tstidx@resource@src},%
3160             \@tstidx@resourceargs, #1}%
3161     \else
3162         \tstidxloadglsresource{%
3163             src={testidx-glossaries-mathsym,%
3164                 testidx-glossaries-markers,%
3165                 testidx-glossaries-numbers,%
3166                 \@tstidx@resource@src},%
3167             \@tstidx@resourceargs, #1}%
3168     \fi
3169 \fi
3170 \renewcommand*{\tstidx@usemakegloss}{}%
3171 }

```

adglsresource

```

3172 \newcommand{\tstidxloadglsresource}[1]{%
3173     \iftestidxverbose
3174         \PackageInfo{testidx-glossaries}{\string\GlsXtrLoadResources[#1]}%
3175     \fi
3176     \GlsXtrLoadResources[#1]%
3177 }

```

**Determine whether to use the see (and seealso) key or \glssee.**

@useglsseekey

```

3178 \newif\if@tstidx@useglsseekey
3179 \@tstidx@useglsseekeytrue
3180 \DeclareOption{seekey}{\@tstidx@useglsseekeytrue}
3181 \DeclareOption{noseekey}{\@tstidx@useglsseekeyfalse}

```

**Determine whether to provide descriptions for the sample entries.**

etdescription

```

3182 \newif\if@tstidx@setdescription
3183 \@tstidx@setdescriptionfalse

```

```
3184 \DeclareOption{desc}{\@tstidx@setdescriptiontrue}
```

```
3185 \DeclareOption{nodesc}{\@tstidx@setdescriptionfalse}
```

Load glossaries-extra:

```
3186 \DeclareOption{extra}{\renewcommand*{\tstidx@glossariespkg}{glossaries-extra}}
```

Don't load glossaries-extra:

```
3187 \DeclareOption{noextra}{\renewcommand*{\tstidx@glossariespkg}{glossaries}}
```

x@ifusebibgls Determine if the bib2gls option was used.

```
3188 \newcommand*{\@tstidx@ifusebibgls}[2]{#2}
```

Use makeindex:

```
3189 \DeclareOption{makeindex}{%
```

```
3190 \let\tstidx@ifusebibgls\@secondoftwo
```

```
3191 \tstidx@setupglossaries{makeindex}%
```

```
3192 \renewcommand*{\tstidxmakegloss}[1][\]{%
```

```
3193 \tstidx@ifgerman{\GlsSetQuote{+}}{\}{%
```

```
3194 \tstidxdefaultmakegloss
```

```
3195 }%
```

```
3196 \renewcommand*{\tstidxprintglossaries}{\printglossaries}%
```

```
3197 \renewcommand*{\tstidxprintglossary}{\printglossary}%
```

```
3198 }
```

Use xindy:

```
3199 \DeclareOption{xindy}{%
```

```
3200 \let\tstidx@ifusebibgls\@secondoftwo
```

```
3201 \tstidx@setupglossaries{xindy}%
```

```
3202 \renewcommand*{\tstidxmakegloss}[1][\]{%
```

```
3203 \tstidxdefaultmakegloss
```

```
3204 }%
```

```
3205 \renewcommand*{\tstidxprintglossaries}{\printglossaries}%
```

```
3206 \renewcommand*{\tstidxprintglossary}{\printglossary}%
```

```
3207 }
```

Use TeX:

```
3208 \DeclareOption{tex}{%
```

```
3209 \let\tstidx@ifusebibgls\@secondoftwo
```

```
3210 \renewcommand*{\tstidxmakegloss}[1][\]{%
```

```
3211 \tstidxnoidxmakegloss
```

```
3212 }%
```

```
3213 \renewcommand*{\tstidxprintglossaries}{\printnoidxglossaries}%
```

```
3214 \renewcommand*{\tstidxprintglossary}{\printnoidxglossary}%
```

```
3215 }
```

Use bib2gls (requires glossaries-extra):

```
3216 \DeclareOption{bib2gls}{%
```

```
3217 \renewcommand*{\tstidx@glossariespkg}{glossaries-extra}%
```

```
3218 \let\tstidx@ifusebibgls\@firstoftwo
```

```
3219 \tstidx@setupglossariesextra{record}%
```

```

3220 \renewcommand*\tstidxmakegloss}[1][\%
3221 \tstidxbibmakegloss{#1}\%
3222 ]\%
3223 \renewcommand*\tstidxprintglossaries{\printunsrtglossaries}\%
3224 \renewcommand*\tstidxprintglossary{\printunsrtglossary}\%
3225 }

```

**Indicate that \tstidxmakegloss won't be used:**

```

3226 \DeclareOption{manual}{\%
3227 \renewcommand*\tstidx@usemakegloss}{\%
3228 \renewcommand*\tstidxmakegloss}[1][\%
3229 \PackageWarning{testidx-glossaries}{\string\tstidxmakegloss\space
3230 disabled by `manual' package option}\%
3231 ]\%
3232 \renewcommand*\tstidxprintglossaries{\%
3233 \PackageWarning{testidx-glossaries}{\string\tstidxprintglossaries\space
3234 disabled by `manual' package option}\%
3235 ]\%
3236 \renewcommand*\tstidxprintglossary{\%
3237 \PackageWarning{testidx-glossaries}{\string\tstidxprintglossary\space
3238 disabled by `manual' package option}\%
3239 ]\%
3240 }

```

dxnumbergroup

```

3241 \newif\iftstidxnumbergroup
3242 \tstidxnumbergrouptrue
3243 \DeclareOption{noglsnumbers}{\tstidxnumbergroupfalse}
3244 \DeclareOption{glsnumbers}{\tstidxnumbergrouptrue}

```

**Pass remaining options to testidx:**

```

3245 \DeclareOption*\PassOptionsToPackage{\CurrentOption}{testidx}

```

**Process options:**

```

3246 \ProcessOptions

```

**Load required packages.**

```

3247 \RequirePackage{testidx}

```

**Pass options to glossaries according to the options passed to testidx.**

```

3248 \@tstidx@ifsanitize
3249 {\tstidx@setupglossaries{sanitizesort=true}}
3250 {\tstidx@setupglossaries{sanitizesort=false}}

```

**Load glossaries (or glossaries-extra, which internally loads glossaries).**

```

3251 \RequirePackage{\tstidx@glossariespkg}

```

**Load glossary-mcols so the default glossary style can be set to mcolindexgroup.**

```

3252 \RequirePackage{glossary-mcols}

```

Set the default style according to whether or not the entries should include descriptions.

```
3253 \if@tstidx@setdescription
3254 \setupglossaries{nopostdot=false}
3255 \setglossarystyle{indexgroup}
3256 \else
3257 \setupglossaries{nopostdot}
3258 \setglossarystyle{mcolindexgroup}
3259 \fi
```

Implement number group setting if xindy setting on.

```
3260 \ifglxindy
3261 \iftstidxnumbergroup
3262 \gls@xindy@glxnumberstrue
3263 \else
3264 \gls@xindy@glxnumbersfalse
3265 \fi
3266 \fi
```

Check if the seealso key is available:

hasseealsokey

```
3267 \newif\if@tstidx@hasseealsokey
3268 \key@ifundefined{glossentry}{seealso}%
3269 {\@tstidx@hasseealsokeyfalse}
3270 {\@tstidx@hasseealsokeytrue}
```

Check if verbose mode is on.

```
3271 \iftstidxverbose
```

@writeglsinfo If verbose mode is on write entry information to the log file.

```
3272 \appto\@newglossaryentryposthook{\@tstidx@writeglsinfo}
3273 \newcommand\@tstidx@writeglsinfo{%
3274 \letcs{\@tstidx@sort}{glo@glxdetoklabel{\@glo@label}@sort}%
3275 \@onelevel@sanitize\@tstidx@sort
3276 \letcs{\@tstidx@name}{glo@glxdetoklabel{\@glo@label}@name}%
3277 \@onelevel@sanitize\@tstidx@name
3278 \letcs{\@tstidx@text}{glo@glxdetoklabel{\@glo@label}@text}%
3279 \@onelevel@sanitize\@tstidx@text
3280 \ifcsdef{glo@glxdetoklabel{\@glo@label}@parent}%
3281 {\letcs\@tstidx@parent{glo@glxdetoklabel{\@glo@label}@parent}}%
3282 {\def\@tstidx@parent{}}%
3283 \PackageInfo{testidx-glossaries}{new term label={\@glo@label},
3284 \MessageBreak
3285 name={\@tstidx@name},
3286 \MessageBreak
3287 sort={\@tstidx@sort},
3288 \MessageBreak
3289 text={\@tstidx@text},
3290 \MessageBreak
3291 parent={\@tstidx@parent},
```

```

3292 \MessageBreak
3293 see={\@glo@see}%
3294 \if@tstidx@hasseealsokey
3295   , \MessageBreak
3296   seealso={\@glo@seealso}
3297 \fi
3298 \MessageBreak
3299 }%
3300 }

```

If verbose mode is on, write information if  $\TeX$  is used to sort the entries.

@sortedinsert

```

3301 \let\tstidx@org@glo@sortedinsert\@glo@sortedinsert
3302 \renewcommand{\@glo@sortedinsert}[2]{%
3303   \typeout{#2}%
3304   \tstidx@org@glo@sortedinsert{#1}{#2}%
3305 }
3306 \fi

```

Write a warning message when  $\TeX$  is about to sort the entries, so the user doesn't think the build process has hung. This is already implemented in later versions of glossaries, so check for the command that issues the message.

@sortentries

```

3307 \ifdef\glosortentrieswarning
3308 {}
3309 {%
3310 \let\tstidx@org@glo@sortentries\@glo@sortentries
3311 \renewcommand{\@glo@sortentries}[2]{%
3312   \typeout{Using TeX to sort entries---this may take a while}%
3313   \tstidx@org@glo@sortentries{#1}{#2}%
3314 }
3315 }

```

@usemakegloss

```

3316 \newcommand*\@tstidx@usemakegloss{\tstidx@usemakegloss}

```

\tstidxtoidx **Restore original indexing definitions.**

```

3317 \newcommand*\tstidxtoidx{%
3318 \renewcommand*\@tstidx@usemakegloss{}%
3319 \let\@tstindex\@tstidx@org@index
3320 \let\@tstidxwordpl\@tstidx@org@wordpl
3321 \let\@tstidxphrasepl\@tstidx@org@phrasepl
3322 \let\@tstidxcs\@tstidx@org@cs
3323 \let\@tstindexpost\@tstidx@org@indexpost
3324 \let\@tstindexopenpost\@tstidx@org@indexopenpost
3325 \let\@tstindexclosepost\@tstidx@org@indexclosepost
3326 \let\@tstindexpre\@tstidx@org@indexpre

```

```

3327 \let\@tstindexopenpre\@tstidx@org@indexopenpre
3328 \let\@tstindexclosepre\@tstidx@org@indexclosepre
3329 \let\@tstindexsee\@tstidx@org@indexsee
3330 \let\@tstidx@indexsubsee\@tstidx@org@indexsubsee
3331 \let\@tstidx@subindexpost\@tstidx@org@subindexpost
3332 \let\@tstidx@subindexopenpost\@tstidx@org@subindexopenpost
3333 \let\@tstidx@subindexclosepost\@tstidx@org@subindexclosepost
3334 \let\@tstidx@subindexpre\@tstidx@org@subindexpre
3335 \let\@tstidx@subindexopenpre\@tstidx@org@subindexopenpre
3336 \let\@tstidx@subindexclosepre\@tstidx@org@subindexclosepre
3337 \let\@@tstidx@subsubindexpost\@tstidx@org@subsubindexpost
3338 \let\@@tstidx@subsubindexopenpost\@tstidx@org@subsubindexopenpost
3339 \let\@@tstidx@subsubindexclosepost\@tstidx@org@subsubindexclosepost
3340 \let\@@tstidx@subsubindexpre\@tstidx@org@subsubindexpre
3341 \let\@@tstidx@subsubindexopenpre\@tstidx@org@subsubindexopenpre
3342 \let\@@tstidx@subsubindexclosepre\@tstidx@org@subsubindexclosepre
3343 \let\@tidx@par@i\@tidx@org@par@i
3344 \let\@tidx@par@ii\@tidx@org@par@ii
3345 \let\@tidx@par@iii\@tidx@org@par@iii
3346 \let\@tidx@par@iv\@tidx@org@par@iv
3347 \let\@tidx@par@vi\@tidx@org@par@vi
3348 \let\@tidx@mathslettergroup\@tidx@org@mathslettergroup
3349 \let\@tidx@numberlettergroup\@tidx@org@numberlettergroup
3350 \let\@tidx@scriptnote\@tidx@org@scriptnote
3351 \let\@tidx@sanitizenote\@tidx@org@sanitizenote
3352 \let\@tidx@stripaccentsnote\@tidx@org@stripaccentsnote
3353 }

```

`\tstidxtogls` **Switch on glossary definitions.**

```

3354 \newcommand*\tstidxtogls{%
3355 \renewcommand*\@tstidx@usemakegloss{\tstidx@usemakegloss}%
3356 \let\@tstindex\@tstidx@org@index
3357 \let\@tstidxwordpl\@tstidx@gl@wordpl
3358 \let\@tstidxphrasepl\@tstidx@gl@phrasepl
3359 \let\@tstidxcs\@tstidx@gl@cs
3360 \let\@tstindexpost\@tstidx@gl@indexpost
3361 \let\@tstindexopenpost\@tstidx@gl@indexopenpost
3362 \let\@tstindexclosepost\@tstidx@gl@indexclosepost
3363 \let\@tstindexpre\@tstidx@gl@indexpre
3364 \let\@tstindexopenpre\@tstidx@gl@indexopenpre
3365 \let\@tstindexclosepre\@tstidx@gl@indexclosepre
3366 \let\@tstindexsee\@tstidx@gl@indexsee
3367 \let\@tstidx@indexsubsee\@tstidx@gl@indexsubsee
3368 \let\@tstidx@subindexpost\@tstidx@gl@subindexpost
3369 \let\@tstidx@subindexopenpost\@tstidx@gl@subindexopenpost
3370 \let\@tstidx@subindexclosepost\@tstidx@gl@subindexclosepost
3371 \let\@tstidx@subindexpre\@tstidx@gl@subindexpre
3372 \let\@tstidx@subindexopenpre\@tstidx@gl@subindexopenpre
3373 \let\@tstidx@subindexclosepre\@tstidx@gl@subindexclosepre

```

```

3374 \let\@@tstidx@subsubindexpost\@tstidx@gls@subsubindexpost
3375 \let\@@tstidx@subsubindexopenpost\@tstidx@gls@subsubindexopenpost
3376 \let\@@tstidx@subsubindexclosepost\@tstidx@gls@subsubindexclosepost
3377 \let\@@tstidx@subsubindexpre\@tstidx@gls@subsubindexpre
3378 \let\@@tstidx@subsubindexopenpre\@tstidx@gls@subsubindexopenpre
3379 \let\@@tstidx@subsubindexclosepre\@tstidx@gls@subsubindexclosepre
3380 \let\@tidx@par@i\@tidx@gls@par@i
3381 \let\@tidx@par@ii\@tidx@gls@par@ii
3382 \let\@tidx@par@iii\@tidx@gls@par@iii
3383 \let\@tidx@par@iv\@tidx@gls@par@iv
3384 \let\@tidx@par@vi\@tidx@gls@par@vi
3385 \let\@tidx@mathslettergroup\@tidx@gls@mathslettergroup
3386 \let\@tidx@numberlettergroup\@tidx@gls@numberlettergroup
3387 \let\@tidx@scriptnote\@tidx@gls@scriptnote
3388 \let\@tidx@sanitizernote\@tidx@gls@sanitizernote
3389 \let\@tidx@stripaccentsnote\@tidx@gls@stripaccentsnote
3390 }

```

\testidx

```

3391 \renewcommand*\testidx{%
3392   \@tstidx@usemakegloss
3393   \@ifstar
3394   {%
3395     \def\@testidx@block@sep{\space}%
3396     \@testidx
3397   }%
3398   {%
3399     \def\@testidx@block@sep{\tstidxdefblocksep}%
3400     \@testidx
3401   }%
3402 }

```

tidxglyphfile

```

3403 \iftestidxdiglyphs
3404   \newcommand*\tstidxglyphfile{testidx-glossaries-diglyphs}
3405 \else
3406   \newcommand*\tstidxglyphfile{testidx-glossaries-nodiglyphs}
3407 \fi

```

tstidxnewentry

```
\tstidxnewentry{<label>}{<category>}{<key=value list>}
```

Defines a new entry. If the glossaries-extra package has been loaded, also set the category.

```

3408 \ifpackageloaded{glossaries-extra}
3409 {
3410   \newcommand*\tstidxnewentry}[3]{\newglossaryentry{#1}{category={#2},#3}}
3411 }
3412 {
3413   \newcommand*\tstidxnewentry}[3]{\newglossaryentry{#1}{#3}}

```



3414 }

## 8.1 Indexing Command Modifications

Modify commands that index, so that they use the defined entries instead.

`\@tstindex` Do nothing

```
3415 \newcommand*{\@tstidx@gl@index}[1]{}
3416 \let\@tstidx@org@index\@tstindex
3417 \let\@tstindex\@tstidx@gl@index
```

`\tstidxwordpl`

```
3418 \newcommand*{\@tstidx@gl@wordpl}[2]{%
3419   {\def\tstidx@gl{\glspl}\def\tstidx@gl@entry{\gl@entryplural}%
3420   \tstidxword[#1]{#2}%
3421   }%
3422 }
3423 \let\@tstidx@org@wordpl\@tstidxwordpl
3424 \let\tstidxwordpl\@tstidx@gl@wordpl
```

`stidxphrasepl`

```
3425 \newcommand*{\@tstidx@gl@phrasepl}[2]{%
3426   {\def\tstidx@gl{\glspl}\def\tstidx@gl@entry{\gl@entryplural}%
3427   \tstidxphrase[#1]{#2}%
3428   }%
3429 }
3430 \let\@tstidx@org@phrasepl\@tstidxphrasepl
3431 \let\tstidxphrasepl\@tstidx@gl@phrasepl
```

`\tstidxcs`

```
3432 \newcommand*{\@tstidx@gl@cs}[2]{%
3433   \tstidxfmtpost{cs.#2}{\tstidxcsfmt}{#1}%
3434 }
3435 \let\@tstidx@org@cs\@tstidxcs
3436 \let\tstidxcs\@tstidx@gl@cs
```

`\tstidx@gl`

```
3437 \newcommand*{\tstidx@gl}{\gl}
```

`tidx@gl@entry`

```
3438 \newcommand*{\tstidx@gl@entry}{\gl@entrytext}
```

`\tstidx@label`

```
3439 \newcommand*{\tstidx@label}{\gl@label}
```

`\tstidx@encap`

```
3440 \newcommand*{\tstidx@encap}{}
```

\tstidx@range

```
3441 \newcommand*{\tstidx@range}{}
```

idx@openrange

```
3442 \newcommand*{\tstidx@openrange}{ ( }
```

dx@closerange

```
3443 \newcommand*{\tstidx@closerange}{ ) }
```

x@levelmarker

```
3444 \newcommand*{\tstidx@levelmarker}[4]{%  
3445   \ifcsdef{glo@#1@level}%  
3446   {%  
3447     \ifcase\csname glo@#1@level\endcsname  
3448     #2\or#3\else#4%  
3449     \fi  
3450   }%  
3451   {%  
3452     #2%  
3453   }%  
3454 }
```

glstextformat

```
3455 \newcommand*{\tstidx@post@glstextformat}[1]{%  
3456   \ifx\tstidx@encap\@empty  
3457   \iftestidxshowmarks  
3458     \ifx\tstidx@range\tstidx@openrange  
3459       \tstidxtext{#1%  
3460         \tstidx@levelmarker\tstidx@label  
3461         \tstidxopenmarker  
3462         \tstidxopensubmarker  
3463         \tstidxopensubsubmarker  
3464       }%  
3465     \else  
3466       \ifx\tstidx@range\tstidx@closerange  
3467         \tstidxtext{#1%  
3468           \tstidx@levelmarker\tstidx@label  
3469           \tstidxclosemarker  
3470           \tstidxclosesubmarker  
3471           \tstidxclosesubsubmarker  
3472         }%  
3473       \else  
3474         \tstidxtext{#1%  
3475           \tstidx@levelmarker\tstidx@label  
3476           \tstidxmarker  
3477           \tstidxsubmarker  
3478           \tstidxsubsubmarker  
3479         }%  
3480       \fi
```

```

3481   \fi
3482 \else
3483   #1%
3484 \fi
3485 \else
3486   \iftestidxshowmarks
3487     \tstidxtext{\tstidxencaptext{\@tstidx@encap}{#1%
3488     \tstidx@levelmarker\@tstidx@label
3489     \tstidxmarker
3490     \tstidxsubmarker
3491     \tstidxsubsubmarker
3492   }}%
3493 \else
3494   #1%
3495 \fi
3496 \fi
3497 }

```

glstextformat

```

3498 \newcommand*{\tstidx@pre@glstextformat}[1]{%
3499 \ifx\@tstidx@encap\@empty
3500 \iftestidxshowmarks
3501   \ifx\@tstidx@range\tstidx@openrange
3502     \tstidxtext{%
3503       \tstidx@levelmarker\@tstidx@label
3504       \tstidxopenmarker
3505       \tstidxopensubmarker
3506       \tstidxopensubsubmarker
3507     #1}%
3508 \else
3509   \ifx\@tstidx@range\tstidx@closerange
3510     \tstidxtext{%
3511       \tstidx@levelmarker\@tstidx@label
3512       \tstidxclosemarker
3513       \tstidxclosesubmarker
3514       \tstidxclosesubsubmarker
3515     #1}%
3516 \else
3517   \tstidxtext{%
3518     \tstidx@levelmarker\@tstidx@label
3519     \tstidxmarker
3520     \tstidxsubmarker
3521     \tstidxsubsubmarker
3522   #1}%
3523 \fi
3524 \fi
3525 \else
3526   #1%
3527 \fi

```

```

3528 \else
3529 \iftestidxshowmarks
3530 \tstidxtext{\tstidxencapttext{\@tstidx@encap}{%
3531 \tstidx@levelmarker\tstidx@label
3532 \tstidxmarker
3533 \tstidxsubmarker
3534 \tstidxsubsubmarker
3535 #1}}%
3536 \else
3537 #1%
3538 \fi
3539 \fi
3540 }

```

x@zapnonlabel

```

3541 \newcommand*{\@tstidx@zapnonlabel}[2]{%
3542 \ifx,#1\@empty\else\ifx'#1\@empty\else\ifx-#1\@empty\else#1\fi\fi\fi
3543 \ifx#2\@empty
3544 \else
3545 \expandafter\@tstidx@zapnonlabel
3546 \fi
3547 #2}

```

tidx@getlabel

```

3548 \newcommand*{\tstidx@getlabel}[1]{\@tstidx@zapnonlabel#1\@empty\@empty}

```

x@glspreindex

```

3549 \newcommand*{\tstidx@glspreindex}[2][ ]{%
3550 \glshyperlink[\glstextformat{}]{#2}\glsadd[#1]{#2}}

```

@glspostindex

```

3551 \newcommand*{\tstidx@glspostindex}[2][ ]{%
3552 \glsadd[#1]{#2}\glshyperlink[\glstextformat{}]{#2}}

```

\tstindexpost

```

3553 \def\@tstidx@gl@indexpost#1#2[#3]#4#5{%
3554 \bgroup
3555 \edef\@tstidx@label{\tstidx@getlabel{#3}}%
3556 \ifx\@tstidx@label\@empty
3557 \edef\@tstidx@label{\tstidx@getlabel{#1}}%
3558 \ifx\@tstidx@label\@empty
3559 \edef\@tstidx@label{\tstidx@getlabel{#2}}%
3560 \fi
3561 \fi
3562 \def\@tstidx@encap{#4}%
3563 \def\@tstidx@range{}%

```

Commands like `\gls` and `\glslink` put the indexing before the text, so we need to do the display text and then use `\glsadd`. Unless we have `glossaries-extra v1.14+`, in which case this is done automatically through the `wrgloss` setting.

```

3564 \let\tstidx@org@glstextformat\glstextformat
3565 \renewcommand\glstextformat[1]{\tstidx@post@glstextformat
3566   {\tstidx@org@glstextformat{##1}}}%
3567 \ifx\relax#5\relax
3568   \ifx\tstidx@encap\@empty
3569     \tstidx@glspostindex{\tstidx@label}%
3570   \else
3571     \tstidx@glspostindex[format={#4}]{\tstidx@label}%
3572   \fi
3573 \else
3574   \@ifundefined{glxtrinitwrgloss}%
3575   {%
3576     \glshyperlink[\glstextformat{\tstidx@glentry{\tstidx@label}}]{%
3577       {\tstidx@label}}%
3578     \ifx\tstidx@encap\@empty
3579       \glsadd{\tstidx@label}%
3580     \else
3581       \glsadd[format={#4}]{\tstidx@label}%
3582     \fi
3583   }%
3584   {%
3585     \ifx\tstidx@encap\@empty
3586       \tstidx@gls[wrgloss=after]{\tstidx@label}%
3587     \else
3588       \tstidx@gls[wrgloss=after,format={#4}]{\tstidx@label}%
3589     \fi
3590   }%
3591 \fi
3592 \egroup
3593 }
3594 \let\tstidx@org@indexpost\tstindexpost
3595 \let\tstindexpost\tstidx@gls@indexpost

```

indexopenpost

```

3596 \def\tstidx@gls@indexopenpost#1#2[#3]#4#5{%
3597   \bgroup
3598   \edef\tstidx@label{\tstidx@getlabel{#3}}%
3599   \ifx\tstidx@label\@empty
3600     \edef\tstidx@label{\tstidx@getlabel{#1}}%
3601   \ifx\tstidx@label\@empty
3602     \edef\tstidx@label{\tstidx@getlabel{#2}}%
3603   \fi
3604 \fi
3605 \def\tstidx@encap{#4}%
3606 \def\tstidx@range{()}%
3607 \let\tstidx@org@glstextformat\glstextformat
3608 \renewcommand\glstextformat[1]{\tstidx@post@glstextformat
3609   {\tstidx@org@glstextformat{##1}}}%
3610 \ifx\relax#5\relax

```

```

3611 \tstidx@glspostindex[format={#4}]{\@tstidx@label}%
3612 \else
3613 \@ifundefined{glxtrinitwrgloss}%
3614 {%
3615 \glshyperlink[\glstextformat{\tstidx@glentry{\@tstidx@label}}]%
3616 {\@tstidx@label}%
3617 \glsadd[format={#4}]{\@tstidx@label}%
3618 }%
3619 {%
3620 \tstidx@glswrgloss=after,format={#4}]{\@tstidx@label}%
3621 }%
3622 \fi
3623 \egroup
3624 }
3625 \let\@tstidx@org@indexopenpost\@tstindexopenpost
3626 \let\@tstindexopenpost\@tstidx@glswrgloss@indexopenpost

```

indexclosepost

```

3627 \def\@tstidx@glswrgloss@indexclosepost#1#2[#3]#4#5{%
3628 \bgroup
3629 \edef\@tstidx@label{\tstidx@getlabel{#3}}%
3630 \ifx\@tstidx@label\@empty
3631 \edef\@tstidx@label{\tstidx@getlabel{#1}}%
3632 \ifx\@tstidx@label\@empty
3633 \edef\@tstidx@label{\tstidx@getlabel{#2}}%
3634 \fi
3635 \fi
3636 \def\@tstidx@encap{#4}%
3637 \def\@tstidx@range{}%
3638 \let\@tstidx@org@glstextformat\glstextformat
3639 \renewcommand\glstextformat[1]{\tstidx@post@glstextformat
3640 {\tstidx@org@glstextformat{##1}}}%
3641 \ifx\relax#5\relax
3642 \tstidx@glspostindex[format={#4}]{\@tstidx@label}%
3643 \else
3644 \@ifundefined{glxtrinitwrgloss}%
3645 {%
3646 \glshyperlink[\glstextformat{\tstidx@glentry{\@tstidx@label}}]%
3647 {\@tstidx@label}%
3648 \glsadd[format={#4}]{\@tstidx@label}%
3649 }%
3650 {%
3651 \tstidx@glswrgloss=after,format={#4}]{\@tstidx@label}%
3652 }%
3653 \fi
3654 \egroup
3655 }
3656 \let\@tstidx@org@indexclosepost\@tstindexclosepost
3657 \let\@tstindexclosepost\@tstidx@glswrgloss@indexclosepost

```

\tstindexpre

```
3658 \def\@tstidx@gls@indexpre#1#2[#3]#4#5{%
3659   \bgroup
3660   \edef\@tstidx@label{\tstidx@getlabel{#3}}%
3661   \ifx\@tstidx@label\@empty
3662     \edef\@tstidx@label{\tstidx@getlabel{#1}}%
3663     \ifx\@tstidx@label\@empty
3664       \edef\@tstidx@label{\tstidx@getlabel{#2}}%
3665     \fi
3666   \fi
3667   \def\@tstidx@encap{#4}%
3668   \def\@tstidx@range{ }%
3669   \let\tstidx@org@glstextformat\glstextformat
3670   \renewcommand\glstextformat[1]{\tstidx@pre@glstextformat
3671     {\tstidx@org@glstextformat{##1}}}%
3672   \ifx\relax#5\relax
3673     \ifx\@tstidx@encap\@empty
3674       \tstidx@glspreindex{\@tstidx@label}%
3675     \else
3676       \tstidx@glspreindex[format={#4}]{\@tstidx@label}%
3677     \fi
3678   \else
3679     \ifx\@tstidx@encap\@empty
3680       \tstidx@gls{\@tstidx@label}%
3681     \else
3682       \tstidx@gls[format={#4}]{\@tstidx@label}%
3683     \fi
3684   \fi
3685   \egroup
3686 }
3687 \let\@tstidx@org@indexpre\@tstindexpre
3688 \let\@tstindexpre\@tstidx@gls@indexpre
```

tindexopenpre

```
3689 \def\@tstidx@gls@indexopenpre#1#2[#3]#4#5{%
3690   \bgroup
3691   \edef\@tstidx@label{\tstidx@getlabel{#3}}%
3692   \ifx\@tstidx@label\@empty
3693     \edef\@tstidx@label{\tstidx@getlabel{#1}}%
3694     \ifx\@tstidx@label\@empty
3695       \edef\@tstidx@label{\tstidx@getlabel{#2}}%
3696     \fi
3697   \fi
3698   \def\@tstidx@encap{#4}%
3699   \def\@tstidx@range{ }%
3700   \let\tstidx@org@glstextformat\glstextformat
3701   \renewcommand\glstextformat[1]{\tstidx@pre@glstextformat
3702     {\tstidx@org@glstextformat{##1}}}%
3703   \ifx\relax#5\relax
```

```

3704     \tstidx@glspreindex[format={ (#4)}]{\@tstidx@label}%
3705 \else
3706     \tstidx@gl[format={ (#4)}]{\@tstidx@label}%
3707 \fi
3708 \egroup
3709 }
3710 \let \@tstidx@org@indexopenpre \@tstindexopenpre
3711 \let \@tstindexopenpre \@tstidx@gl@indexopenpre

```

indexclosepre

```

3712 \def \@tstidx@gl@indexclosepre#1#2[#3]#4#5{%
3713 \bgroup
3714 \edef \@tstidx@label{\tstidx@getlabel{#3}}%
3715 \ifx \@tstidx@label \@empty
3716     \edef \@tstidx@label{\tstidx@getlabel{#1}}%
3717     \ifx \@tstidx@label \@empty
3718         \edef \@tstidx@label{\tstidx@getlabel{#2}}%
3719     \fi
3720 \fi
3721 \def \@tstidx@encap{#4}%
3722 \def \@tstidx@range{ }%
3723 \let \@tstidx@org@glstextformat \glstextformat
3724 \renewcommand \glstextformat [1]{\tstidx@pre@glstextformat
3725     {\tstidx@org@glstextformat{##1}}}%
3726 \ifx \relax#5\relax
3727     \tstidx@glspreindex[format={ }#4]{\@tstidx@label}%
3728 \else
3729     \tstidx@gl[format={ }#4]{\@tstidx@label}%
3730 \fi
3731 \egroup
3732 }
3733 \let \@tstidx@org@indexclosepre \@tstindexclosepre
3734 \let \@tstindexclosepre \@tstidx@gl@indexclosepre

```

\seealso

```

3735 \providecommand*\seealso{see also}

```

\seename

```

3736 \providecommand*\seename{see}

```

stidx@seealso

```

3737 \newcommand*\tstidx@seealso{seealso}

```

\tstindexsee

```

3738 \def \@tstidx@gl@indexsee#1#2#3#4[#5]#6{%
3739 \if@tstidx@useglseekey
3740 \else
3741     \bgroup
3742     \edef \@tstidx@label{\tstidx@getlabel{#3}}%

```



```

3743 \ifx\@tstidx@label\@empty
3744 \edef\@tstidx@label{\tstidx@getlabel{#1}}%
3745 \ifx\@tstidx@label\@empty
3746 \edef\@tstidx@label{\tstidx@getlabel{#2}}%
3747 \fi
3748 \fi
3749 \ifx\relax#5\relax
3750 \def\@tstidx@xrlabel{}%
3751 \def\@tstidx@xrlabel@sep{}%
3752 \@for\@tst@idxthis:=#6\do{%
3753 \edef\@tstidx@xrlabel{\@tstidx@xrlabel\@tstidx@xrlabel@sep
3754 \expandafter\tstidx@getlabel\expandafter{\@tst@idxthis}}%
3755 \def\@tstidx@xrlabel@sep{,}%
3756 }%
3757 \else
3758 \def\@tstidx@xrlabel{#5}%
3759 \fi
3760 \edef\@tstidx@seetag{#4}%
3761 \ifx\@tstidx@seetag\tstidx@seealso
3762 \if@tstidx@hasseealsokey
3763 \expandafter\glsxtrindexseealso\expandafter\@tstidx@label\expandafter
3764 {\@tstidx@xrlabel}%
3765 \else
3766 \expandafter\glssee\expandafter[\expandafter\seealsoname
3767 \expandafter]\expandafter\@tstidx@label\expandafter{\@tstidx@xrlabel}%
3768 \fi
3769 \else
3770 \expandafter\glssee\expandafter\@tstidx@label\expandafter
3771 {\@tstidx@xrlabel}%
3772 \fi
3773 \iftestidxshowmarks
3774 \ifx\relax#5\relax
3775 \tstidxseeref{#2}{tst#4ref}{#6}%
3776 \else
3777 \tstidxseeref{#2}{tst#4ref}{#5}%
3778 \fi
3779 \fi
3780 \egroup
3781 \fi
3782 }
3783 \let\@tstidx@org@indexsee\@tstindexsee
3784 \let\@tstindexsee\@tstidx@gls@indexsee

```

tsubindexpost

```

3785 \def\@tstidx@gls@subindexpost#1#2[#3]#4#5{%
3786 \bgroup
3787 \edef\@tstidx@label{\tstidx@getlabel{#3}}%
3788 \ifx\@tstidx@label\@empty
3789 \edef\@tstidx@label{\tstidx@getlabel{#1}}%

```

```

3790 \ifx\@tstidx@label\@empty
3791 \edef\@tstidx@label{\tstidx@getlabel{#2}}%
3792 \fi
3793 \ifx\@tstidx@label\@empty
3794 \edef\@tstidx@label{\tstidx@getlabel{#2}}%
3795 \fi
3796 \ifx\@tstidx@sort\empty
3797 \edef\@tstidx@label{%
3798 \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
3799 .\@tstidx@label}%
3800 \else
3801 \edef\@tstidx@label{%
3802 \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
3803 .\@tstidx@label}%
3804 \fi
3805 \fi
3806 \def\@tstidx@encap{#4}%
3807 \def\@tstidx@range{}%
3808 \let\tstidx@org@glstextformat\glstextformat
3809 \renewcommand\glstextformat[1]{\tstidx@post@glstextformat
3810 {\tstidx@org@glstextformat{##1}}}%
3811 \ifx\relax#5\relax
3812 \ifx\@tstidx@encap\@empty
3813 \tstidx@glspostindex{\@tstidx@label}%
3814 \else
3815 \tstidx@glspostindex[format={#4}]{\@tstidx@label}%
3816 \fi
3817 \else
3818 \ifundefined{glxtrinitwrgloss}%
3819 {%
3820 \glshyperlink[\glstextformat{\tstidx@glstentry{\@tstidx@label}}]%
3821 {\@tstidx@label}%
3822 \ifx\@tstidx@encap\@empty
3823 \glsadd{\@tstidx@label}%
3824 \else
3825 \glsadd[format={#4}]{\@tstidx@label}%
3826 \fi
3827 }%
3828 {%
3829 \ifx\@tstidx@encap\@empty
3830 \tstidx@glswrgloss=after]{\@tstidx@label}%
3831 \else
3832 \tstidx@glswrgloss=after,format={#4}]{\@tstidx@label}%
3833 \fi
3834 }%
3835 \fi
3836 \egroup
3837 }
3838 \let\tstidx@org@subindexpost\tstidx@subindexpost

```

```
3839 \let \@tstidx@subindexpost \@tstidx@gl@subindexpost
```

indexopenpost

```
3840 \def \@tstidx@gl@subindexopenpost #1#2[#3]#4#5{%
3841   \bgroup
3842   \edef \@tstidx@label {\tstidx@getlabel{#3}}%
3843   \ifx \@tstidx@label \@empty
3844     \edef \@tstidx@label {\tstidx@getlabel{#1}}%
3845     \ifx \@tstidx@label \@empty
3846       \edef \@tstidx@label {\tstidx@getlabel{#2}}%
3847     \fi
3848     \ifx \@tstidx@sort \@empty
3849       \edef \@tstidx@label {%
3850         \expandafter \tstidx@getlabel \expandafter {\@tstidx@term}%
3851         .\@tstidx@label}%
3852     \else
3853       \edef \@tstidx@label {%
3854         \expandafter \tstidx@getlabel \expandafter {\@tstidx@sort}%
3855         .\@tstidx@label}%
3856     \fi
3857   \fi
3858   \def \@tstidx@encap{#4}%
3859   \def \@tstidx@range{ }%
3860   \let \tstidx@org@glstextformat \glstextformat
3861   \renewcommand \glstextformat [1]{\tstidx@post@glstextformat
3862     {\tstidx@org@glstextformat{##1}}}%
3863   \ifx \relax#5\relax
3864     \tstidx@gl@spostindex [format={#4}]{\@tstidx@label}%
3865   \else
3866     \@ifundefined{glxtrinitwrgloss}%
3867     {%
3868       \glshyperlink [\glstextformat{\tstidx@gl@entry{\@tstidx@label}}]%
3869       {\@tstidx@label}%
3870       \glsadd [format={#4}]{\@tstidx@label}%
3871     }%
3872     {%
3873       \tstidx@gl@wrgloss=after,format={#4}]{\@tstidx@label}%
3874     }%
3875   \fi
3876   \egroup
3877 }
3878 \let \@tstidx@org@subindexopenpost \@tstidx@subindexopenpost
3879 \let \@tstidx@subindexopenpost \@tstidx@gl@subindexopenpost
```

indexclosepost

```
3880 \def \@tstidx@gl@subindexclosepost #1#2[#3]#4#5{%
3881   \bgroup
3882   \edef \@tstidx@label {\tstidx@getlabel{#3}}%
3883   \ifx \@tstidx@label \@empty
```

```

3884 \edef\@tstidx@label{\tstidx@getlabel{#1}}%
3885 \ifx\@tstidx@label\@empty
3886 \edef\@tstidx@label{\tstidx@getlabel{#2}}%
3887 \fi
3888 \ifx\@tstidx@sort\empty
3889 \edef\@tstidx@label{%
3890 \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
3891 .\@tstidx@label}%
3892 \else
3893 \edef\@tstidx@label{%
3894 \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
3895 .\@tstidx@label}%
3896 \fi
3897 \fi
3898 \def\@tstidx@encap{#4}%
3899 \def\@tstidx@range{ }%
3900 \let\tstidx@org@glstextformat\glstextformat
3901 \renewcommand\glstextformat[1]{\tstidx@post@glstextformat
3902 {\tstidx@org@glstextformat{##1}}}%
3903 \ifx\relax#5\relax
3904 \tstidx@glspostindex[format={ } #4]{\@tstidx@label}%
3905 \else
3906 \@ifundefined{glxtrinitwrgloss}%
3907 {%
3908 \glshyperlink[\glstextformat{\tstidx@glstentry{\@tstidx@label}}]%
3909 {\@tstidx@label}%
3910 \glsadd[format={ } #4]{\@tstidx@label}%
3911 }%
3912 {%
3913 \tstidx@gls[wrgloss=after,format={ } #4]{\@tstidx@label}%
3914 }%
3915 \fi
3916 \egroup
3917 }
3918 \let\@tstidx@org@subindexclosepost\@tstidx@subindexclosepost
3919 \let\@tstidx@subindexclosepost\@tstidx@gls@subindexclosepost

```

stsubindexpre

```

3920 \def\@tstidx@gls@subindexpre#1#2[#3]#4#5{%
3921 \bgroup
3922 \edef\@tstidx@label{\tstidx@getlabel{#3}}%
3923 \ifx\@tstidx@label\@empty
3924 \edef\@tstidx@label{\tstidx@getlabel{#1}}%
3925 \ifx\@tstidx@label\@empty
3926 \edef\@tstidx@label{\tstidx@getlabel{#2}}%
3927 \fi
3928 \ifx\@tstidx@sort\empty
3929 \edef\@tstidx@label{%
3930 \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%

```

```

3931     .\@tstidx@label}%
3932   \else
3933     \edef\@tstidx@label{%
3934       \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
3935       .\@tstidx@label}%
3936   \fi
3937 \fi
3938 \def\@tstidx@encap{#4}%
3939 \def\@tstidx@range{}%
3940 \let\tstidx@org@glstextformat\glstextformat
3941 \renewcommand\glstextformat[1]{\tstidx@pre@glstextformat
3942   {\tstidx@org@glstextformat{##1}}}%
3943 \ifx\relax#5\relax
3944   \ifx\@tstidx@encap\@empty
3945     \tstidx@glspreindex{\@tstidx@label}%
3946   \else
3947     \tstidx@glspreindex[format={#4}]{\@tstidx@label}%
3948   \fi
3949 \else
3950   \ifx\@tstidx@encap\@empty
3951     \tstidx@gl{s}\@tstidx@label}%
3952   \else
3953     \tstidx@gl{s}[format={#4}]{\@tstidx@label}%
3954   \fi
3955 \fi
3956 \egroup
3957 }
3958 \let\tstidx@org@subindexpre\tstidx@subindexpre
3959 \let\tstidx@subindexpre\tstidx@gl{s@subindexpre

```

bindindexopenpre

```

3960 \def\@tstidx@gl{s@subindexopenpre#1#2[#3]#4#5{%
3961   \bgroup
3962   \edef\@tstidx@label{\tstidx@getlabel{#3}}%
3963   \ifx\@tstidx@label\@empty
3964     \edef\@tstidx@label{\tstidx@getlabel{#1}}%
3965   \ifx\@tstidx@label\@empty
3966     \edef\@tstidx@label{\tstidx@getlabel{#2}}%
3967   \fi
3968   \ifx\@tstidx@sort\empty
3969     \edef\@tstidx@label{%
3970       \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
3971       .\@tstidx@label}%
3972   \else
3973     \edef\@tstidx@label{%
3974       \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
3975       .\@tstidx@label}%
3976   \fi
3977 \fi

```

```

3978 \def\@tstidx@encap{#4}%
3979 \def\@tstidx@range{ }%
3980 \let\tstidx@org@glstextformat\glstextformat
3981 \renewcommand\glstextformat[1]{\tstidx@pre@glstextformat
3982   {\tstidx@org@glstextformat{##1}}}%
3983 \ifx\relax#5\relax
3984   \tstidx@glspreindex[format={ (#4)}]{\@tstidx@label}%
3985 \else
3986   \tstidx@glspreindex[format={ (#4)}]{\@tstidx@label}%
3987 \fi
3988 \egroup
3989 }
3990 \let\tstidx@org@subindexopenpre\tstidx@subindexopenpre
3991 \let\tstidx@subindexopenpre\tstidx@glspreindex@subindexopenpre

```

indexclosepre

```

3992 \def\@tstidx@glspreindex@subindexclosepre#1#2[#3]#4#5{%
3993   \bgroup
3994   \edef\@tstidx@label{\tstidx@getlabel{#3}}%
3995   \ifx\@tstidx@label\@empty
3996     \edef\@tstidx@label{\tstidx@getlabel{#1}}%
3997   \ifx\@tstidx@label\@empty
3998     \edef\@tstidx@label{\tstidx@getlabel{#2}}%
3999   \fi
4000   \ifx\@tstidx@sort\empty
4001     \edef\@tstidx@label{%
4002       \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
4003       .\@tstidx@label}%
4004   \else
4005     \edef\@tstidx@label{%
4006       \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
4007       .\@tstidx@label}%
4008   \fi
4009 \fi
4010 \def\@tstidx@encap{#4}%
4011 \def\@tstidx@range{ }%
4012 \let\tstidx@org@glstextformat\glstextformat
4013 \renewcommand\glstextformat[1]{\tstidx@pre@glstextformat
4014   {\tstidx@org@glstextformat{##1}}}%
4015 \ifx\relax#5\relax
4016   \tstidx@glspreindex[format={ }#4]{\@tstidx@label}%
4017 \else
4018   \tstidx@glspreindex[format={ }#4]{\@tstidx@label}%
4019 \fi
4020 \egroup
4021 }
4022 \let\tstidx@org@subindexclosepre\tstidx@subindexclosepre
4023 \let\tstidx@subindexclosepre\tstidx@glspreindex@subindexclosepre

```

stindexsubsee

```
4024 \def\@tstidx@gl@indexsubsee#1#2#3#4[#5]#6{%
4025   \if@tstidx@useglseekey
4026   \else
4027     \bgroup
4028     \edef\@tstidx@label{\tstidx@getlabel{#3}}%
4029     \ifx\@tstidx@label\@empty
4030       \edef\@tstidx@label{\tstidx@getlabel{#1}}%
4031       \ifx\@tstidx@label\@empty
4032         \edef\@tstidx@label{\tstidx@getlabel{#2}}%
4033       \fi
4034     \fi
4035     \ifx\relax#5\relax
4036       \def\@tstidx@xrlabel{}%
4037       \def\@tstidx@xrlabel@sep{}%
4038       \@for\@tst@idxthis:=#6\do{%
4039         \edef\@tstidx@xrlabel{\@tstidx@xrlabel\@tstidx@xrlabel@sep
4040           \expandafter\tstidx@getlabel\expandafter{\@tst@idxthis}}%
4041         \def\@tstidx@xrlabel@sep{,%
4042           }%
4043       \else
4044         \def\@tstidx@xrlabel{#5}%
4045       \fi
4046     \edef\@tstidx@seetag{#4}%
4047     \ifx\@tstidx@seetag\tstidx@seealso
4048       \if@tstidx@hasseealsokey
4049         \expandafter\glxtrindexseealso\expandafter\@tstidx@label\expandafter
4050           {\@tstidx@xrlabel}%
4051       \else
4052         \expandafter\glsee\expandafter[\expandafter\seealso\name
4053           \expandafter]\expandafter\@tstidx@label\expandafter{\@tstidx@xrlabel}%
4054       \fi
4055     \else
4056       \expandafter\glsee\expandafter\@tstidx@label\expandafter
4057         {\@tstidx@xrlabel}%
4058     \fi
4059     \iftestidxshowmarks
4060       \protected@edef\tstidx@dosee{\noexpand\tstidxsubseeref
4061         {\@tstidx@term}{#2}{tst#4ref}{\@tstidx@xrlabel}}%
4062       \tstidx@dosee
4063     \fi
4064   \egroup
4065 \fi
4066 }
4067 \let\@tstidx@org@indexsubsee\@tstidx@indexsubsee
4068 \let\@tstidx@indexsubsee\@tstidx@gl@indexsubsee
```

bsubindexpost

```
4069 \def\@tstidx@gl@subsubindexpost#1#2[#3]#4#5{%
```

```

4070 \bgroup
4071 \edef\@tstidx@label{\tstidx@getlabel{#3}}%
4072 \ifx\@tstidx@label\@empty
4073   \edef\@tstidx@label{\tstidx@getlabel{#1}}%
4074   \ifx\@tstidx@label\@empty
4075     \edef\@tstidx@label{\tstidx@getlabel{#2}}%
4076   \fi
4077   \ifx\@tstidx@sort\empty
4078     \ifx\@tstidx@subsort\empty
4079       \edef\@tstidx@label{%
4080         \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
4081         .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subterm}%
4082         .\@tstidx@label}%
4083     \else
4084       \edef\@tstidx@label{%
4085         \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
4086         .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subsort}%
4087         .\@tstidx@label}%
4088     \fi
4089   \else
4090     \ifx\@tstidx@subsort\empty
4091       \edef\@tstidx@label{%
4092         \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
4093         .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subterm}%
4094         .\@tstidx@label}%
4095     \else
4096       \edef\@tstidx@label{%
4097         \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
4098         .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subsort}%
4099         .\@tstidx@label}%
4100     \fi
4101   \fi
4102 \fi
4103 \def\@tstidx@encap{#4}%
4104 \def\@tstidx@range{}%
4105 \let\tstidx@org@glstextformat\glstextformat
4106 \renewcommand\glstextformat[1]{\tstidx@post@glstextformat
4107   {\tstidx@org@glstextformat{##1}}}%
4108 \ifx\relax#5\relax
4109   \ifx\@tstidx@encap\@empty
4110     \tstidx@glspostindex{\@tstidx@label}%
4111   \else
4112     \tstidx@glspostindex[format={#4}]{\@tstidx@label}%
4113   \fi
4114 \else
4115   \@ifundefined{glxtrinitwrgloss}%
4116   {%
4117     \glshyperlink[\glstextformat{\tstidx@glstentry{\@tstidx@label}}]%
4118     {\@tstidx@label}%

```



```

4119     \ifx\@tstidx@encap\@empty
4120     \glsadd{\@tstidx@label}%
4121     \else
4122     \glsadd[format={#4}]{\@tstidx@label}%
4123     \fi
4124 }%
4125 {%
4126     \ifx\@tstidx@encap\@empty
4127     \tstidx@gls[wrgloss=after]{\@tstidx@label}%
4128     \else
4129     \tstidx@gls[wrgloss=after,format={#4}]{\@tstidx@label}%
4130     \fi
4131 }%
4132 \fi
4133 \egroup
4134 }
4135 \let\@tstidx@org@subsubindexpost\@tstidx@subsubindexpost
4136 \let\@tstidx@subsubindexpost\@tstidx@gls@subsubindexpost

```

indexopenpost

```

4137 \def\@tstidx@gls@subsubindexopenpost#1#2[#3]#4#5{%
4138   \bgroup
4139   \edef\@tstidx@label{\tstidx@getlabel{#3}}%
4140   \ifx\@tstidx@label\@empty
4141     \edef\@tstidx@label{\tstidx@getlabel{#1}}%
4142     \ifx\@tstidx@label\@empty
4143       \edef\@tstidx@label{\tstidx@getlabel{#2}}%
4144     \fi
4145     \ifx\@tstidx@sort\@empty
4146       \ifx\@tstidx@subsort\@empty
4147         \edef\@tstidx@label{%
4148           \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
4149           .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subterm}%
4150           .\@tstidx@label}%
4151       \else
4152         \edef\@tstidx@label{%
4153           \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
4154           .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subsort}%
4155           .\@tstidx@label}%
4156       \fi
4157     \else
4158       \ifx\@tstidx@subsort\@empty
4159         \edef\@tstidx@label{%
4160           \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
4161           .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subterm}%
4162           .\@tstidx@label}%
4163       \else
4164         \edef\@tstidx@label{%
4165           \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%

```

```

4166         .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subsort}%
4167         .\@tstidx@label}%
4168     \fi
4169     \fi
4170 \fi
4171 \def\@tstidx@encap{#4}%
4172 \def\@tstidx@range{ }%
4173 \let\tstidx@org@glstextformat\glstextformat
4174 \renewcommand\glstextformat[1]{\tstidx@post@glstextformat
4175     {\tstidx@org@glstextformat{##1}}}%
4176 \ifx\relax#5\relax
4177     \tstidx@glspostindex[format={#4}]{\@tstidx@label}%
4178 \else
4179     \ifundefined{glxtrinitwrgloss}%
4180     {%
4181         \glshyperlink[\glstextformat{\tstidx@glstentry{\@tstidx@label}}]{%
4182             {\@tstidx@label}}%
4183         \glsadd[format={#4}]{\@tstidx@label}%
4184     }%
4185     {%
4186         \tstidx@gls[wrgloss=after,format={#4}]{\@tstidx@label}%
4187     }%
4188 \fi
4189 \egroup
4190 }
4191 \let\tstidx@org@subsubindexopenpost\@tstidx@subsubindexopenpost
4192 \let\@tstidx@subsubindexopenpost\tstidx@gls@subsubindexopenpost

```

ndexclosepost

```

4193 \def\tstidx@gls@subsubindexclosepost#1#2[#3]#4#5{%
4194     \bgroup
4195     \edef\@tstidx@label{\tstidx@getlabel{#3}}%
4196     \ifx\@tstidx@label\@empty
4197         \edef\@tstidx@label{\tstidx@getlabel{#1}}%
4198     \ifx\@tstidx@label\@empty
4199         \edef\@tstidx@label{\tstidx@getlabel{#2}}%
4200     \fi
4201     \ifx\@tstidx@sort\empty
4202         \ifx\@tstidx@subsort\empty
4203             \edef\@tstidx@label{%
4204                 \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
4205                 .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subterm}%
4206                 .\@tstidx@label}%
4207         \else
4208             \edef\@tstidx@label{%
4209                 \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
4210                 .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subsort}%
4211                 .\@tstidx@label}%
4212         \fi

```

```

4213 \else
4214 \ifx\@tstidx@subsort\empty
4215 \edef\@tstidx@label{%
4216 \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
4217 .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subterm}%
4218 .\@tstidx@label}%
4219 \else
4220 \edef\@tstidx@label{%
4221 \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
4222 .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subsort}%
4223 .\@tstidx@label}%
4224 \fi
4225 \fi
4226 \fi
4227 \def\@tstidx@encap{#4}%
4228 \def\@tstidx@range{ }%
4229 \let\tstidx@org@glstextformat\glstextformat
4230 \renewcommand\glstextformat[1]{\tstidx@post@glstextformat
4231 {\tstidx@org@glstextformat{##1}}}%
4232 \ifx\relax#5\relax
4233 \tstidx@glspostindex[format={ } #4]{\@tstidx@label}%
4234 \else
4235 \@ifundefined{glxtrinitwrgloss}%
4236 {%
4237 \glshyperlink[\glstextformat{\tstidx@glstentry{\@tstidx@label}}]%
4238 {\@tstidx@label}%
4239 \glsadd[format={ } #4]{\@tstidx@label}%
4240 }%
4241 {%
4242 \tstidx@gls[wrgloss=after,format={ } #4]{\@tstidx@label}%
4243 }%
4244 \fi
4245 \egroup
4246 }
4247 \let\@tstidx@org@subsubindexclosepost\@tstidx@subsubindexclosepost
4248 \let\@@tstidx@subsubindexclosepost\@tstidx@gls@subsubindexclosepost

```

subsubindexpre

```

4249 \def\@tstidx@gls@subsubindexpre#1#2[#3]#4#5{%
4250 \bgroup
4251 \edef\@tstidx@label{\tstidx@getlabel{#3}}%
4252 \ifx\@tstidx@label\@empty
4253 \edef\@tstidx@label{\tstidx@getlabel{#1}}%
4254 \ifx\@tstidx@label\@empty
4255 \edef\@tstidx@label{\tstidx@getlabel{#2}}%
4256 \fi
4257 \ifx\@tstidx@sort\empty
4258 \ifx\@tstidx@subsort\empty
4259 \edef\@tstidx@label{%

```

```

4260         \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
4261         .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subterm}%
4262         .\@tstidx@label}%
4263     \else
4264         \edef\@tstidx@label{%
4265         \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
4266         .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subsort}%
4267         .\@tstidx@label}%
4268     \fi
4269 \else
4270     \ifx\@tstidx@subsort\empty
4271         \edef\@tstidx@label{%
4272         \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
4273         .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subterm}%
4274         .\@tstidx@label}%
4275     \else
4276         \edef\@tstidx@label{%
4277         \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
4278         .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subsort}%
4279         .\@tstidx@label}%
4280     \fi
4281 \fi
4282 \fi
4283 \def\@tstidx@encap{#4}%
4284 \def\@tstidx@range{}%
4285 \let\tstidx@org@glstextformat\glstextformat
4286 \renewcommand\glstextformat[1]{\tstidx@pre@glstextformat
4287     {\tstidx@org@glstextformat{##1}}}%
4288 \ifx\relax#5\relax
4289     \ifx\@tstidx@encap\@empty
4290         \tstidx@glspreindex{\@tstidx@label}%
4291     \else
4292         \tstidx@glspreindex[format={#4}]{\@tstidx@label}%
4293     \fi
4294 \else
4295     \ifx\@tstidx@encap\@empty
4296         \tstidx@gls{\@tstidx@label}%
4297     \else
4298         \tstidx@gls[format={#4}]{\@tstidx@label}%
4299     \fi
4300 \fi
4301 \egroup
4302 }
4303 \let\tstidx@org@subsubindexpre\@tstidx@subsubindexpre
4304 \let\@tstidx@subsubindexpre\tstidx@gls@subsubindexpre

```

bindexopenpre

```

4305 \def\tstidx@gls@subsubindexopenpre#1#2[#3]#4#5{%
4306     \bgroup

```

```

4307 \edef\tstidx@label{\tstidx@getlabel{#3}}%
4308 \ifx\tstidx@label\@empty
4309   \edef\tstidx@label{\tstidx@getlabel{#1}}%
4310   \ifx\tstidx@label\@empty
4311     \edef\tstidx@label{\tstidx@getlabel{#2}}%
4312   \fi
4313   \ifx\tstidx@sort\empty
4314     \ifx\tstidx@subsort\empty
4315       \edef\tstidx@label{%
4316         \expandafter\tstidx@getlabel\expandafter{\tstidx@term}%
4317         .\expandafter\tstidx@getlabel\expandafter{\tstidx@subterm}%
4318         .\tstidx@label}%
4319     \else
4320       \edef\tstidx@label{%
4321         \expandafter\tstidx@getlabel\expandafter{\tstidx@term}%
4322         .\expandafter\tstidx@getlabel\expandafter{\tstidx@subsort}%
4323         .\tstidx@label}%
4324     \fi
4325   \else
4326     \ifx\tstidx@subsort\empty
4327       \edef\tstidx@label{%
4328         \expandafter\tstidx@getlabel\expandafter{\tstidx@sort}%
4329         .\expandafter\tstidx@getlabel\expandafter{\tstidx@subterm}%
4330         .\tstidx@label}%
4331     \else
4332       \edef\tstidx@label{%
4333         \expandafter\tstidx@getlabel\expandafter{\tstidx@sort}%
4334         .\expandafter\tstidx@getlabel\expandafter{\tstidx@subsort}%
4335         .\tstidx@label}%
4336     \fi
4337   \fi
4338 \fi
4339 \def\tstidx@encap{#4}%
4340 \def\tstidx@range{ }%
4341 \let\tstidx@org@glstextformat\glstextformat
4342 \renewcommand\glstextformat[1]{\tstidx@pre@glstextformat
4343   {\tstidx@org@glstextformat{##1}}}%
4344 \ifx\relax#5\relax
4345   \tstidx@glspreindex[format={#4}]{\tstidx@label}%
4346 \else
4347   \tstidx@gl[format={#4}]{\tstidx@label}%
4348 \fi
4349 \egroup
4350 }
4351 \let\tstidx@org@subsubindexopenpre\@tstidx@subsubindexopenpre
4352 \let\@tstidx@subsubindexopenpre\tstidx@gl@subsubindexopenpre

```

indexclosepre

```

4353 \def\tstidx@gl@subsubindexclosepre#1#2[#3]#4#5{%

```

```

4354 \bgroup
4355 \edef\@tstidx@label{\tstidx@getlabel{#3}}%
4356 \ifx\@tstidx@label\@empty
4357   \edef\@tstidx@label{\tstidx@getlabel{#1}}%
4358   \ifx\@tstidx@label\@empty
4359     \edef\@tstidx@label{\tstidx@getlabel{#2}}%
4360   \fi
4361   \ifx\@tstidx@sort\empty
4362     \ifx\@tstidx@subsort\empty
4363       \edef\@tstidx@label{%
4364         \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
4365         .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subterm}%
4366         .\@tstidx@label}%
4367     \else
4368       \edef\@tstidx@label{%
4369         \expandafter\tstidx@getlabel\expandafter{\@tstidx@term}%
4370         .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subsort}%
4371         .\@tstidx@label}%
4372     \fi
4373   \else
4374     \ifx\@tstidx@subsort\empty
4375       \edef\@tstidx@label{%
4376         \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
4377         .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subterm}%
4378         .\@tstidx@label}%
4379     \else
4380       \edef\@tstidx@label{%
4381         \expandafter\tstidx@getlabel\expandafter{\@tstidx@sort}%
4382         .\expandafter\tstidx@getlabel\expandafter{\@tstidx@subsort}%
4383         .\@tstidx@label}%
4384     \fi
4385   \fi
4386 \fi
4387 \def\@tstidx@encap{#4}%
4388 \def\@tstidx@range{ }%
4389 \let\tstidx@org@glstextformat\glstextformat
4390 \renewcommand\glstextformat[1]{\tstidx@pre@glstextformat
4391   {\tstidx@org@glstextformat{##1}}}%
4392 \ifx\relax#5\relax
4393   \tstidx@glspreindex[format={ }#4]{\@tstidx@label}%
4394 \else
4395   \tstidx@gl[s[format={ }#4]]{\@tstidx@label}%
4396 \fi
4397 \egroup
4398 }
4399 \let\tstidx@org@subsubindexclosepre\@tstidx@subsubindexclosepre
4400 \let\@tstidx@subsubindexclosepre\@tstidx@gl@subsubindexclosepre

```

## 8.2 Entry Shortcut Definitions

Provide commands for defining entries (not used with `\GlsXtrLoadResources`).

`\tstidxnewutfentry`

```
\tstidxnewutfentry{<label>}{<ascii>}{<utf8>}{<name fmt>}
{<options>}{<category>}
```

```
4401 \newcommand*{\tstidxnewutfentry}[6]{%
4402   \@tstidx@ifutfviii
4403   {%
4404     \tstidxprocessutf{\@tstidx@utf}{#3}%
4405     \ifx\relax#4\relax
4406       \protected@edef\@tstidx@doidx{%
4407         \noexpand\tstidxnewentry{#1}{#6}%
4408         {name={#3},%
4409          sort={\unexpanded\expandafter{\@tstidx@utf}},%
4410          description={},#5}}%
4411     \else
4412       \protected@edef\@tstidx@doidx{%
4413         \noexpand\tstidxnewentry{#1}{#6}%
4414         {name={\noexpand#4{#3}},%
4415          sort={\unexpanded\expandafter{\@tstidx@utf}},%
4416          description={},#5}}%
4417     \fi
4418   }%
4419   {%
4420     \tstidxprocessasciisort{\@tstidx@asciisort}{#2}%
4421     \tstidxprocessasciisortstrip{\@tstidx@asciilabel}{#1}%
4422     \ifx\relax#4\relax
4423       \protected@edef\@tstidx@doidx{%
4424         \noexpand\tstidxnewentry{\@tstidx@asciilabel}{#6}%
4425         {name={#2},%
4426          sort={\unexpanded\expandafter{\@tstidx@asciisort}},%
4427          description={},#5}}%
4428     \else
4429       \protected@edef\@tstidx@doidx{%
4430         \noexpand\tstidxnewentry{\@tstidx@asciilabel}{#6}%
4431         {name={\noexpand#4{#2}},%
4432          sort={\unexpanded\expandafter{\@tstidx@asciisort}},%
4433          description={},#5}}%
4434     \fi
4435   }%
4436   \@tstidx@doidx
4437 }
```

```
\tstidxnewutfentrytext{<label>}{<ascii name>}{<ascii text>}
{<utf8 name>}{<utf8 text>}{<name fmt>}{<options>}{<category>}
```

```

4438 \newcommand*{\tstidxnewutfentrytext}[8]{%
4439   \@tstidx@ifutfviii
4440   {%
4441     \tstidxprocessutf{\@tstidx@utf}{#4}%
4442     \ifx\relax#6\relax
4443       \protected@edef\@tstidx@doidx{%
4444         \noexpand\tstidxnewentry{#1}{#8}%
4445         {name={#4},%
4446          sort={\unexpanded\expandafter{\@tstidx@utf}},%
4447          text={#5},%
4448          description={},#7}}%
4449     \else
4450       \protected@edef\@tstidx@doidx{%
4451         \noexpand\tstidxnewentry{#1}{#8}%
4452         {name={#4},%
4453          text={\noexpand#6{#5}},%
4454          sort={\unexpanded\expandafter{\@tstidx@utf}},%
4455          description={},#7}}%
4456     \fi
4457   }%
4458   {%
4459     \tstidxprocessasciisort{\@tstidx@asciisort}{#2}%
4460     \ifx\relax#6\relax
4461       \protected@edef\@tstidx@doidx{%
4462         \noexpand\tstidxnewentry{#1}{#8}%
4463         {name={#2},%
4464          text={#3},%
4465          sort={\unexpanded\expandafter{\@tstidx@asciisort}},%
4466          description={},#7}}%
4467     \else
4468       \protected@edef\@tstidx@doidx{%
4469         \noexpand\tstidxnewentry{#1}{#8}%
4470         {name={\noexpand#6{#2}},%
4471          text={\noexpand#6{#3}},%
4472          sort={\unexpanded\expandafter{\@tstidx@asciisort}},%
4473          description={},#7}}%
4474     \fi
4475   }%
4476   \@tstidx@doidx
4477 }

```

\tstidxnewword `\tstidxnewword[<options>]{<word>}{<description>}`

```

4478 \newcommand*{\tstidxnewword}[3][ ]{%
4479   \if@tstidx@setdescription
4480     \tstidxnewentry{\tstidx@getlabel{#2}}{word}{name={#2},description={#3},#1}%
4481   \else
4482     \tstidxnewentry{\tstidx@getlabel{#2}}{word}{name={#2},description={},#1}%

```



```
4483 \fi
4484 }
```

```
tidxnewwordsee \tstidxnewwordsee [<options>] {<word>} {<description>} {<xr-labels>}
```

```
4485 \if@tstidx@useglseekey
4486 \newcommand*{\tstidxnewwordsee}[4][[]]{%
4487 \tstidxnewword[see={#4},#1]{#2}{#3}%
4488 }
4489 \else
4490 \newcommand*{\tstidxnewwordsee}[4][[]]{%
4491 \tstidxnewword[#1]{#2}{#3}%
4492 }
4493 \fi
```

```
newwordseealso \tstidxnewwordseealso [<options>] {<word>} {<description>}
{<xr-labels>}
```

```
4494 \if@tstidx@useglseekey
4495 \if@tstidx@hasseealsokey
4496 \newcommand*{\tstidxnewwordseealso}[4][[]]{%
4497 \tstidxnewword[seealso={#4},#1]{#2}{#3}%
4498 }
4499 \else
4500 \newcommand*{\tstidxnewwordseealso}[4][[]]{%
4501 \tstidxnewword[see={\seealsoname}#4},#1]{#2}{#3}%
4502 }
4503 \fi
4504 \else
4505 \newcommand*{\tstidxnewwordseealso}[4][[]]{%
4506 \tstidxnewword[#1]{#2}{#3}%
4507 }
4508 \fi
```

```
idxnewdigraph
```

```
4509 \newcommand*{\tstidxnewdigraph}[3][[]]{%
4510 \if@tstidx@setdescription
4511 \tstidxnewentry{\tstidx@getlabel{#2}}{digraph}{name={#2},description={#3},#1}%
4512 \else
4513 \tstidxnewentry{\tstidx@getlabel{#2}}{digraph}{name={#2},description={},#1}%
4514 \fi
4515 }
```

```
dxnewtrigraph
```

```
4516 \newcommand*{\tstidxnewtrigraph}[3][[]]{%
4517 \if@tstidx@setdescription
```

```

4518   \tstidxnewentry{\tstidx@getlabel{#2}}{\trigraph}{name={#2},description={#3},#1}%
4519   \else
4520   \tstidxnewentry{\tstidx@getlabel{#2}}{\trigraph}{name={#2},description={},#1}%
4521   \fi
4522 }

```

tidxnewsword `\tstidxnewsword[<options>]{<parent>}{<word>}{<description>}`

```

4523 \newcommand*\tstidxnewsword{4}[]{}%
4524 \if@tstidx@setdescription
4525   \tstidxnewentry{\tstidx@getlabel{#2.#3}}{word}%
4526   {parent={\tstidx@getlabel{#2}},name={#3},description={#4},#1}%
4527   \else
4528   \tstidxnewentry{\tstidx@getlabel{#2.#3}}{word}%
4529   {parent={\tstidx@getlabel{#2}},name={#3},description={},#1}%
4530   \fi
4531 }

```

newswordsee `\tstidxnewswordsee[<options>]{<parent>}{<word>}{<description>}{<xr-labels>}`

```

4532 \if@tstidx@useglseekey
4533   \newcommand*\tstidxnewswordsee{5}[]{}%
4534   \tstidxnewsword[see={#5},#1]{#2}{#3}{#4}%
4535   }
4536 \else
4537   \newcommand*\tstidxnewswordsee{5}[]{}%
4538   \tstidxnewsword[#1]{#2}{#3}{#4}%
4539   }
4540 \fi

```

subwordseealso `\tstidxnewswordseealso[<options>]{<parent>}{<word>}{<description>}{<xr-labels>}`

```

4541 \if@tstidx@useglseekey
4542   \if@tstidx@hasseealsokey
4543     \newcommand*\tstidxnewswordseealso{5}[]{}%
4544     \tstidxnewsword[seealso={#5},#1]{#2}{#3}{#4}%
4545     }
4546   \else
4547     \newcommand*\tstidxnewswordseealso{5}[]{}%
4548     \tstidxnewsword[see={[\seealso]#5},#1]{#2}{#3}{#4}%
4549     }
4550   \fi
4551 \else

```

```

4552 \newcommand*{\tstidxnewswordseealso}[5][[]]{%
4553   \tstidxnewsword[#1]{#2}{#3}{#4}%
4554 }
4555 \fi

```

\tstidxcsfmt

```

4556 \renewcommand*{\tstidxcsfmt}[1]{\texttt{\glsbackslash#1}}

```

\tstidxnewcs

```

4557 \newcommand*{\tstidxnewcs}[3][[]]{%
4558   \if@tstidx@setdescription
4559     \tstidxnewentry{\tstidx@getlabel{cs.#2}}{cs}%
4560     {sort={#2},name={\tstidxcsfmt{#2}},description={#3},#1}%
4561   \else
4562     \tstidxnewentry{\tstidx@getlabel{cs.#2}}{cs}%
4563     {sort={#2},name={\tstidxcsfmt{#2}},description={},#1}%
4564   \fi
4565 }

```

dxnewencapsn

```

4566 \newcommand*{\tstidxnewencapsn}[3][[]]{%
4567   \if@tstidx@setdescription
4568     \tstidxnewentry{\tstidx@getlabel{#2}}{encapsn}{sort={#2 (#2)},%
4569     name={\texttt{#2} (\tstidxcsfmt{#2})},
4570     text={\texttt{#2}},description={#3},#1}%
4571     \tstidxnewentry{\tstidx@getlabel{encap.#2}}{encapsn}{sort={#2},%
4572     parent={\tstidx@getlabel{encap}},
4573     name={\texttt{#2}},description={#3}}%
4574   \else
4575     \tstidxnewentry{\tstidx@getlabel{#2}}{encapsn}{sort={#2 (#2)},%
4576     name={\texttt{#2} (\tstidxcsfmt{#2})},
4577     text={\texttt{#2}},description={},#1}%
4578     \tstidxnewentry{\tstidx@getlabel{encap.#2}}{encapsn}{sort={#2},%
4579     parent={\tstidx@getlabel{encap}},
4580     name={\texttt{#2}},description={}}%
4581   \fi
4582 }

```

\tstidxnewenv

```

4583 \newcommand*{\tstidxnewenv}[3][[]]{%
4584   \if@tstidx@setdescription
4585     \tstidxnewentry{\tstidx@getlabel{#2environment}}{%
4586     environment}{sort={#2 environment},%
4587     name={\tstidxenvfmt{#2} environment},%
4588     text={\tstidxenvfmt{#2}},description={#3},#1}%
4589   \else
4590     \tstidxnewentry{\tstidx@getlabel{#2environment}}{%
4591     environment}{sort={#2 environment},%
4592     name={\tstidxenvfmt{#2} environment},%

```

```

4593     text={\tstidxenvfmt{#2}},description={},#1}%
4594 \fi
4595 }

```

\tstidxnewapp

```

4596 \newcommand*{\tstidxnewapp}[3][]{%
4597   \if@tstidx@setdescription
4598     \tstidxnewentry{\tstidx@getlabel{#2}}{application}{sort={#2},%
4599     name={\tstidxappfmt{#2}},description={#3},#1}%
4600     \tstidxnewentry{applications.\tstidx@getlabel{#2}}{application}{sort={#2},%
4601     parent={applications},name={\tstidxappfmt{#2}},description={#3}}%
4602   \else
4603     \tstidxnewentry{\tstidx@getlabel{#2}}{application}{sort={#2},%
4604     name={\tstidxappfmt{#2}},description={},#1}%
4605     \tstidxnewentry{applications.\tstidx@getlabel{#2}}{application}{sort={#2},%
4606     parent={applications},name={\tstidxappfmt{#2}},description={}}%
4607   \fi
4608 }

```

tidxnewappopt

```

4609 \newcommand*{\tstidxnewappopt}[4][]{%
4610   \if@tstidx@setdescription
4611     \tstidxnewentry{\tstidx@getlabel{#3.#2option}}{applicationoption}%
4612     {sort={#3 (#2)},%
4613     name={\tstidxappoptfmt{#3} (\tstidxappfmt{#2})},description={#4},#1}%
4614     \tstidxnewentry{\tstidx@getlabel{#2.#3}}{applicationoption}%
4615     {parent={#2},sort={#3},%
4616     name={\tstidxappoptfmt{#3}},description={#4},#1}%
4617     \tstidxnewentry{\tstidx@getlabel{applications.#2.#3}}%
4618     {applicationoption}{sort={#3},%
4619     parent={\tstidx@getlabel{applications.#2}},name={\tstidxappoptfmt{#3}},%
4620     description={#4}}%
4621   \else
4622     \tstidxnewentry{\tstidx@getlabel{#3.#2option}}{applicationoption}%
4623     {sort={#3 (#2)},%
4624     name={\tstidxappoptfmt{#3} (\tstidxappfmt{#2})},description={},#1}%
4625     \tstidxnewentry{\tstidx@getlabel{#2.#3}}{applicationoption}%
4626     {parent={#2},sort={#3},%
4627     name={\tstidxappoptfmt{#3}},description={},#1}%
4628     \tstidxnewentry{\tstidx@getlabel{applications.#2.#3}}%
4629     {applicationoption}{sort={#3},%
4630     parent={\tstidx@getlabel{applications.#2}},name={\tstidxappoptfmt{#3}},%
4631     description={}}%
4632   \fi
4633 }

```

\tstidxnewsty

```

4634 \newcommand*{\tstidxnewsty}[3][]{%
4635   \if@tstidx@setdescription

```

```

4636 \tstidxnewentry{\tstidx@getlabel{#2package}}{package}{sort={#2 package},%
4637 name={\tstidxstyfmt{#2} package},%
4638 text={\tstidxstyfmt{#2}},%
4639 description={#3},#1}%
4640 \tstidxnewentry{\tstidx@getlabel{packages.#2package}}{package}{sort={#2},%
4641 parent={packages},name={\tstidxstyfmt{#2}},%
4642 text={\tstidxstyfmt{#2}},description={#3}}%
4643 \else
4644 \tstidxnewentry{\tstidx@getlabel{#2package}}{package}{sort={#2 package},%
4645 name={\tstidxstyfmt{#2} package},%
4646 text={\tstidxstyfmt{#2}},%
4647 description={},#1}%
4648 \tstidxnewentry{\tstidx@getlabel{packages.#2package}}{package}{sort={#2},%
4649 parent={packages},name={\tstidxstyfmt{#2}},%
4650 text={\tstidxstyfmt{#2}},description={}}%
4651 \fi
4652 }

```

newstyseealso

```

4653 \if@tstidx@useglseekey
4654 \if@tstidx@hasseealsokey
4655 \newcommand*{\tstidxnewstyseealso}[4][[]]{%
4656 \tstidxnewsty[seealso={#4},#1]{#2}{#3}%
4657 }
4658 \else
4659 \newcommand*{\tstidxnewstyseealso}[4][[]]{%
4660 \tstidxnewsty[see={[\seealsoname]#4},#1]{#2}{#3}%
4661 }
4662 \fi
4663 \else
4664 \newcommand*{\tstidxnewstyseealso}[4][[]]{%
4665 \tstidxnewsty[#1]{#2}{#3}%
4666 }
4667 \fi

```

tidxnewstyopt

```

4668 \newcommand*{\tstidxnewstyopt}[4][[]]{%
4669 \if@tstidx@setdescription
4670 \tstidxnewentry{\tstidx@getlabel{#2package.#3}}{packageoption}{sort={#3},%
4671 name={\tstidxstyoptfmt{#3}},%
4672 parent={\tstidx@getlabel{#2package}},%
4673 description={#4},#1}%
4674 \tstidxnewentry{\tstidx@getlabel{packages.#2package.#3}}{packageoption}%
4675 {sort={#3},%
4676 parent={\tstidx@getlabel{packages.#2package}},name={\tstidxstyoptfmt{#3}},%
4677 description={#4}}%
4678 \else
4679 \tstidxnewentry{\tstidx@getlabel{#2package.#3}}{packageoption}{sort={#3},%
4680 name={\tstidxstyoptfmt{#3}},%

```

```

4681     parent={\tstidx@getlabel{#2package}},%
4682     description={},#1}%
4683     \tstidxnewentry{\tstidx@getlabel{packages.#2package.#3}}{packageoption}%
4684     {sort={#3},%
4685     parent={\tstidx@getlabel{packages.#2package}},name={\tstidxstyoptfmt{#3}},%
4686     description={}}%
4687 \fi
4688 }

```

tidxnewnumber

```

4689 \newcommand*\tstidxnewnumber[3][]{%
4690 \if@tstidx@setdescription
4691 \tstidxnewentry{\tstidx@getlabel{#2}}{number}{name={#2},description={#3},#1}%
4692 \else
4693 \tstidxnewentry{\tstidx@getlabel{#2}}{number}{name={#2},description={},#1}%
4694 \fi
4695 }

```

stidxnewphrase

```
\tstidxnewphrase[<options>]{<phrase>}{<description>}
```

```

4696 \newcommand*\tstidxnewphrase[3][]{%
4697 \if@tstidx@setdescription
4698 \tstidxnewentry{\tstidx@getlabel{#2}}{phrase}{name={#2},description={#3},#1}%
4699 \else
4700 \tstidxnewentry{\tstidx@getlabel{#2}}{phrase}{name={#2},description={},#1}%
4701 \fi
4702 }

```

dxnewphrasesee

```
\tstidxnewphrasesee[<options>]{<phrase>}{<description>}
{<xr-labels>}
```

```

4703 \if@tstidx@useglsseekey
4704 \newcommand*\tstidxnewphrasesee[4][]{%
4705 \tstidxnewphrase[see={#4},#1]{#2}{#3}%
4706 }
4707 \else
4708 \newcommand*\tstidxnewphrasesee[4][]{%
4709 \tstidxnewphrase[#1]{#2}{#3}%
4710 }
4711 \fi

```

wphraseseealso

```
\tstidxnewphraseseealso[<options>]{<phrase>}{<description>}
{<xr-labels>}
```

```
4712 \if@tstidx@useglsseekey
```

```

4713 \if@tstidx@hasseealsokey
4714   \newcommand*{\tstidxnewphraseseeealso}[4][]{%
4715     \tstidxnewphrase[seealso={#4},#1]{#2}{#3}%
4716   }
4717 \else
4718   \newcommand*{\tstidxnewphraseseeealso}[4][]{%
4719     \tstidxnewphrase[see={\seealsoname}#4},#1]{#2}{#3}%
4720   }
4721 \fi
4722 \else
4723   \newcommand*{\tstidxnewphraseseeealso}[4][]{%
4724     \tstidxnewphrase[#1]{#2}{#3}%
4725   }
4726 \fi

```

xnewartphrase

```

4727 \newcommand*{\tstidxnewartphrase}[4][]{%
4728   \if@tstidx@setdescription
4729   \tstidxnewentry{\tstidx@getlabel{#3}}{phrase}{name={#3, #2},
4730     text={#2 #3},description={#4},#1}%
4731   \else
4732   \tstidxnewentry{\tstidx@getlabel{#3}}{phrase}{name={#3, #2},
4733     text={#2 #3},description={},#1}%
4734   \fi
4735 }

```

xnewsbphrase

```

4736 \newcommand*{\tstidxnewsbphrase}[4][]{%
4737   \if@tstidx@setdescription
4738   \tstidxnewentry{\tstidx@getlabel{#2.#3}}{phrase}%
4739     {parent={\tstidx@getlabel{#2}},%
4740     name={#3},description={#4},#1}%
4741   \else
4742   \tstidxnewentry{\tstidx@getlabel{#2.#3}}{phrase}%
4743     {parent={\tstidx@getlabel{#2}},%
4744     name={#3},description={},#1}%
4745   \fi
4746 }

```

tstidxnewperson Arguments: first name, surname.

```

4747 \newcommand*{\tstidxnewperson}[4][]{%
4748   \tstidxnewutfperson[#1]{#2}{#3}{#2}{#3}{#4}%
4749 }

```

dxnewutfperson

```

\tstidxnewutfperson[<options>]{<ascii first name>}{<ascii
surname>}[<label>]{<utf first name>}{<utf surname>}

```

```

4750 \newcommand*{\tstidxnewutfperson}[3][]{%
4751   \@ifnextchar[{\@tstidxnewutfperson{#1}{#2}{#3}}%
4752   {\@tstidxnewutfperson{#1}{#2}{#3}[#2#3]}%
4753 }
4754 \def\@tstidxnewutfperson#1#2#3[#4]#5#6#7{%
4755   \if@tstidx@setdescription
4756     \tstidxnewutfentrytext{\tstidx@getlabel{#4}}{#3, #2}{#2 #3}{#6, #5}{#5 #6}%
4757     {}{description={#7}, #1}{person}%
4758     \tstidxnewutfentrytext{\tstidx@getlabel{people.#4}}{#3, #2}{#2 #3}{#6, #5}%
4759     {#5 #6}{}{description={#7}, parent={people}}{person}%
4760   \else
4761     \tstidxnewutfentrytext{\tstidx@getlabel{#4}}{#3, #2}{#2 #3}{#6, #5}{#5 #6}%
4762     {}{#1}{person}%
4763     \tstidxnewutfentrytext{\tstidx@getlabel{people.#4}}{#3, #2}{#2 #3}{#6, #5}%
4764     {#5 #6}{}{parent={people}}{person}%
4765   \fi
4766 }

```

\tstidxnewsym

```

4767 \newcommand*{\tstidxnewsym}[4][]{%
4768   \if@tstidx@setdescription
4769     \tstidxnewentry{\tstidx@getlabel{#2}}{symbol}%
4770     {name={#3}, sort={#2}, description={#4}, #1}%
4771   \else
4772     \tstidxnewentry{\tstidx@getlabel{#2}}{symbol}%
4773     {name={#3}, sort={#2}, description={}, #1}%
4774   \fi
4775 }

```

ewindexmarker

```

4776 \newcommand*{\tstidxnewindexmarker}[3][]{%
4777   \if@tstidx@setdescription
4778     \toks@{description={#3}, #1}%
4779   \else
4780     \toks@{description={}, #1}%
4781   \fi
4782   \iftestidxprefix
4783     \protected@edef\@tstidx@dodef{%
4784       \noexpand\tstidxnewentry{\tstidx@getlabel{#2}}%
4785       {indexmarker}{%
4786         name={{}}\noexpand\protect\expandonce{\cename#2\endcsname}\noexpand\space
4787         (\noexpand\tstidxcsfmt{#2})},%
4788         sort={\tstidxindexmarkerprefix#2},
4789         \the\toks@}%
4790   \else
4791     \protected@edef\@tstidx@dodef{%
4792       \noexpand\tstidxnewentry{\tstidx@getlabel{#2}}%
4793       {indexmarker}{%
4794         name={{}}\noexpand\protect\expandonce{\cename#2\endcsname}\noexpand\space

```



```

4795     (\noexpand\tstidxcsfmt{#2})),%
4796     sort={#2},
4797     \the\toks@}}%
4798 \fi
4799 \@tstidx@dodef
4800 }

```

```

\tstidxnewmath \tstidxnewmath[<options>]{<sort>}[<label>]{<text>}{<description>}

```

```

4801 \newcommand*{\tstidxnewmath}[2][{}]{%
4802   \@ifnextchar[{\@tstidxnewmath{#1}{#2}}{\@tstidxnewmath{#1}{#2}[#2]}%
4803 }
4804 \def\@tstidxnewmath#1#2[#3]#4#5{%
4805   \if@tstidx@setdescription
4806     \tstidxnewentry{\tstidx@getlabel{#3}}{math}%
4807     {name={#4$},text={#4},sort={#2},description={#5},#1}%
4808   \else
4809     \tstidxnewentry{\tstidx@getlabel{#3}}{math}%
4810     {name={#4$},text={#4},sort={#2},description={},#1}%
4811   \fi
4812 }

```

```

idxnewmathsym

```

```

4813 \newcommand*{\tstidxnewmathsym}[2][{}]{%
4814   \@ifnextchar[{\@tstidxnewmathsym{#1}{#2}}{\@tstidxnewmathsym{#1}{#2}[#2]}%
4815 }
4816 \def\@tstidxnewmathsym#1#2[#3]#4#5{%
4817   \iftestidxprefix
4818     \if@tstidx@setdescription
4819       \toks@{name={#4$},text={#4},description={#5},#1}%
4820     \else
4821       \toks@{name={#4$},text={#4},#1}%
4822     \fi
4823   \protected@edef\@tstidx@dodef{%
4824     \noexpand\tstidxnewentry{\tstidx@getlabel{#3}}{mathsymbol}%
4825     {sort={\tstidxmathsymprefix#2},description={},\the\toks@}%
4826   }%
4827   \@tstidx@dodef
4828   \else
4829     \if@tstidx@setdescription
4830       \tstidxnewentry{\tstidx@getlabel{#3}}{mathsymbol}{name={#4$},%
4831       text={#4},sort={#2},description={#5},#1}%
4832     \else
4833       \tstidxnewentry{\tstidx@getlabel{#3}}{mathsymbol}{name={#4$},%
4834       text={#4},sort={#2},description={},#1}%
4835     \fi
4836   \fi
4837 }

```

idxnewutfword

```
4838 \newcommand*{\tstidxnewutfword}[5][ ]{%
4839   \if@tstidx@setdescription
4840     \tstidxnewutfentry{\tstidx@getlabel{#2}}{#3}{#4}{\description={#5},#1}{word}%
4841   \else
4842     \tstidxnewutfentry{\tstidx@getlabel{#2}}{#3}{#4}{\#1}{word}%
4843   \fi
4844 }
```

newutfwordsee

```
\tstidxnewutfwordsee[<options>]{<label>}{<ascii>}{<utf>}{<description>}{<xr-labels>}
```

```
4845 \if@tstidx@useglseekey
4846   \newcommand*{\tstidxnewutfwordsee}[6][ ]{%
4847     \tstidxnewutfword[see={#6},#1]{#2}{#3}{#4}{#5}%
4848   }
4849 \else
4850   \newcommand*{\tstidxnewutfwordsee}[6][ ]{%
4851     \tstidxnewutfword[#1]{#2}{#3}{#4}{#5}%
4852   }
4853 \fi
```

utfwordseealso

```
\tstidxnewutfwordseealso[<options>]{<label>}{<ascii>}{<utf>}{<description>}{<xr-labels>}
```

```
4854 \if@tstidx@useglseekey
4855   \if@tstidx@hasseealsokey
4856     \newcommand*{\tstidxnewutfwordseealso}[6][ ]{%
4857       \tstidxnewutfword[seealso={#6},#1]{#2}{#3}{#4}{#5}%
4858     }
4859   \else
4860     \newcommand*{\tstidxnewutfwordseealso}[6][ ]{%
4861       \tstidxnewutfword[see={[\seealsoname]#6},#1]{#2}{#3}{#4}{#5}%
4862     }
4863   \fi
4864 \else
4865   \newcommand*{\tstidxnewutfwordseealso}[6][ ]{%
4866     \tstidxnewutfword[#1]{#2}{#3}{#4}{#5}%
4867   }
4868 \fi
```

newutfdigraph

```
4869 \newcommand*{\tstidxnewutfdigraph}[5][ ]{%
4870   \if@tstidx@setdescription
4871     \tstidxnewutfentry{\tstidx@getlabel{#2}}{#3}{#4}{\description={#5},#1}{digraph}%
4872   \else
```

```

4873 \tstidxnewutfentry{\tstidx@getlabel{#2}}{#3}{#4}{}{#1}{digraph}%
4874 \fi
4875 }

```

xnewutfphrase

```

4876 \newcommand*{\tstidxnewutfphrase}[5][[]]{%
4877 \if@tstidx@setdescription
4878 \tstidxnewutfentry{\tstidx@getlabel{#2}}{#3}{#4}{}%
4879 {description={#5},#1}{phrase}%
4880 \else
4881 \tstidxnewutfentry{\tstidx@getlabel{#2}}{#3}{#4}{}{#1}{phrase}%
4882 \fi
4883 }

```

stidxnewplace

```

4884 \newcommand*{\tstidxnewplace}[3][[]]{%
4885 \tstidxnewutfplace[#1]{#2}{#2}{#2}{#3}%
4886 }

```

dxnewutfplace

```

4887 \newcommand*{\tstidxnewutfplace}[5][[]]{%
4888 \if@tstidx@setdescription
4889 \tstidxnewutfentry{\tstidx@getlabel{#2}}{#3}{#4}{}%
4890 {description={#5},#1}{place}%
4891 \tstidxnewutfentry{\tstidx@getlabel{places.#2}}{#3}{#4}{}%
4892 {description={#5},parent={places}}{place}%
4893 \else
4894 \tstidxnewutfentry{\tstidx@getlabel{#2}}{#3}{#4}{}{#1}{place}%
4895 \tstidxnewutfentry{\tstidx@getlabel{places.#2}}{#3}{#4}{}%
4896 {parent={places}}{place}%
4897 \fi
4898 }

```

dxnewartplace

```

4899 \newcommand*{\tstidxnewartplace}[4][[]]{%
4900 \if@tstidx@setdescription
4901 \tstidxnewentry{\tstidx@getlabel{#3}}{place}{name={#3, #2},%
4902 text={#2 #3},description={#4},#1}%
4903 \tstidxnewentry{\tstidx@getlabel{places.#3}}{place}{%
4904 parent={places},name={#3, #2},%
4905 text={#2 #3},description={#4}}%
4906 \else
4907 \tstidxnewentry{\tstidx@getlabel{#3}}{place}{name={#3, #2},%
4908 text={#2 #3},description={},#1}%
4909 \tstidxnewentry{\tstidx@getlabel{places.#3}}{place}{%
4910 parent={places},name={#3, #2},%
4911 text={#2 #3},description={}}%
4912 \fi
4913 }

```

tstidxnewbook

```
4914 \newcommand*{\tstidxnewbook}[3][]{%
4915 \if@tstidx@setdescription
4916 \tstidxnewentry{\tstidx@getlabel{#2}}{book}{sort={#2},%
4917 name={\tstidxbookfmt{#2}},description={#3},#1}%
4918 \tstidxnewentry{\tstidx@getlabel{books.#2}}{book}{sort={#2},%
4919 parent={books},name={\tstidxbookfmt{#2}},description={#3}}%
4920 \else
4921 \tstidxnewentry{\tstidx@getlabel{#2}}{book}{sort={#2},%
4922 name={\tstidxbookfmt{#2}},description={},#1}%
4923 \tstidxnewentry{\tstidx@getlabel{books.#2}}{book}{sort={#2},%
4924 parent={books},name={\tstidxbookfmt{#2}},description={}}%
4925 \fi
4926 }
```

idxnewartbook

```
4927 \newcommand*{\tstidxnewartbook}[4][]{%
4928 \if@tstidx@setdescription
4929 \tstidxnewentry{\tstidx@getlabel{#3}}{book}{%
4930 name={\tstidxbookfmt{#3,#2}},
4931 sort={#3,#2},
4932 text={\tstidxbookfmt{#2 #3}},description={#4},#1}%
4933 \tstidxnewentry{\tstidx@getlabel{books.#3}}{book}{%
4934 parent={books},
4935 name={\tstidxbookfmt{#3,#2}},
4936 sort={#3,#2},
4937 text={\tstidxbookfmt{#2 #3}},description={#4}}%
4938 \else
4939 \tstidxnewentry{\tstidx@getlabel{#3}}{book}{%
4940 name={\tstidxbookfmt{#3,#2}},
4941 sort={#3,#2},
4942 text={\tstidxbookfmt{#2 #3}},description={},#1}%
4943 \tstidxnewentry{\tstidx@getlabel{books.#3}}{book}{%
4944 parent={books},
4945 name={\tstidxbookfmt{#3,#2}},
4946 sort={#3,#2},
4947 text={\tstidxbookfmt{#2 #3}},description={}}%
4948 \fi
4949 }
```

tstidxnewfilm

```
4950 \newcommand*{\tstidxnewfilm}[3][]{%
4951 \if@tstidx@setdescription
4952 \tstidxnewentry{\tstidx@getlabel{#2}}{film}{sort={#2},%
4953 name={\tstidxfilmfmt{#2}},description={#3},#1}%
4954 \tstidxnewentry{\tstidx@getlabel{films.#2}}{film}{sort={#2},%
4955 parent={films},name={\tstidxfilmfmt{#2}},description={#3}}%
4956 \else
4957 \tstidxnewentry{\tstidx@getlabel{#2}}{film}{sort={#2},%

```

```

4958   name={\tstidxfilmfmt{#2}},description={},#1}%
4959 \tstidxnewentry{\tstidx@getlabel{films.#2}}{film}{sort={#2},%
4960   parent={films},name={\tstidxfilmfmt{#2}},description={}}%
4961 \fi
4962 }

```

idxnewartfilm

```

4963 \newcommand*{\tstidxnewartfilm}[4][[]]{%
4964 \if@tstidx@setdescription
4965 \tstidxnewentry{\tstidx@getlabel{#3}}{film}{%
4966   name={\tstidxfilmfmt{#3, #2}},
4967   sort={#3, #2},
4968   text={\tstidxfilmfmt{#2 #3}},description={#4},#1}%
4969 \tstidxnewentry{\tstidx@getlabel{films.#3}}{film}{%
4970   parent={films},
4971   name={\tstidxfilmfmt{#3, #2}},
4972   sort={#3, #2},
4973   text={\tstidxfilmfmt{#2 #3}},description={#4}}%
4974 \else
4975 \tstidxnewentry{\tstidx@getlabel{#3}}{film}{%
4976   name={\tstidxfilmfmt{#3, #2}},
4977   sort={#3, #2},
4978   text={\tstidxfilmfmt{#2 #3}},description={},#1}%
4979 \tstidxnewentry{\tstidx@getlabel{films.#3}}{film}{%
4980   parent={films},
4981   name={\tstidxfilmfmt{#3, #2}},
4982   sort={#3, #2},
4983   text={\tstidxfilmfmt{#2 #3}},description={}}%
4984 \fi
4985 }

```

### 8.3 Dummy Paragraph Redefinition

\@tidx@par@i Modify the first paragraph.

```

4986 \newcommand*{\@tidx@gls@par@i}{%
4987 This is a~sample block of text designed to test indexing with
4988 the \expandafter\tstidxsty\expandafter{\tstidx@glossariespkg} package. To test
4989 only \tstidxcs{index} and \tstidxenv{theindex} environment, just use
4990 \tstidxsty{testidx} instead of \tstidxsty{testidx-glossaries}.
4991 Alternatively, use \tstidxcs{tstidxtoidx} to switch back to the
4992 original \tstidxsty{testidx} behaviour.
4993 This sample text is provided to help test the
4994 \if@tstidx@use@encaps
4995 \tstidxword[tstidxencapii]{layout}
4996 \else
4997 \tstidxword{layout}
4998 \fi
4999 of the
5000 \if@tstidx@use@encaps

```

```

5001 \tstidxword[tstidxencapii]{index}
5002 \else
5003 \tstidxword{index}
5004 \fi
5005 (or
5006 \if@tstidx@use@encaps
5007 \tstidxword[tstidxencapii]{glossary}%
5008 \else
5009 \tstidxword{glossary}%
5010 \fi
5011 ) and the
5012 \if@tstidx@use@encaps
5013 \tstidxphrasepl[tstidxencapii]{indexing application},
5014 \else
5015 \tstidxphrasepl{indexing application},
5016 \fi
5017 such as
5018 \tstidxapp{makeindex} or
5019 \tstidxapp{xindy}, that may be used with the
5020 \expandafter\tstidxsty\expandafter{\tstidx@glossariespkg} package.
5021 This \tstidxword{example} text is just
5022 \tstidxword{filler} (produced using \tstidxcs{testidx} provided
5023 by the \tstidxopensty{testidx} package) to
5024 pad\tstindexsee{padding}{seealso}{filler} out
5025 the document with instances of \tstidxcs{index} interspersed throughout.
5026 You can find out more
5027 information from the \tstidxsty{testidx} user manual, which
5028 can be accessed using the \tstidxapp{texdoc} application.
5029 }
5030 \let\@tidx@org@par@i\@tidx@par@i
5031 \let\@tidx@par@i\@tidx@gls@par@i

```

\@tidx@par@ii **Modify the second paragraph.**

```

5032 \newcommand*{\@tidx@gls@par@ii}{%
5033 The \tstidxsty{testidx-glossaries} package uses \tstidxcs{gls} (or
5034 \tstidxcs{glspl}) unless no text should be displayed when indexing
5035 occurs (in which case just \tstidxcs{glsadd} is used). This test package
5036 doesn't make any modifications to
5037 \tstidxcs{gls} (or \tstidxcs{glspl}), but there are some minor changes to entry
5038 definitions and command use to allow this \tstidxphrase{dummy text} to test
5039 various cases. By default \tstidxcs{gls} performs the indexing before the
5040 \tstidxphrase{link text} to prevent any unwanted interference caused by the
5041 \tstidxword{whatsit} introduced by the indexing.
5042 However, it's possible that you may want the indexing to occur
5043 after the \tstidxphrase{link text}, even though it creates
5044 a~\tstidxword{whatsit}. This \tstidxphrase{dummy text} is designed to use
5045 a mixture of pre- and post-indexing to investigate the results (particularly
5046 with \tstidxwordpl{phrase} spanning a \tstidxphrase{page break}).
5047 The \tstidxsty{glossaries-extra} package (as from

```

```

5048 version 1.14) provides a~new key \tstidxqt{wrgloss} (for commands
5049 like \tstidxcs{gls}), which may take the values
5050 \tstidxqt{before} or \tstidxqt{after}. If this key is available,
5051 it will be used for the post-indexing \tstidxwordpl{example},
5052 otherwise the post-indexing will be performed manually using
5053 \tstidxcs{glsadd} after the \tstidxphrase{link text} (which is displayed using
5054 \tstidxcs{glshyperlink}). The \tstidxsty{testidx-glossaries} package
5055 just loads the base \tstidxsty{glossaries} package by default. Use
5056 the \tstidxstyopt{testidx-glossaries}{extra} package option to also
5057 load \tstidxsty{glossaries-extra}. The \tstidxphrase{visual effects} in this
5058 \tstidxphrase{dummy text} are provided to illustrate where the
5059 indexing occurs. The \tstidxsty{testidx-glossaries} package
5060 doesn't attempt to produce a well-designed index or glossary. Its
5061 \tstidxword{purpose} is to help you \tstidxword{test} your chosen
5062 \tstidxword{design}, which is easier to do with a
5063 relatively small test \tstidxword{document}, than with a large
5064 \tstidxword{book}. The \tstidxphrase{dummy text} is intended to produce an
5065 \tstidxword{index} that is at least three pages long to allow you
5066 to test the page headers and footers in a two-sided document.
5067 The \tstidxqt{mcolindexgroup} style is set by default (rather than
5068 the \tstidxqt{list} style) as that style more closely represents
5069 the style used in indexes.
5070 \if@tstidx@setdescription
5071 However, since this document has used the
5072 \tstidxstyopt{testidx-glossaries}{desc} option,
5073 the style is instead set to \tstidxqt{indexgroup}.
5074 \else
5075 If you use the \tstidxstyopt{testidx-glossaries}{desc} option,
5076 the style will instead be set to \tstidxqt{indexgroup}.
5077 \fi
5078 You can change the style using \tstidxcs{setglossarystyle}.
5079 By default the \tstidxqt{tree} styles (including
5080 \tstidxqt{mcolindexgroup}) display the name field in bold in the
5081 \tstidxword{glossary}. This is governed by the command
5082 \tstidxcs{glstreenamefmt}, which may be redefined as appropriate.
5083 You can hide the visual effects with the
5084 \tstidxstyopt{testidx}{hidemarks} package option.%
5085 \iftestidxshowmarks
5086 \else
5087 \space (It seems you already have this option set.
5088 Remove it or use \tstidxstyopt{testidx}{showmarks} to show them
5089 again.)%
5090 \fi
5091 }
5092 \let\@tidx@org@par@ii\@tidx@par@ii
5093 \let\@tidx@par@ii\@tidx@gls@par@ii

```

@tidx@par@iii **Modify the third paragraph.**

```

5094 \newcommand*{\@tidx@gls@par@iii}{%

```

```

5095 The actual place where the indexing occurs in this
5096 \if@tstidx@use@encaps
5097   \tstidxphrase[tstidxencapiii]{dummy text}
5098 \else
5099   \tstidxphrase{dummy text}
5100 \fi
5101 is marked with the symbol
5102 \tstidxindexmarker{tstidxmarker} if there is no \tstidxword{range}
5103 or
5104 \tstidxphrase{cross-reference}. The
5105 \if@tstidx@use@encaps
5106   \tstidxword[tstidxencapi]{word}
5107 \else
5108   \tstidxword{word}
5109 \fi
5110 or
5111 \if@tstidx@use@encaps
5112   \tstidxword[tstidxencapii]{phrase}
5113 \else
5114   \tstidxword{phrase}
5115 \fi
5116 adjacent to this \tstidxword{marker} is
5117 the text being indexed.\tstidxfootnote{The indexing may
5118 occur before or after the \tstidxword{word} or \tstidxword{phrase}
5119 (\tstidxphrase{link text}) being indexed in this
5120 \if@tstidx@use@encaps
5121   \tstidxphrase[tstidxencapiii]{dummy text},
5122 \else
5123   \tstidxphrase{dummy text},
5124 \fi
5125 but there's no
5126 space between the \tstidxword{marker} and the term being indexed.
5127 Incidentally, this \tstidxword{footnote} text was produced
5128 using the command \tstidxcs{tstidxfootnote}, which you can
5129 redefine as required. (It defaults to just \tstidxcs{footnote}.)}
5130 A sub-entry is indicated with the symbol
5131 \tstidxindexmarker{tstidxsubmarker} and a sub-sub-entry is
5132 indicated with the symbol \tstidxindexmarker{tstidxsubsubmarker}.
5133 If an \tstidxword{encap} value is provided, both the
5134 \if@tstidx@use@encaps
5135   \tstidxword[tstidxencapiii]{text}
5136 \else
5137   \tstidxword{text}
5138 \fi
5139 and the
5140 \if@tstidx@use@encaps
5141   \tstidxword[tstidxencapii]{marker}
5142 \else
5143   \tstidxword{marker}

```



5144 `\fi`  
5145 are typeset in the `\tstidxword{argument}` of the corresponding  
5146 command.  
5147 (The text occurring in the document is also typeset within the  
5148 argument of  
5149 `\tstidxcs{tstidxtext}`. The default value is to use a dark grey, but  
5150 since the  
5151 default values for the `\tstidxword{predefined}` encaps used in this  
5152 text all  
5153 change the colour, the dark grey will only apply where the encaps  
5154 hasn't  
5155 been set.) There are three `\tstidxword{encap}` values used  
5156 throughout this  
5157 `\tstidxphrase{dummy text}` (unless you've used the  
5158 `\tstidxstyopt{testidx}{notestencaps}` package option):  
5159 `\if@tstidx@use@encaps`  
5160 `\tstidxencapcsn[tstidxencapi]{tstidxencapi},`  
5161 `\else`  
5162 `\tstidxencapcsn{tstidxencapi},`  
5163 `\fi`  
5164 `\if@tstidx@use@encaps`  
5165 `\tstidxencapcsn[tstidxencapii]{tstidxencapii}`  
5166 `\else`  
5167 `\tstidxencapcsn{tstidxencapii}`  
5168 `\fi`  
5169 and  
5170 `\if@tstidx@use@encaps`  
5171 `\tstidxencapcsn[tstidxencapiiii]{tstidxencapiiii}.`  
5172 `\else`  
5173 `\tstidxencapcsn{tstidxencapiiii}.`  
5174 `\fi`  
5175 (The default values use `\tstidxcs{textcolor}`, so you might want to  
5176 use the  
5177 `\tstidxstyopt{hyperref}{hidelinks}` option  
5178 if you want to use the `\tstidxsty{hyperref}` package.)  
5179 If you use the `\tstidxstyopt{testidx-glossaries}{noseekey}` package option, a  
5180 cross-referenced entry (using `\tstidxcs{glssee}\if@tstidx@hasseealsokey`  
5181 `\ or \tstidxcs{glsxtrindexseealso}\fi`) is identified  
5182 using the `\tstidxword{marker}` `\tstidxindexmarker{tstidxseemarker}`  
5183 and the cross-referenced information is displayed as  
5184 a `\tstidxphrase{marginal note}` by default, with the term being indexed  
5185 followed by the `\tstidxword{cross-reference}`.  
5186 For example,  
5187 `\tstidxword{lyuk}\tstindexsee{lyuk}{seealso}{digraph}` has  
5188 the marker `\tstidxmarker\` to show that the word `\tstidxqt{lyuk}` was  
5189 indexed. If the  
5190 `\tstidxstyopt{testidx-glossaries}{noseekey}` package option is set,  
5191 this is followed by the marker `\tstidxseemarker\` to show that  
5192 a cross-reference to `\tstidxword{digraph}` has also been indexed (with the details

5193 the margin).

5194 `\if@tstidx@useglseekey`

5195 This document has used the `\tstidxstyopt{testidx-glossaries}{seekey}` package opt

5196 which means that `\tstidxcs{glsee}`

5197 `\if@tstidx@hasseealsokey`

5198 and `\tstidxcs{glxtrindexseealso}` aren't

5199 `\else`

5200 isn't

5201 `\fi`

5202 used in the `\tstidxphrase{dummy text}`.

5203 Instead the `\tstidxqt{see}`

5204 `\if@tstidx@hasseealsokey`

5205 and `\tstidxqt{seealso}` keys provided in the entry definition were

5206 `\else`

5207 key provided in the entry definition was

5208 `\fi`

5209 used to perform the `\tstidxword{cross-reference}` at the time the entry was

5210 defined, and so no markers or marginal notes are displayed.

5211 `\else`

5212 This document has used the `\tstidxstyopt{testidx-glossaries}{noseekey}` package o

5213 `\if@tstidx@hasseealsokey`

5214 and `\tstidxqt{seealso}` keys

5215 `\else`

5216 key

5217 `\fi`

5218 within the entry definitions for testing purposes. If you use the

5219 `\tstidxstyopt{testidx-glossaries}{seekey}`

5220 package option instead, the `\tstidxqt{see}`

5221 `\if@tstidx@hasseealsokey`

5222 and `\tstidxqt{seealso}` keys will

5223 be used when defining the entries with cross-references instead of

5224 using `\tstidxcs{glsee}` and `\tstidxcs{glxtrindexseealso}`.

5225 `\else`

5226 key will be used when defining the entries with cross-references instead of

5227 using `\tstidxcs{glsee}`.

5228 `\fi`

5229 No markers will appear in that case as the

5230 cross-referencing will be performed when the entry is defined in

5231 the preamble.

5232 `\fi`

5233 A sub-level `\tstidxword{cross-reference}` is identified with the

5234 `\tstidxword{marker}` `\tstidxindexmarker{tstidxsubseemarker}` and the

5235 marginal note displays the main term followed by the sub-term (separated by the

5236 symbol `\tstidxsubseesep`). The `\tstidxword{marker}` used for the start of

5237 a range is `\tstidxindexmarker{tstidxopenmarker}` and the

5238 `\tstidxword{marker}` used for the end of

5239 a range is `\tstidxindexmarker{tstidxclosemarker}`

5240 unless the entry is a sub-level, in which case the

5241 `\tstidxword{marker}` for the start of the range is

```

5242 \tstidxindexmarker{tstidxopensubmarker}
5243 and the \tstidxword{marker} used for the end of a range is
5244 \tstidxindexmarker{tstidxclosesubmarker}, or for a sub-sub-level
5245 \tstidxindexmarker{tstidxopensubsubmarker} and
5246 \tstidxindexmarker{tstidxclosesubsubmarker}. There are no tests for
5247 any further sub-levels. Although \tstidxapp{xindy} allows more than
5248 three levels (\tstidxapp{makeindex} doesn't), it's somewhat
5249 \tstidxword{excessive} to go below a sub-sub-level.
5250 You'll have to add your own tests for anything deeper.
5251 Watch out for \tstidxsubword{sub-items}{lonely} sub-items.%
5252 }
5253
5254 \let\tstidx@org@par@iii\tstidx@par@iii
5255 \let\tstidx@par@iii\tstidx@gls@par@iii

```

\tstidx@par@iv **Modify the fourth paragraph.**

```

5256 \newcommand*{\tstidx@gls@par@iv}{%
5257 Here's an \tstidxword{example} of the start of a
5258 \tstidxopenword{range} but
5259 remember that a range must also have an end, so make sure that
5260 \tstidxword{block}~\tstidx@closerangepar\ has been included in this
5261 \iftstidx@use@encaps
5262   \tstidxphrase[tstidxencapiii]{dummy text},
5263 \else
5264   \tstidxphrase{dummy text},
5265 \fi
5266 which closes this
5267 \tstidxword{example}.
5268 When the \tstidxstyopt{testidx}{verbose} option is used with just
5269 \tstidxsty{testidx}, the indexing information
5270 will show the \tstidxword{argument} being passed to
5271 \tstidxcs{tstindex} (which will cause \tstidxphrase{overfull lines}).
5272 Since the \tstidxsty{testidx-glossaries} package doesn't use
5273 \tstidxcs{tstindex}, the \tstidxstyopt{testidx-glossaries}{verbose} package
5274 option will instead write information to the transcript file showing the
5275 label, name field, sort field, text field, parent field and see field for each
5276 entry as it's defined. (The parent and see fields may be empty).
5277 If the \tstidxstyopt{testidx-glossaries}{tex} package option is
5278 used, the sorting may take a long time (since \TeX\ is being used
5279 to sort the entries). In this case, the
5280 \tstidxstyopt{testidx-glossaries}{verbose} package
5281 option will also write information while it's sorting the entries,
5282 so that you know \TeX\ is still doing something and hasn't got stuck.
5283 This document has the
5284 \iftstidxverbose
5285   \tstidxstyopt{testidx-glossaries}{verbose} package
5286 \else
5287   \tstidxstyopt{testidx-glossaries}{noverbose} package
5288 \fi

```

```

5289 option set.%
5290 }
5291 \let\@tidx@org@par@iv\@tidx@par@iv
5292 \let\@tidx@par@iv\@tidx@gls@par@iv

```

\@tidx@par@vi **Modify the sixth paragraph.**

```

5293 \newcommand*\@tidx@gls@par@vi}{%
5294 On the subject of \tstidxapp{xindy}, if you want to use it with
5295 this \tstidxword{example} document, you'll need to add the
5296 \tstidxword{encap} values used in this \tstidxphrase{dummy text}
5297 as allowed attributes. (Don't forget you'll also need the
5298 \tstidxstyopt{testidx-glossaries}{xindy} package option when you
5299 load \tstidxsty{testidx-glossaries}.) With the \tstidxsty{glossaries} package,
5300 this means using \tstidxcs{GlsAddXdyAttribute} with the
5301 encap name as the argument. For example
5302 \begin{flushleft}\ttfamily
5303 \string\GlsAddXdyAttribute\expandafter\@gobble\string\{\tstidxencapi\expandafter\@g
5304 \string\GlsAddXdyAttribute\expandafter\@gobble\string\{\tstidxencapii\expandafter\@
5305 \string\GlsAddXdyAttribute\expandafter\@gobble\string\{\tstidxencapiii\expandafter\
5306 \end{flushleft}
5307 This sets up allowed encap values and how they should be formatted.
5308 The ordering of the allowed \tstidxword{attributes} here gives the
5309 \tstidxencapcsn{tstidxencapi} encap precedence in the
5310 event of a \tstidxphrase{multiple encaps} clash, since it's the
5311 first one in the list.
5312 Check out the difference between using \tstidxapp{xindy} and
5313 \tstidxapp{makeindex} on this document. Also check the difference
5314 between using \tstidxapp{makeglossaries} and
5315 \tstidxapp{makeglossaries-lite} to build this document.
5316 The \tstidxsubword{location list}{page separator} is given by
5317 \tstidxcs{delimN}, and the
5318 \tstidxsubword{location list}{range separator}%
5319 \tstindexsee{range separator}{see}{location list} is given by
5320 \tstidxcs{delimR}.
5321 On the subject of location lists, the word
5322 \tstidxword{passim} (meaning \tstidxqt{here and there}) is
5323 sometimes used to tidy up ragged lists. For example,
5324 the locations \tstidxqt{1, 3, 4, 6, 7} may look neater as
5325 \tstidxqt{1-7 passim}, which indicates references are scattered (here
5326 and there) throughout that range.
5327 The \tstidxapp{bib2gls} application may be used with the
5328 \tstidxsty{glossaries-extra} package instead of
5329 \tstidxapp{makeindex} or \tstidxapp{xindy}. Use the
5330 \tstidxstyopt{testidx-glossaries}{bib2gls} package option to set up
5331 this dummy text to use it. Note that this option doesn't make use
5332 of the prefix commands \tstidxcs{tstidxindexmarkerprefix} or
5333 \tstidxcs{tstidxindexmathsymprefix}. The
5334 \tstidxstyopt{testidx}{prefix} package option will instead alter
5335 the way the bib files are loaded to produce a similar grouping.%

```

```
5336 }
5337 \let\@tidx@org@par@vi\@tidx@par@vi
5338 \let\@tidx@par@vi\@tidx@gls@par@vi
```

@sanitizernote

```
5339 \newcommand{\@tidx@gls@sanitizernote}{%
5340 \space You currently have the
5341 \@tstidx@ifsanitize
5342 {\@tstidxstyopt{testidx-glossaries}{sanitize} option on.
5343 This means that the words containing \@tstidxword{UTF-8} characters will
5344 first be sanitized before being passed to \@tstidxphrase{indexing application}
5345 which will allow you to test how well the \@tstidxphrase{indexing application}
5346 sorts \@tstidxword{UTF-8} characters. If you'd rather test how
5347 \@tstidxcs{index} writes these characters to the file read by the
5348 indexing application, use the \@tstidxstyopt{testidx-glossaries}{nosanitize}
5349 option instead. This may cause the \@tstidxword{UTF-8} characters to be
5350 written in terms of \@tstidxcs{IeC}.
5351 }%
5352 {\@tstidxstyopt{testidx-glossaries}{nosanitize} option on.
5353 This means that the words containing \@tstidxword{UTF-8} characters
5354 may be written to the file processed by the
5355 \@tstidxphrase{indexing application} in terms of
5356 \@tstidxcs{IeC}. This allows you to test how \@tstidxcs{index} behaves.
5357 If you'd rather test how the indexing application sorts
5358 \@tstidxword{UTF-8} characters, use the
5359 \@tstidxstyopt{testidx-glossaries}{sanitize}
5360 option instead, which will sanitize the \@tstidxword{UTF-8} characters
5361 before passing them to \@tstidxcs{tstindex}.
5362 }%
5363 The \@tstidxstyopt{testidx-glossaries}{nosanitize} option doesn't
5364 have an effect when used with the
5365 \@tstidxstyopt{testidx-glossaries}{bib2gls} package option, since
5366 the sort value isn't written to an external file.%
5367 }
5368 \let\@tidx@org@sanitizernote\@tidx@sanitizernote
5369 \let\@tidx@sanitizernote\@tidx@gls@sanitizernote
```

ipaccentsnote

```
5370 \newcommand{\@tidx@gls@stripaccentsnote}{%
5371 \space The \@tstidxstyopt{testidx-glossaries}{stripaccents} package option will
5372 effectively do, for example,
5373 \texttt{sort=\char`\{elite\char`\},
5374 name=\char`\{\string\elite\char`\}}
5375 whereas the
5376 \@tstidxstyopt{testidx-glossaries}{nostripaccents} package option will
5377 effectively do, for example,
5378 \texttt{sort=\char`\{\string\elite\char`\},
5379 name=\char`\{\string\elite\char`\}}. These options have
5380 no effect in UTF-8 mode.%
```

```
5381 }
5382 \let\@tidx@org@stripaccentsnote\@tidx@stripaccentsnote
5383 \let\@tidx@stripaccentsnote\@tidx@gl@stripaccentsnote
```

dx@scriptnote

```
5384 \newcommand*{\@tidx@gl@scriptnote}{%
5385   (Note how the subscripts and superscripts can be affected
5386   by material inserted between the symbol and the sub- and
5387   superscripts. With the \tstidxsty{glossaries} package, this can be
5388   avoided by using the final optional argument of commands like
5389   \tstidxcs{gl} to bring the scripts into the
5390   \tstidxphrase{link text}, but not if the scripts also include
5391   \tstidxcs{gl}, as the superscript does here.)
5392 }
5393 \let\@tidx@org@scriptnote\@tidx@scriptnote
5394 \let\@tidx@scriptnote\@tidx@gl@scriptnote
```

erlettergroup

```
5395 \newcommand*{\@tidx@gl@numberlettergroup}{%
5396   If you're using \tstidxapp{xindy}, the \tstidxqt{glnumbers}
5397   letter group (with the title \tstidxqt{glnumbersgroupname}) will
5398   automatically be added to your \texttt{.xdy}
5399   file unless you switch off this feature with the
5400   \tstidxstyopt{testidx-glossaries}{noglnumbers} package option.
5401 }
5402 \let\@tidx@org@numberlettergroup\@tidx@numberlettergroup
5403 \let\@tidx@numberlettergroup\@tidx@gl@numberlettergroup
```

hslettergroup

```
5404 \newcommand*{\@tidx@gl@mathslettergroup}{%
5405   \@testidx@ifusebibgl
5406   {%
5407     Now I've been a bit fancy here and used multiple bib files
5408     to define the glossary entries. The maths symbols are defined in
5409     their own separate bib file.
5410     \iftstidxprefix
5411     This document has used the \tstidxstyopt{testidx}{prefix} package
5412     option, which means that \tstidxcs{tstidxmakegloss} is defined to
5413     perform separate sorts for each resource block, which enables the
5414     maths symbols to appear in their own group.
5415     \else
5416     This document has used the \tstidxstyopt{testidx}{noprefix} package
5417     option, which means that \tstidxcs{tstidxmakegloss} is defined to
5418     sort the maths symbols together with the main entries. If you
5419     use the \tstidxstyopt{testidx}{prefix} package instead, the maths
5420     symbols will be sorted separately and placed in their own group.
5421     \fi
5422     If you haven't used \tstidxcs{tstidxmakegloss} then the above
5423     won't apply. If you don't use the
```

```

5424 \tstidxstyopt{testidx-glossaries}{bib2gls} package option, then
5425 the \tstidxstyopt{testidx}{prefix} package will instead insert
5426 \texttt{\tstidxmathsymprefix} in front of
5427 the sort key so I can get \tstidxapp{xindy} to create a special
5428 group for the maths symbols. Here's
5429 }%
5430 {%
5431 \iftestidxprefix
5432 Now I've been a bit fancy here and inserted
5433 \texttt{\tstidxmathsymprefix} in front of
5434 the sort key so I can get \tstidxapp{xindy} to create a special
5435 group for the maths symbols. Here's
5436 \else
5437 This document has used the \tstidxstyopt{testidx}{noprefix}
5438 package option, which has switched of the sort prefixes.
5439 If you use the \tstidxstyopt{testidx}{prefix} option I can be a
5440 bit fancy here and insert
5441 \texttt{\tstidxmathsymprefix} in front of
5442 the sort key so I can get \tstidxapp{xindy} to create a special
5443 group for the maths symbols. When you switch on the prefixes here's
5444 \fi
5445 }%
5446 the code you can add to your document to implement it:
5447 \begin{flushleft}\ttfamily
5448 \string\GlsAddLetterGroup\glsopenbrace Maths\glsclosebrace\glsopenbrace
5449   \string:prefixes (\string"\tstidxmathsymprefix\string")
5450   \string:before \string"glnumbers\string"\glsclosebrace
5451 \end{flushleft}
5452 }
5453 \let\@tidx@org@mathslettergroup\@tidx@mathslettergroup
5454 \let\@tidx@mathslettergroup\@tidx@gls@mathslettergroup

```

This file contains the definitions of words containing glyphs representing the digraphs ll, ij and dz.

```

5455 \tstidxnewutfdigraph{ll}{ll}{ll}{a \gls hyperlink{digraph} used in
5456 a number of languages. In Welsh, LL is considered a separate letter
5457 from L and may be rendered as a ligature ll}
5458 \tstidxnewutfdigraph{ij}{ij}{ij}{a \gls hyperlink{digraph} used in Dutch that's somet
5459 considered
5460 a separate letter from I and may be rendered as the ligature IJ}
5461 \tstidxnewutfdigraph{dz}{dz}{dz}{a \gls hyperlink{digraph} used in
5462 a number of languages. In Hungarian, Dz is considered a separate
5463 letter
5464 from D and may be rendered as the ligature Dż}
5465 \tstidxnewutfword{llan}{llan}{llan}{commonly used placename element in Brittonic
5466 languages (such as Welsh) typically indicating parish church}
5467 \tstidxnewutfword{llama}{llama}{llama}{domesticate animal found in the Andes}
5468 \tstidxnewutfword{lijnbus}{lijnbus}{lijnbus}{bus (Dutch)}
5469 \tstidxnewutfword{ijsvrij}{ijsvrij}{ijsvrij}{frost (Dutch)}
5470 \tstidxnewutfword{dzwon}{dzwon}{dzwon}{bell (Polish)}

```

5471 \tstidxnewutfword{dzeta}{dz\'eta}{dzéta}{the Greek letter zeta  
5472 (Hungarian)}

**This file contains the definitions of words containing the digraphs ll, ij and dz.**

5473 \tstidxnewdigraph{ll}{a \glshyperlink{digraph} used in  
5474 a number of languages. In Welsh, LL is considered a separate letter  
5475 from L and may be rendered as a ligature}  
5476 \tstidxnewdigraph{ij}{a \glshyperlink{digraph} used in Dutch that's sometimes consi  
5477 a separate letter from I and may be rendered as a ligature}  
5478 \tstidxnewdigraph{dz}{a \glshyperlink{digraph} used in  
5479 a number of languages. In Hungarian, Dz is considered a separate  
5480 letter  
5481 from D and may be rendered as a ligature}  
5482 \tstidxnewword{llan}{commonly used placename element in Brittonic  
5483 languages (such as Welsh) typically indicating parish church}  
5484 \tstidxnewword{llama}{domesticate animal found in the Andes}  
5485 \tstidxnewword{lijnbus}{bus (Dutch)}  
5486 \tstidxnewword{ijsvrij}{frost (Dutch)}  
5487 \tstidxnewword{dzwon}{bell (Polish)}  
5488  
5489 \tstidxnewutfword{dzeta}{dz\'eta}{dzéta}{the Greek letter zeta  
5490 (Hungarian)}

**This file contains the definitions of all the terms except for those containing the digraphs ll, ij and dz. There are a few terms that aren't actually used in the modified dummy text produced with testidx-glossaries, but are provided to compare indexed with non-indexed entries. First the terms that have sub-items need to be defined:**

5491 \tstidxnewword{packages}{files provided to adjust the document  
5492 design or provide new commands}  
5493 \tstidxnewword{books}{written or printed works}  
5494 \tstidxnewword{films}{stories recorded by camera}  
5495 \tstidxnewword{people}{human individuals (or fictional  
5496 anthropomorphisms)}  
5497 \tstidxnewword{places}{particular areas or locations}  
5498 \tstidxnewword{sub-items}{items that have a parent entry}  
5499 \tstidxnewword{applications}{computer programs}  
5500 \tstidxnewword{environments}{a marked-up block within the document  
5501 that requires special action or formatting}  
5502 \tstidxnewword{attributes}{qualities or features that characterise  
5503 something}

**Now define words.**

5504 \tstidxnewword{parse}{divide a sentence into its component parts for  
5505 analysis}  
5506 \tstidxnewword{interpret}{translate or explain the meaning of}  
5507 \tstidxnewword{oak}{large tree that produces acorns}  
5508 \tstidxnewword{daft}{silly or foolish}  
5509 \tstidxnewword{rhubarb}{thick reddish or green leaf stalks  
5510 of a plant from the dock family}  
5511 \tstidxnewword{rhinoceros}{a large plant-eating mammal}



5512 with one or two horns on its nose}  
5513 \tstidxnewword{aardvark}{an African mammal}  
5514 \tstidxnewword{check}{make sure something is the case}  
5515 \tstidxnewword{chalk}{soft limestone substance made into sticks to  
5516 use for writing}  
5517 \tstidxnewword{index}{an alphabetical list of names, terms or  
5518 subjects with references to where they occur in the document}  
5519 \tstidxnewword{phrase}{group of words forming a unit}  
5520 \tstidxnewword{glossary}{an alphabetical list of words with  
5521 explanations}  
5522 \tstidxnewword{layout}{the way something is laid out (for example,  
5523 on a page)}  
5524 \tstidxnewword{filler}{something used to fill in gaps or increase bulk}  
5525 \tstidxnewwordseealso{padding}{something used  
5526 to pad out material to make it longer}{filler}  
5527 \tstidxnewword{example}{thing used to illustrate something}  
5528 \tstidxnewword{purpose}{the reason for doing something}  
5529 \tstidxnewword{whatsit}{In \TeX\ terms, a mechanism to allow  
5530 extensions to \TeX, including writing to files or providing  
5531 special instructions to printing devices. More generally,  
5532 a whatsit is an unnamed person or thing}  
5533 \tstidxnewword{test}{a means of testing something}  
5534 \tstidxnewword{design}{plan or purpose}  
5535 \tstidxnewword{document}{a piece of written, printed or electronic  
5536 matter that provides information}  
5537 \tstidxnewword{book}{written or printed work}  
5538 \tstidxnewword{range}{area of variation or scope}  
5539 \tstidxnewword{word}{single unit of language which has meaning}  
5540 \tstidxnewword{marker}{an identifying symbol}  
5541 \tstidxnewword{footnote}{additional information written at the  
5542 bottom of a page}  
5543 \tstidxnewword{encap}{the format used to encapsulate the location}  
5544 \tstidxnewword{text}{written or printed or electronically  
5545 represented words}  
5546 \tstidxnewword{argument}{parameter passed to a command or  
5547 application}  
5548 \tstidxnewword{predefined}{already defined}  
5549 \tstidxnewword{excessive}{more than normal or desired}  
5550 \tstidxnewword{block}{large quantity of things viewed as a unit}  
5551 \tstidxnewword{paragraph}{block of writing, beginning on a new line}  
5552 \tstidxnewword{waffle}{speak or write vague or trivial information in a lengthy way  
5553 \tstidxnewword{gibberish}{meaningless or hard to comprehend speech  
5554 or writing}  
5555 \tstidxnewwordsee{gobbledegook}{language that is  
5556 difficult to understand}{gibberish}  
5557 \tstidxnewword{clarify}{make it easier to understand}  
5558 \tstidxnewword{confidential}{private or secret information}  
5559 \tstidxnewword{roundabout}{not direct}  
5560 \tstidxnewword{fashion}{a way of doing something}

5561 \tstidxnewword{seealso{illustration}}{an example to explain something}{example}  
5562 \tstidxnewword{wit}{natural talent for saying or writing things in  
5563 an amusing or clever way}  
5564 \tstidxnewword{eloquence}{fluent or persuasive speech or writing}  
5565 \tstidxnewword{adage}{popular saying}  
5566 \tstidxnewword{motto}{short sentence of phrase expressing a belief  
5567 or aim}  
5568 \tstidxnewword{verbiage}{excessively length speech or writing}  
5569 \tstidxnewword{drivel}{nonsense}  
5570 \tstidxnewword{tutor}{teacher}  
5571 \tstidxnewword{grass}{in addition to the plant, also slang for  
5572 reporting criminal activity}  
5573 \tstidxnewword{distress}{cause anxiety}  
5574 \tstidxnewword{concordance}{an alphabetical list of important words  
5575 used in a document}  
5576 \tstidxnewword{ogling}{staring at someone in a lecherous manner}  
5577 \tstidxnewword{see{gawping}}{staring in a rude or stupid manner}{ogling}  
5578 \tstidxnewword{passim}{referencing various places in a document}  
5579 \tstidxnewword{localisation}{place or position}  
5580 \tstidxnewword{digraph}{two letters representing a single sound}  
5581 \tstidxnewword{trigraph}{three letters representing a single sound}  
5582 \tstidxnewword{seealso{lyuk}}{hole (Hungarian)}{digraph}  
5583 \tstidxnewword{seealso{dzsungel}}{jungle (Hungarian)}{trigraph}  
5584 \tstidxnewword{nonsense}{something that doesn't make sense}  
5585 \tstidxnewword{vol-au-vent}{small round puff pastry containing  
5586 savoury food}  
5587 \tstidxnewword{two}{number following one}  
5588 \tstidxnewword{sculpture}{artwork made of wood, metal or stone}  
5589 \tstidxnewword{Venus}{Roman goddess (or planet named after her)}  
5590 \tstidxnewword{zoo}{place containing animals}  
5591 \tstidxnewword{alphabet}{ordered set of letters used to form words}  
5592 \tstidxnewword{resume}{continue after an interruption}  
5593 \tstidxnewword{fly}{travel by air}  
5594 \tstidxnewword{aeroplane}{fixed wing flying vehicle}  
5595 \tstidxnewword{window}{opening in wall or window to view out or in}  
5596 \tstidxnewword{ogonek}{a diacritic hook placed under the lower right  
5597 corner of a vowel}  
5598 \tstidxnewword{sail}{travel by or navigate a boat}  
5599 \tstidxnewword{ship}{large boat}  
5600 \tstidxnewword{OT1}{one of the original font encodings provided with  
5601 \TeX}  
5602 \tstidxnewword{UTF-8}{character encoding that uses 8-bit code units}  
5603 \tstidxnewword{life}{existence}  
5604 \tstidxnewword{universe}{all existing space and matter}  
5605 \tstidxnewword{even}{multiple of two}  
5606 \tstidxnewword{century}{period of 100 years or a score of 100 runs}  
5607 \tstidxnewword{cricket}{bat and ball game played between two teams  
5608 with eleven players on either side}  
5609 \tstidxnewword{calendar}{chart or list showing a period of time}

5610 \tstidxnewword{prefix}{word or letter placed at the start of another  
5611 word}  
5612 \tstidxnewword{gobsmacked}{astonished}  
5613 \tstidxnewword{astounded}{shocked or very surprised}  
5614 \tstidxnewword{quaint}{old-fashioned or unusual}  
5615 \tstidxnewword{yatter}{chatter or talk non-stop}  
5616 \tstidxnewword{yawn}{open one's mouth due to tiredness or boredom}  
5617 \tstidxnewword{quirky}{peculiar or unexpected habits}  
5618 \tstidxnewword{badinage}{witty conversation}  
5619 \tstidxnewword{expire}{come to an end}  
5620 \tstidxnewword{story}{account or description of imaginary or real  
5621 events}  
5622 \tstidxnewword{begin}{start something}  
5623 \tstidxnewword{forget}{fail to remember something}  
5624 \tstidxnewword{tale}{a story}  
5625 \tstidxnewword{adventure}{unusual or exciting or daring experience}  
5626 \tstidxnewword{derring-do}{heroic action}  
5627 \tstidxnewword{hero}{principle male character in a story or a person  
5628 admired for their achievements}  
5629 \tstidxnewword{title}{name of a document or work, or a name that  
5630 describes a position}  
5631 \tstidxnewword{knight}{a man raised to military rank after service  
5632 as a page or squire, or a man entitled to use \tstidxqt{Sir} before  
5633 his name}  
5634 \tstidxnewword{handsome}{good-looking}  
5635 \tstidxnewword{bold}{confident or brave}  
5636 \tstidxnewword{brave}{prepared to face danger or difficulties}  
5637 \tstidxnewword{duck}{a waterbird with a blunt bill, short legs and webbed feet}  
5638 \tstidxnewword{name}{word or words by which something is known}  
5639 \tstidxnewword{plight}{dangerous situation}  
5640 \tstidxnewword{land}{area of ground}  
5641 \tstidxnewword{OgRe}{an ogre is a man-eating giant or a terrifying  
5642 person. The silly capitalisation is just a reference to \TeX's output  
5643 routine}  
5644 \tstidxnewword{reference}{referring to something}  
5645 \tstidxnewword{perilous}{dangerous or full of risk}  
5646 \tstidxnewword{quest}{long or difficult search for something}  
5647 \tstidxnewword{xor}{\LaTeX3 experimental output routine}  
5648 \tstidxnewword{continuation}{state of continuing}  
5649 \tstidxnewword{newcomers}{recent arrivals}  
5650 \tstidxnewword{nod}{in addition to the action of moving one's head  
5651 up and down, also indicates a reference of acknowledgement of  
5652 something}  
5653 \tstidxnewword{centre}{point in the middle (UK spelling)}  
5654 \tstidxnewword{center}{point in the middle (US spelling)}  
5655 \tstidxnewword{lore}{tradition or knowledge of a particular subject}  
5656 \tstidxnewword{raft}{flat water vessel made from pieces of wood  
5657 tied together}  
5658 \tstidxnewword{external}{belonging outside of something}

5659 \tstidxnewword{pun}{play on words}  
5660 \tstidxnewword{joke}{something said to amuse others}  
5661 \tstidxnewword{witty}{having the ability to say clever or  
5662 amusing things}  
5663 \tstidxnewword{cameo}{small part in a story for a distinguished  
5664 actor}  
5665 \tstidxnewword{exclamation}{sudden cry}  
5666 \tstidxnewword{bog}{area of soft, wet, muddy ground}  
5667 \tstidxnewword{leviathans}{very large, powerful thing (such as a sea  
5668 monster)}  
5669 \tstidxnewword{vale}{valley}  
5670 \tstidxnewword{doom}{fate}  
5671 \tstidxnewword{chaos}{complete confusion or disorder}  
5672 \tstidxnewword{butterfly}{winged insect}  
5673 \tstidxnewword{motif}{repeated theme}  
5674 \tstidxnewword{sentence}{set of words forming a complete statement,  
5675 instruction or question}  
5676 \tstidxnewword{conjunction}{word used to connect words or clauses}  
5677 \tstidxnewword{naughty}{badly behaved}  
5678 \tstidxnewword{leap}{jump far or high across something}  
5679 \tstidxnewword{bound}{leaping movement}  
5680 \tstidxnewword{sword}{weapon with a long metal blade}  
5681 \tstidxnewword{myriad}{countless or a very great number}  
5682 \tstidxnewword{clones}{identical copy}  
5683 \tstidxnewword{repetition}{something that's been repeated}  
5684 \tstidxnewword{lair}{hiding place or den}  
5685 \tstidxnewword{roar}{loud, deep sound}  
5686 \tstidxnewword{peace}{freedom from war or anxiety}  
5687 \tstidxnewword{harmony}{arranged well or peacefully together}  
5688 \tstidxnewword{span}{length of time or full extent or extend across  
5689 something}  
5690 \tstidxnewword{fear}{anxiety about something unpleasant}  
5691 \tstidxnewword{thrilling}{exciting}  
5692 \tstidxnewword{quixotic}{impractically unselfish and idealist}  
5693 \tstidxnewword{sea}{large area of salt water}  
5694 \tstidxnewword{seal}{sea-dwelling fish-eating mammal with flippers}  
5695 \tstidxnewword{seaborne}{transported or travelling by sea}  
5696 \tstidxnewword{zither}{a type of stringed musical instrument}  
5697 \tstidxnewword{zealous}{having great enthusiasm for something}  
5698 \tstidxnewword{fan}{an admirer of something}  
5699 \tstidxnewword{youthful}{seeming young}  
5700 \tstidxnewword{magic}{having the apparent power of supernatural or  
5701 mysterious forces}  
5702 \tstidxnewword{magical}{relating to or using magic}  
5703 \tstidxnewword{yo-yo}{a round toy consisting of two discs and a  
5704 piece of string}  
5705 \tstidxnewword{wily}{using cunning or crafty methods to gain an  
5706 advantage}  
5707 \tstidxnewword{wombat}{a type of small marsupial}

5708 \tstidxnewword{warrior}{brave or experienced fighter}  
5709 \tstidxnewword{laser-guided}{guided by a laser}  
5710 \tstidxnewword{villainous}{characteristic of a villain}  
5711 \tstidxnewword{zany}{amusingly unconventional}  
5712 \tstidxnewword{zoologist}{someone who studies animals}  
5713 \tstidxnewword{xebec}{a type of small sailing ship}  
5714 \tstidxnewword{xenon}{a type of inert gas}  
5715 \tstidxnewword{xylem}{a plant tissue}  
5716 \tstidxnewword{xylene}{a type of liquid hydrocarbon}  
5717 \tstidxnewword{zounds}{an exclamation}  
5718 \tstidxnewword{Ooh}{an exclamation}  
5719 \tstidxnewword{zucchini}{a type of long, green summer squash (called  
5720 a courgette in British English)}  
5721 \tstidxnewword{xylophone}{a type of musical instrument}  
5722 \tstidxnewword{exhilarating}{pleasing or energetic}  
5723 \tstidxnewword{yuppie}{urban well-paid young middle-class professional}  
5724 \tstidxnewword{yoghurt}{thick, liquid food made from milk}  
5725 \tstidxnewword{yummy}{delicious}  
5726 \tstidxnewword{yuck}{disgusting}  
5727 \tstidxnewword{Viking}{a member of Scandinavian seafaring people  
5728 between the eighth and eleventh centuries}  
5729 \tstidxnewword{vignette}{brief episode}  
5730 \tstidxnewword{viceroy}{a person who governs a colony on behalf of  
5731 the sovereign}  
5732 \tstidxnewword{vichyssoise}{a type of soup}  
5733 \tstidxnewword{viceregal}{relating to a viceroy}  
5734 \tstidxnewword{quiz}{game or competition}  
5735 \tstidxnewword{glyph}{small graphic symbol}  
5736 \tstidxnewword{asleep}{in or into a state of sleep}  
5737 \tstidxnewword{ashore}{to or on shore or land}  
5738 \tstidxnewword{aspire}{to have strong ambitions to be or do something}  
5739 \tstidxnewword{assailed}{past tense of assail}  
5740 \tstidxnewword{recover}{get well again}  
5741 \tstidxnewword[name={re-cover}]{reecover}{to cover again}

#### Digraphs and trigraph:

5742 \tstidxnewdigraph{cz}{digraph in some languages, such as Polish}  
5743 \tstidxnewdigraph{dd}{digraph in some languages, such as Welsh}  
5744 \tstidxnewdigraph{ff}{digraph in some languages, such as Welsh}  
5745 \tstidxnewdigraph{ng}{digraph in some languages, such as Welsh}  
5746 \tstidxnewdigraph{ly}{digraph in some languages, such as Hungarian}  
5747 \tstidxnewtrigraph{dzs}{Hungarian \glshyperlink{trigraph} considered a separate let

#### Some words with the Welsh dd diagraph:

5748 \tstidxnewword{ddisgynedig}{descending (Welsh)}  
5749 \tstidxnewword{ddyrchafedig}{advanced (Welsh)}  
5750 \tstidxnewword{ffotograff}{photo (Welsh)}  
5751

#### Some words with the Hungarian ly and dz diagraphs:

5752 \tstidxnewutfword{dzsoker}{dzs\ 'oker}{dzsóker}{joker (Hungarian)}

and a Polish cz digraph:

5753 \tstidxnewutfword{czesc}{cze\s'c}{cześć}{hello (Polish)}

Now for some English words with accents.

5754 \tstidxnewutfword{elite}{\ 'elite}{élite}{group of people regarded as  
5755 the best of a particular society or organisation}

5756 \tstidxnewutfword{aesthetic}{\ae sthetic}{æsthetic}{concerning  
5757 beauty}

5758 \tstidxnewutfword{blase}{blas\ 'e}{blasé}{unimpressed or indifferent  
5759 due to familiarity}

5760 \tstidxnewutfword{protege}{prot\ 'eg\ 'e}{protégé}{person guided by an  
5761 older more experienced person}

5762 \tstidxnewutfword{clientele}{client\ 'ele}{clientèle}{all the clients  
5763 of a particular business}

5764 \tstidxnewutfword{resumee}{r\ 'esum\ 'e}{résumé}{summary of something  
5765 or curriculum vitae}

5766 \tstidxnewutfword{soiree}{soir\ 'ee}{soirée}{an evening social  
5767 gathering involving conversation or music}

5768 \tstidxnewutfword{phoenix}{ph\oe nix}{phoenix}{mythical bird that  
5769 periodically burned itself and was reborn from the ashes}

5770 \tstidxnewutfword{decor}{d\ 'ecor}{décor}{the furnishings and  
5771 decorations of a room}

5772 \tstidxnewutfword{faerie}{f\ae rie}{færie}{fairyland}

5773 \tstidxnewutfword{facade}{fa\c{c}ade}{façade}{the front face of a  
5774 building}

5775 \tstidxnewutfword{aethereal}{\ae thereal}{æthereal}{light, airy or  
5776 tenuous}

5777 \tstidxnewutfword{debutante}{d\ 'ebutante}{débutante}{a young  
5778 upper-class woman making her first appearance in society}

5779 \tstidxnewutfword{naive}{na\ " {\i}ve}{naïve}{lacking experience or  
5780 wisdom}

5781 \tstidxnewutfword{foetid}{f\oe tid}{fœtid}{smelling very unpleasant}

5782 \tstidxnewutfword{cliche}{clich\ 'e}{cliché}{overused phrase or idea}

5783 \tstidxnewutfword{deshabille}{d\ 'eshabill\ 'e}{deshabillé}{the state  
5784 of being only partially clothed}

5785 \tstidxnewutfword{negligee}{n\ 'eglig\ 'ee}{négligée}{a woman's very  
5786 thin dressing gown}

5787 \tstidxnewutfword{cafe}{caf\ 'e}{café}{small restaurant that sells  
5788 light meals}

5789 \tstidxnewutfword{anaemic}{an\ae mic}{anæmic}{suffering from anaemia}  
5790

5791 \tstidxnewutfwordsee{thornletter}{\th}{þ}{thorn}{thorn}

5792 \tstidxnewutfwordsee{ethletter}{\dh}{ð}{eth}{eth}

5793 \tstidxnewutfword{thorn}{thorn (\th)}{thorn (þ)}{Old English and  
5794 Icelandic runic letter. In English, eventually replaced by the  
5795 digraph \tstidxqt{th}}

5796 \tstidxnewutfword{eth}{eth (\dh)}{eth (ð)}{Old English letter eventually  
5797 superseded by the digraph \tstidxqt{th}, but still in use in  
5798 some other languages}

5799 \tstidxnewutfword{oesophagus}{\oe sophagus}{œsophagus}{part of the

5800 alimentary canal}

#### Places.

5801 \tstidxnewplace{Poland}{an Eastern European country}

5802 \tstidxnewplace{Glasgow}{a Scottish city}

5803 \tstidxnewplace{Iceland}{a Nordic island nation}

5804 \tstidxnewplace{Nghaerdydd}{Cardiff}

5805 \tstidxnewplace{Nghymru}{Wales}

5806 \tstidxnewplace{Ffestiniog}{a place in Wales}

#### Places with extended Latin characters.

5807 \tstidxnewutfplace{Ostergotland}{\ "Osterg\ "otland}{Östergötland}{a  
5808 county in Sweden}

5809 \tstidxnewutfplace{Angelholm}{\ "Angelholm}{Ängelholm}{a place in  
5810 Sweden}

5811 \tstidxnewutfplace{Oresund}{\ O resund}{Øresund}{a strait which  
5812 separates Denmark and Sweden}

5813 \tstidxnewutfplace{Tarnby}{T\ r\ {a}rnby}{Tårnby}{a town in Denmark}

5814 \tstidxnewutfplace{Rodovre}{R\ o\ dovre}{Rødovre}{a Danish town}

5815 \tstidxnewutfplace{Naestved}{N\ \ae stved}{Næstved}{a Danish town on  
5816 the island of Zealand}

5817 \tstidxnewutfplace{OlstykkeStenlose}{\ O lstykke-Stenl\ o se}%

5818 {Ølstykke-Stenløse}{a Danish city in North Zealand}

5819 \tstidxnewutfplace{Asslar}{A\ ss lar}{Aßlar}{German town}

5820 \tstidxnewutfplace{BadGottleubaBerggiesshubel}%

5821 {Bad Gottleuba-Berggie\ ss h\ "ubel}{Bad Gottleuba-Berggießhübel}%

5822 {a town in the Free State of Saxony, Germany}

5823 \tstidxnewutfplace{Lodz}{\ L\ 'od\ 'z}{Łódź}{Polish city}

5824 \tstidxnewutfplace{Swietokrzyskie}{\ 'Swi\ k\ {e}tokrzyskie}%

5825 {Świętokrzyskie}{Polish province}

5826 \tstidxnewutfplace{Zory}{\ .Zory}{Żory}{Polish town and city county}

5827 \tstidxnewutfplace{Zelechow}{\ .Zelech\ 'ow}{Żelechów}%

5828 {Polish town}

5829 \tstidxnewutfplace{Lobez}{\ L obez}{Łobez}{Polish town}

5830 \tstidxnewutfplace{Glogow}{G\ l og\ 'ow}{Głogów}{Polish town}

5831 \tstidxnewutfplace{Cmielow}{\ 'Cmiel\ 'ow}{Ćmielów}{Polish town}

5832 \tstidxnewutfplace{Scinawa}{\ 'Scinawa}{Ścinawa}{Polish town}

5833 \tstidxnewutfplace{Swidnica}{\ 'Swidnica}{Świdnica}{Polish town}

5834 \tstidxnewutfplace{Olvesvatn}{\ "Olvesvatn}{Ölvesvatn}{Icelandic lake}

5835 \tstidxnewutfplace{Ulfsvatn}{\ 'Ulfsvatn}{Úlfsvatn}{Icelandic lake}

5836 \tstidxnewutfplace{Anavatn}{\ 'Anavatn}{Ánavatn}{Icelandic lake}

5837 \tstidxnewutfplace{Masvatn}{M\ 'asvatn}{Másvatn}{Icelandic lake}

5838 \tstidxnewutfplace{Thrihyrningsvatn}{\ TH r\ '\ {i}hyrningsvatn}%

5839 {Þríhyrningsvatn}{Icelandic lake}

5840 \tstidxnewutfplace{Sigridharstadhavatn}%

5841 {Sigr\ '\ {i}\ dh arsta\ dh avatn}{Sigríðarstaðavatn}%

5842 {Icelandic lagoon}

5843 \tstidxnewutfplace{Graenavatn}{Gr\ \ae navatn}{Grænavatn}%

5844 {Icelandic lake}

5845 \tstidxnewutfplace{Arneslon}{\ 'Arnesl\ 'on}{Árneslón}%

5846 {Icelandic lake}  
5847 \tstidxnewutfplace{Isholsvatn}{\'Ish\'olsvatn}{Íshólsvatn}%  
5848 {Icelandic lake}

**Place starting with an article.**

5849 \tstidxnewartplace{the}{Bog of Eternal Stench}{place in the film  
5850 \glshyperlink{Labyrinth}}

**Phrases.**

5851 \tstidxnewphrase{dado rail}{waist-high moulding around the  
5852 wall of a room}  
5853 \tstidxnewphrase{indexing application}{an application that generates  
5854 a document index}  
5855 \tstidxnewphrase{visual effects}{use of imagery to create an effect}  
5856 \tstidxnewphrase{dummy text}{sample text used for demonstration not  
5857 for its content}  
5858 \tstidxnewphrase{page break}{the point where document text is broken  
5859 across two pages}  
5860 \tstidxnewphrase{link text}{for the \glshyperlink{glossariespackage}  
5861 package, this refers to the text inserted into the document  
5862 through commands like \glshyperlink{cs.gls}}  
5863 \tstidxnewphrase{cross-reference}{reference to another part of the  
5864 document or to a part of another document}  
5865 \tstidxnewphrase{marginal note}{text that's placed in the page  
5866 margin}  
5867 \tstidxnewphrase{overfull lines}{lines where the text extends into  
5868 the margin because of a formatting failure}  
5869 \tstidxnewphrase{lorem ipsum}{dummy text}  
5870 \tstidxnewphrase{between you, me and the gatepost}{an expression  
5871 meaning you're telling someone a secret that shouldn't be passed on  
5872 (common in some British dialects)}  
5873 \tstidxnewphrase{way with words}{have a particular talent with words}  
5874 \tstidxnewphrase{creative writing}{writing typically identified  
5875 by narrative craft, character development and use of literary tropes}  
5876 \tstidxnewphrase{cut to the chase}{get to the point}  
5877 \tstidxnewphrase{get to the point}{state something directly}  
5878 \tstidxnewphraseseeealso{keep mum}{be silent about something}{confidential}  
5879 \tstidxnewphrase{output routine}{\TeX's method of outputting a page}  
5880 \tstidxnewphrase{out of whack}{out of order or not working}  
5881 \tstidxnewphrase{page dimensions}{the dimensions of a page (such as  
5882 the page width and page height)}  
5883 \tstidxnewphrase{font family}{the name of a font}  
5884 \tstidxnewphrase{font size}{the size of a font}  
5885 \tstidxnewphraseseeealso{location list}%  
5886 {the list of locations used in an index to indicate where  
5887 the term being referenced was used in the document}{crossreference}  
5888 \tstidxnewphraseseee{range separator}{the symbol  
5889 used between the start and end location to indicate a range}{locationlist}  
5890 \tstidxnewphrase{page number}{the number identifying a  
5891 particular page}



5892 \tstidxnewphrase{multiple encaps}{a warning issued by  
5893 \glshyperlink{makeindex} when the same page number is indexed  
5894 with different encap values}  
5895 \tstidxnewphrase{input encoding}{the character encoding used  
5896 in the document source code}  
5897 \tstidxnewphrase{font encoding}{the encoding used by the document  
5898 font}  
5899 \tstidxnewphrase{extended Latin characters}{Latin characters outside  
5900 the basic ASCII set}  
5901 \tstidxnewphrase{cup of tea}{an expression indicating what one likes  
5902 or is interested in}  
5903 \tstidxnewphrase{whistle-stop tour}{a series of short visits to  
5904 different places}  
5905 \tstidxnewphrase{number group}{a group associated with numbers}  
5906 \tstidxnewphrase{prime number}{a number that is only divisible by  
5907 itself and 1}  
5908 \tstidxnewphrase{hold my breath}{stop breathing temporarily, also  
5909 used as an expression to indicate a state of anticipation or  
5910 suspense}  
5911 \tstidxnewphrase{letter groups}{groups associated with letters}  
5912 \tstidxnewphrase{Once upon a time}{an expression commonly used at  
5913 the start of fairy tales}  
5914 \tstidxnewphrase{across the pond}{colloquial expression indicating  
5915 the other side of the Atlantic}  
5916 \tstidxnewphrase{bad form}{an offence against accepted behaviour}  
5917 \tstidxnewphrase{Monty Python}{a British surreal comedy group}  
5918 \tstidxnewphrase{magic incantation}{words used to create a magical  
5919 effect}  
5920 \tstidxnewphrase{common knowledge}{something widely known}  
5921 \tstidxnewphrase{intrepid hero}{a hero known for his boldness  
5922 and bravery}  
5923 \tstidxnewphrase{sea lion}{a type of large seal}  
5924 \tstidxnewphrase{sealant gun}{a device used for applying sealant}  
5925 \tstidxnewphrase{zoot suit}{a suit typically having a long loose  
5926 jacket and high-waisted trousers}  
5927 \tstidxnewphrase{anonymous reviewer}{an unnamed reviewer}  
5928 \tstidxnewphrase{yule log}{a large log traditionally burnt on  
5929 Christmas Eve or a log-shaped chocolate cake}  
5930 \tstidxnewphrase{vice-president}{a president's deputy}  
5931 \tstidxnewphrase{vice admiral}{a high rank of naval officer}  
5932 \tstidxnewphrase{Victoria plum}{a large, red, dessert plum}  
5933 \tstidxnewphrase{Victoria sponge}{a sponge cake consisting of two  
5934 layers with jam filling in between}  
5935 \tstidxnewphrase{vice versa}{reversing the order of the items just  
5936 mentioned}  
5937 \tstidxnewphrase{vice chancellor}{a deputy chancellor of a  
5938 British university in charge of its administration}  
5939 \tstidxnewphrase{letter ordering}{ordering according to the  
5940 individual characters}

5941 \tstidxnewphrase{word ordering}{ordering according to the  
5942 language or locale's definition of words}  
5943 \tstidxnewphrase{mot juste}{the most appropriate word}

#### Phrases with extended Latin characters.

5944 \tstidxnewutfphrase{attache-case}{attach\'e case}{attaché case}%  
5945 {small, flat briefcase for carrying documents}  
5946 \tstidxnewutfphrase{pied-a-terre}{pied-\`a-terre}{pied-à-terre}%  
5947 {small flat or house kept for occasional use}  
5948 \tstidxnewutfphrase{bergere-hat}{berg\`ere hat}{bergère hat}%  
5949 {a type of wide-brimmed straw hat}

#### Phrases starting with an article.

5950 \tstidxnewartphrase{the}{commercial world}{pertaining to commerce}  
5951 \tstidxnewartphrase{a}{far away land}{somewhere that's far away; a  
5952 term often used in fairy tales}  
5953 \tstidxnewartphrase{the}{Golden Arara}{a made-up item in the dummy  
5954 text}  
5955 \tstidxnewartphrase{the}{Mighty Helm of Knuth}{a made-up item in the dummy  
5956 text}  
5957 \tstidxnewartphrase{the}{Legendary Sword}{a made-up item in the dummy  
5958 text}  
5959 \tstidxnewartphrase{the}{Bog of Eternal Glossaries}{a made-up place in the dummy  
5960 text}  
5961 \tstidxnewartphrase{the}{Dread Vale of the Editors}{a made-up place in the dummy  
5962 text}  
5963 \tstidxnewartphrase{the}{butterflies of chaos}{the butterfly effect  
5964 is a popular method of describing aspects of chaos theory}  
5965 \tstidxnewartphrase{The}{End}{denotes the end of a  
5966 story, especially fairy tales}

#### Sub-entries (terms).

5967 \tstidxnewsword{sub-items}{lonely}{a sub-item that doesn't have  
5968 any siblings}  
5969 \tstidxnewsword{document}{properties}{attributes such as page size}  
5970 \tstidxnewsword{font encoding}{OT1}{one of the original font  
5971 encodings supplied with \TeX}  
5972 \tstidxnewswordsee{hero}{intrepid}{a hero known for his boldness  
5973 and bravery}{intrepidhero}

#### Sub-entries (phrases).

5974 \tstidxnewsphrase{location list}{page separator}%  
5975 {symbol used to separate page references}  
5976 \tstidxnewsphrase{location list}{range separator}%  
5977 {symbol used to mark page range references}

#### People.

5978 \tstidxnewperson{James}{Joyce}{an author}  
5979 \tstidxnewperson{Donald}{Knuth}{creator of \TeX}  
5980 \tstidxnewperson{Paulo}{Cereda}{creator of \glshyperlink{arara}}  
5981 \tstidxnewperson{Sir}{Quackalot}{fictitious character}

5982 \tstidxnewperson{the}{Fairy Goose}{fictitious character}  
 5983 \tstidxnewperson{David}{Carlisle}{member of the \LaTeX3 team}  
 5984 \tstidxnewperson{Joseph}{Wright}{member of the \LaTeX3 team}

**People (extended Latin characters).**

5985 \tstidxnewutfperson{Anders Jonas}{\AA ngstr\ "om}%  
 5986 [AndersJonasAngstrom]{Anders Jonas}{Ångström}%  
 5987 {Swedish physicist}

**Books.**

5988 \tstidxnewbook{Ulysses}{a modernist novel by James Joyce}  
 5989 \tstidxnewbook{Sir Quackalot and the Golden Arara}{a fictitious book}  
 5990 \tstidxnewbook{Sir Quackalot and the Hyper Lake of Doom}{a fictitious book}  
 5991 \tstidxnewbook{Compact Oxford English Dictionary}{a dictionary}

**Books starting with an article.**

5992 \tstidxnewartbook{The}{Hitchhiker's Guide to the Galaxy}{a comedy  
 5993 series by Douglas Adams, originally created for radio but later  
 5994 adapted to book, TV and film}  
 5995 \tstidxnewartbook{The}{Adventures of Sir Quackalot}{a fictitious book}

**Films.**

5996 \tstidxnewfilm{Labyrinth}{a musical fantasy film}

**Films starting with an article.**

5997 \tstidxnewartfilm{The}{Third Man}{a British film noir}

**Symbols.**

5998 \tstidxnewsym{TeX}{\TeX}{a typesetting system created by Donald  
 5999 Knuth}

**Maths.**

6000 \tstidxnewmath{f(x)}[fx]{f(\protect\vec{x})}{a function of  $x$ }  
 6001 \tstidxnewmath{n}{n}{an integer}  
 6002 \tstidxnewmath{E}{E}{energy}

**Maths symbols.**

6003 \tstidxnewmathsym{\alpha}{\protect\alpha}{Greek letter alpha}  
 6004 \tstidxnewmathsym{\beta}{\protect\beta}{Greek letter beta}  
 6005 \tstidxnewmathsym{\gamma}{\protect\gamma}{Greek letter gamma}  
 6006 \tstidxnewmathsym{\sum}{\protect\sum}{summation}  
 6007 \tstidxnewmathsym{\partial}{\protect\partial}{partial derivative}  
 6008 \tstidxnewmathsym{\eth}[spinderiv]{\protect\eth}{spin-weighted partial derivative}

**Packages.**

6009 \tstidxnewsty{testidx}{package that produces dummy text for testing  
 6010 index styles and indexing applications}  
 6011 \tstidxnewsty{testidx-glossaries}{package that produces dummy text  
 6012 for testing glossary styles and indexing applications that integrate  
 6013 with the \glshyperlink{glossariespackage} or  
 6014 \glshyperlink{glossariesextrapackage} packages}  
 6015 \tstidxnewsty{glossaries}{a package for creating glossaries or lists  
 6016 of terms, symbols or abbreviations}

```

6017 \tstidxnewsty{glossaries-extra}{an extension to the
6018 \glshyperlink{glossariespackage} package}
6019 \tstidxnewsty{hyperref}{a package that provides extensive support
6020 for hypertext}
6021 \tstidxnewsty{lipsum}{a package that generates dummy text}
6022 \tstidxnewsty{inputenc}{a package that can be used to identify the document encoding}
6023 \tstidxnewstyseealso{fontenc}{a package that can be used to set the font
6024 encoding}{inputencpackage}
6025 \tstidxnewsty{amsmath}{a package that provides AMS mathematical
6026 facilities}
6027 \tstidxnewsty{amssymb}{a package that provides mathematical
6028 symbols}
6029 \tstidxnewsty{longtable}{a package that allows tables to flow over
6030 page boundaries}
6031 \tstidxnewsty{makeidx}{a package that provides indexing
6032 facilities}
6033 \tstidxnewsty{imakeidx}{a sophisticated package that provides indexing
6034 facilities}

```

#### Package options.

```

6035 \tstidxnewstyopt{testidx-glossaries}{extra}{load the
6036 \glshyperlink{glossariesextrapackage} package}
6037 \tstidxnewstyopt{testidx-glossaries}{noextra}{don't load the
6038 \glshyperlink{glossariesextrapackage} package (only load
6039 \glshyperlink{glossariespackage})}
6040 \tstidxnewstyopt{testidx-glossaries}{noseekey}{don't use the
6041 \tstidxqt{see} key to implement the cross-referencing (use
6042 \glshyperlink{cs.glssee} instead)}
6043 \tstidxnewstyopt{testidx-glossaries}{seekey}{use the
6044 \tstidxqt{see} key to implement the cross-referencing}
6045 \tstidxnewstyopt{testidx-glossaries}{xindy}{set up the
6046 \glshyperlink{glossariespackage} package to use \glshyperlink{xindy}
6047 as the indexing application}
6048 \tstidxnewstyopt{testidx-glossaries}{tex}{set up the
6049 \glshyperlink{glossariespackage} package to use \TeX\ to
6050 sort and collate the entries}
6051 \tstidxnewstyopt{testidx-glossaries}{bib2gls}{set up the
6052 \glshyperlink{glossariesextrapackage} package to use
6053 \glshyperlink{bib2gls} as the indexing application}
6054 \tstidxnewstyopt{testidx-glossaries}{noglsnumbers}{pass
6055 the \tstidxstyoptfmt{glsnumbers=false} option to the
6056 \glshyperlink{glossariespackage} package}
6057 \tstidxnewstyopt{testidx-glossaries}{glsnumbers}{pass
6058 the \tstidxstyoptfmt{glsnumbers=true} option to the
6059 \glshyperlink{glossariespackage} package}
6060 \tstidxnewstyopt{testidx-glossaries}{verbose}{write
6061 information about the test entries in the transcript file}
6062 \tstidxnewstyopt{testidx-glossaries}{noverbose}{don't write
6063 information about the test entries in the transcript file}
6064 \tstidxnewstyopt{testidx-glossaries}{desc}{add descriptions}

```

6065 to the dummy entries}

6066 `\tstidxnewstyopt{testidx-glossaries}{sanitize}{sanitize the sort value}`

6067 `\tstidxnewstyopt{testidx-glossaries}{nosanitize}{don't sanitize the`

6068 `sort value}`

6069 `\tstidxnewstyopt{testidxglossaries}{stripaccents}{in ASCII mode, strip accent`

6070 `commands from the sort value}`

6071 `\tstidxnewstyopt{testidxglossaries}{nostripaccents}{in ASCII mode, strip accent`

6072 `commands from the sort value}`

6073 `\tstidxnewstyopt{testidx}{hidemarks}{hide the marks showing`

6074 `where the indexing is occurring}`

6075 `\tstidxnewstyopt{testidx}{showmarks}{mark`

6076 `where the indexing is occurring}`

6077 `\tstidxnewstyopt{testidx}{notestencaps}{don't use the`

6078 `test encaps}`

6079 `\tstidxnewstyopt{testidx}{verbose}{show the index`

6080 `commands in the document text}`

6081 `\tstidxnewstyopt{testidx}{noverbose}{don't show the index`

6082 `commands in the document text}`

6083 `\tstidxnewstyopt{testidx}{digraphs}{use glyphs instead of`

6084 `the two-character digraphs for certain words}`

6085 `\tstidxnewstyopt{testidx}{german}{change the`

6086 `\glshyperlink{makeindex} quote character to allow the`

6087 `double-quote character to indicate an umlaut}`

6088 `\tstidxnewstyopt{testidx}{ngerman}{change the`

6089 `\glshyperlink{makeindex} quote character to allow the`

6090 `double-quote character to indicate an umlaut}`

6091 `\tstidxnewstyopt{testidx}{sanitize}{sanitize the sort value`

6092 `before passing it to the indexing command}`

6093 `\tstidxnewstyopt{testidx}{nosanitize}{don't sanitize the sort value`

6094 `before passing it to the indexing command}`

6095 `\tstidxnewstyopt{testidx}{stripaccents}{in ASCII mode, strip accent`

6096 `commands from the sort value}`

6097 `\tstidxnewstyopt{testidx}{nostripaccents}{in ASCII mode, strip accent`

6098 `commands from the sort value}`

6099 `\tstidxnewstyopt{testidx}{prefix}{insert a prefix before the sort`

6100 `value for certain symbols}`

6101 `\tstidxnewstyopt{testidx}{noprefix}{don't insert a prefix before the sort`

6102 `value for certain symbols}`

6103 `\tstidxnewstyopt{hyperref}{hidelinks}{don't use a visual effect to`

6104 `show the hyperlinks}`

6105 `\tstidxnewstyopt{fontenc}{T1}{set the font encoding to T1}`

#### Environments.

6106 `\tstidxnewenv{theindex}{environment used to display an index}`

6107 `\tstidxnewenv{align}{environment provided by the`

6108 `\glshyperlink{amsmathpackage} package to align equations}`

6109 `\tstidxnewenv{eqnarray}{environment provided by the \LaTeX\`

6110 `kernel to align equations}`

#### Applications.

6111 `\tstidxnewapp{bib2gls}`{an indexing application designed  
6112 to work with the `\glshyperlink{glossariesextrapackage}` package}  
6113 `\tstidxnewapp{makeindex}`{an indexing application}  
6114 `\tstidxnewapp{xindy}`{a highly-configurable indexing application with  
6115 localisation support}  
6116 `\tstidxnewapp{texdoc}`{an application for viewing documentation  
6117 installed in a `\TeX\` distribution}  
6118 `\tstidxnewapp{arara}`{an automation tool for building documents}  
6119 `\tstidxnewapp{Perl}`{a scripting language}  
6120 `\tstidxnewapp{makeglossaries}`{a Perl script provided with the  
6121 `\glshyperlink{glossariespackage}` package that automatically runs  
6122 either `\glshyperlink{makeindex}` or `\glshyperlink{xindy}`  
6123 according to the document settings}  
6124 `\tstidxnewapp{makeglossaries-lite}`{a light-weight Lua alternative to  
6125 `\glshyperlink{makeglossaries}`}  
6126 `\tstidxnewapp{Emacs}`{a text editor}  
6127 `\tstidxnewapp{Vi}`{a text editor}

#### Application options.

6128 `\tstidxnewappopt{xindy}{-L swedish}`{use the Swedish language module}  
6129 `\tstidxnewappopt{xindy}{-L danish}`{use the Danish language module}  
6130 `\tstidxnewappopt{xindy}{-L polish}`{use the Polish language module}  
6131 `\tstidxnewappopt{xindy}{-L icelandic}`{use the Icelandic language module}  
6132 `\tstidxnewappopt{xindy}{-L german-duden}`{use the German language  
6133 module with the `duden` setting}  
6134 `\tstidxnewappopt{xindy}{-L german-din5007}`{use the German language  
6135 module with the `din5007` setting}  
6136 `\tstidxnewappopt{xindy}{-M ord/letorder}`{use the letter ordering  
6137 module}  
6138 `\tstidxnewappopt{makeindex}{-g}`{use the German setting that  
6139 recognises the double-quote character as an umlaut command}  
6140 `\tstidxnewappopt{makeindex}{-l}`{use letter ordering}

#### Index markers.

6141 `\tstidxnewindexmarker{tstidxmarker}`{indicates where the indexing  
6142 command was used for a top-level (level~0) entry}  
6143 `\tstidxnewindexmarker{tstidxsubmarker}`{indicates where the indexing  
6144 command was used for a level~1 entry}  
6145 `\tstidxnewindexmarker{tstidxsubsubmarker}`{indicates where the indexing  
6146 command was used for a level~2 entry}  
6147 `\tstidxnewindexmarker{tstidxopenmarker}`{indicates where  
6148 the start of a range was indexed for a top-level (level~0) entry}  
6149 `\tstidxnewindexmarker{tstidxclosemarker}`{indicates where  
6150 the end of a range was indexed for a top-level (level~0) entry}  
6151 `\tstidxnewindexmarker{tstidxopensubmarker}`{indicates where  
6152 the start of a range was indexed for a level~1 entry}  
6153 `\tstidxnewindexmarker{tstidxclosesubmarker}`{indicates where  
6154 the end of a range was indexed for a level~1 entry}  
6155 `\tstidxnewindexmarker{tstidxopensubsubmarker}`{indicates where  
6156 the start of a range was indexed for a level~2 entry}

6157 `\tstidxnewindexmarker{tstidxclosesubsubmarker}`{indicates where  
6158 the end of a range was indexed for a level~2 entry}  
6159 `\tstidxnewindexmarker{tstidxseemarker}`{indicates where the indexing  
6160 command was used to cross-reference a top-level (level~0) entry}  
6161 `\tstidxnewindexmarker{tstidxsubseemarker}`{indicates where the indexing  
6162 command was used to cross-reference a level~1 entry}

#### Encaps.

6163 `\tstidxnewencapcsn{tstidxencapi}`{first test encap}  
6164 `\tstidxnewencapcsn{tstidxencapii}`{second test encap}  
6165 `\tstidxnewencapcsn{tstidxencapiii}`{third test encap}

#### Control sequences.

6166 `\tstidxnewwcs{index}`{write information to the external index file  
6167 that will be processed by an indexing application (defined by the  
6168 `\LaTeX\ kernel`)}  
6169  
6170 `\tstidxnewwcs{testidx}`{produce the dummy text (defined in the  
6171 `\glshyperlink{testidxpackage}` package)}  
6172  
6173 `\tstidxnewwcs{tstidxtoidx}`{switch back to the original definitions  
6174 provided by the base `\glshyperlink{testidxpackage}` package (defined  
6175 in the `\glshyperlink{testidxglossariespackage}` package)}  
6176  
6177 `\tstidxnewwcs{gls}`{reference a term defined by the  
6178 `\glshyperlink{glossariespackage}` package (displays text and performs  
6179 indexing)}  
6180  
6181 `\tstidxnewwcs{glspl}`{as `\glshyperlink{cs.gls}` but displays the  
6182 plural form}  
6183  
6184 `\tstidxnewwcs{glsadd}`{indexes a term defined by the  
6185 `\glshyperlink{glossariespackage}` package (but doesn't display any text)}  
6186  
6187 `\tstidxnewwcs{glssee}`{indexes a cross-referenced term or terms defined by the  
6188 `\glshyperlink{glossariespackage}` package (but doesn't display any text)}  
6189  
6190 `\tstidxnewwcs{glsxtrindexseealso}`{indexes a `\tstidxqt{see also}`  
6191 cross-referenced term or terms defined by the  
6192 `\glshyperlink{glossariesextrapackage}` package (but doesn't display any text)}  
6193  
6194 `\tstidxnewwcs{glshyperlink}`{displays the text associated with a  
6195 term (with a hyperlink if enabled) but doesn't perform  
6196 any indexing (defined by the `\glshyperlink{glossariespackage}` package)}  
6197  
6198 `\tstidxnewwcs{setglossarystyle}`{sets the glossary style  
6199 (defined by the `\glshyperlink{glossariespackage}` package)}  
6200  
6201 `\tstidxnewwcs{delimN}`{page delimiter used in location lists  
6202 (defined by the `\glshyperlink{glossariespackage}` package)}

6203  
6204 `\tstidxnewcs{delimR}`{page range delimiter used in location lists  
6205 (defined by the `\glshyperlink{glossariespackage}` package)}  
6206  
6207 `\tstidxnewcs{tstidxfootnote}`{produces a footnote  
6208 (defined by the `\glshyperlink{testidpackage}` package)}  
6209  
6210 `\tstidxnewcs{footnote}`{produces a footnote  
6211 (defined by the `\LaTeX\ kernel`)}  
6212  
6213 `\tstidxnewcs{tstidxtext}`{used to mark the sample text being indexed  
6214 (defined by the `\glshyperlink{testidpackage}` package)}  
6215  
6216 `\tstidxnewcs{textcolor}`{displays the given text in the given colour  
6217 (a colour package is required to enable this command)}  
6218  
6219 `\tstidxnewcs{glstreenamefmt}`{used to set the font for  
6220 the name field in the tree-like glossary styles}  
6221  
6222 `\tstidxnewcs{tstindex}`{used to index the sample text  
6223 for the base `\glshyperlink{testidpackage}` package (not for the  
6224 `\glshyperlink{testidglossariespackage}` package)}  
6225  
6226 `\tstidxnewcs{GlsAddXdyAttribute}`{adds a `\glshyperlink{xindy}`  
6227 attribute (provided by the `\glshyperlink{glossariespackage}` package)}  
6228  
6229 `\tstidxnewcs{IeC}`{used internally by the  
6230 `\glshyperlink{inputencpackage}`  
6231 package}  
6232  
6233 `\tstidxnewcs{tstidxindexmarkerprefix}`{prefix used in the  
6234 sort key for markers if the `\tstidxstyoptfmt{prefix}`  
6235 option is used (but not with the `\tstidxstyoptfmt{bib2gls}`  
6236 option)}  
6237  
6238 `\tstidxnewcs{tstidxindexmathsymprefix}`{prefix used in the  
6239 sort key for mathematical symbols if the `\tstidxstyoptfmt{prefix}`  
6240 option is used (but not with the `\tstidxstyoptfmt{bib2gls}`  
6241 option)}  
6242  
6243 `\tstidxnewcs{tstidxmakegloss}`{command used to load  
6244 the files containing the sample glossary definitions  
6245 and also use the appropriate command to initialise the indexing,  
6246 depending on the package options}

### Numbers.

6247 `\tstidxnewnumber{42}`{forty-two}  
6248 `\tstidxnewnumber{10}`{ten}  
6249 `\tstidxnewnumber{16}`{sixteen}  
6250 `\tstidxnewnumber{2}`{two}



```

6251 \tstidxnewnumber{100}{one hundred}

6252 %<<COMMENT
6253 % Encoding: UTF-8
6254 %COMMENT
6255
6256 @index{ll,
6257   name={ll},
6258   category={digraph},
6259   description={a \glshyperlink{digraph} used in
6260 a number of languages. In Welsh, LL is considered a separate letter
6261 from L and may be rendered as the ligature ll}
6262 }
6263
6264 @index{ij,
6265   name={ij},
6266   category={digraph},
6267   description={a \glshyperlink{digraph} used in Dutch that's sometimes considered
6268 a separate letter from I and may be rendered as the ligature IJ}
6269 }
6270
6271 @index{dz,
6272   name={dz},
6273   category={digraph},
6274   description={a \glshyperlink{digraph} used in
6275 a number of languages. In Hungarian, Dz is considered a separate letter
6276 from D and may be rendered as the ligature Dz}
6277 }
6278
6279 @index{llan,
6280   name={llan},
6281   category={word},
6282   description={commonly used placename element in Brittonic
6283 languages (such as Welsh) typically indicating parish church}
6284 }
6285
6286 @index{llama,
6287   name={llama},
6288   category={word},
6289   description={domesticate animal found in the Andes}
6290 }
6291
6292 @index{lijnbus,
6293   name={lijnbus},
6294   category={word},
6295   description={bus (Dutch)}
6296 }
6297
6298 @index{ijsvrij,
6299   name={ijsvrij},

```

```

6300 category={word},
6301 description={frost (Dutch)}
6302 }
6303
6304 @index{dzwon,
6305   name={dzwon},
6306   category={word},
6307   description={bell (Polish)}
6308 }
6309
6310 @index{dzeta,
6311   name={dzéta},
6312   category={word},
6313   description={the Greek letter zeta (Hungarian)}
6314 }

6315 %<<COMMENT
6316 % Encoding: ASCII
6317 %COMMENT
6318
6319 @symbol{tstidxmarker,
6320   name={\protect\tstidxmarker\space(\protect\tstidxcsfmt{tstidxmarker})},
6321   category={indexmarker},
6322   description={indicates where the indexing command was used for a
6323 top-level (level~0) entry}
6324 }
6325
6326 @symbol{tstidxsubmarker,
6327   name={\protect\tstidxsubmarker\space(\protect\tstidxcsfmt{tstidxsubmarker})},
6328   category={indexmarker},
6329   description={indicates where the indexing
6330 command was used for a level~1 entry}
6331 }
6332
6333 @symbol{tstidxsubsubmarker,
6334   name={\protect\tstidxsubsubmarker\space(\protect\tstidxcsfmt{tstidxsubsubmarker})},
6335   category={indexmarker},
6336   description={indicates where the indexing
6337 command was used for a level~2 entry}
6338 }
6339
6340 @symbol{tstidxopenmarker,
6341   name={\protect\tstidxopenmarker\space(\protect\tstidxcsfmt{tstidxopenmarker})},
6342   category={indexmarker},
6343   description={indicates where
6344 the start of a range was indexed for a top-level (level~0) entry}
6345 }
6346
6347 @symbol{tstidxclosemarker,
6348   name={\protect\tstidxclosemarker\space(\protect\tstidxcsfmt{tstidxclosemarker})},

```

```

6349 category={indexmarker},
6350 description={indicates where
6351 the end of a range was indexed for a top-level (level~0) entry}
6352 }
6353
6354 @symbol{tstidxopensubmarker,
6355 name={\protect\tstidxopensubmarker\space(\protect\tstidxcsfmt{tstidxopensubmarker}},
6356 category={indexmarker},
6357 description={indicates where
6358 the start of a range was indexed for a level~1 entry}
6359 }
6360
6361 @symbol{tstidxclosesubmarker,
6362 name={\protect\tstidxclosesubmarker\space(\protect\tstidxcsfmt{tstidxclosesubmarker}},
6363 category={indexmarker},
6364 description={indicates where
6365 the end of a range was indexed for a level~1 entry}
6366 }
6367
6368 @symbol{tstidxopensubsubmarker,
6369 name={\protect\tstidxopensubsubmarker\space(\protect\tstidxcsfmt{tstidxopensubsubmarker}},
6370 category={indexmarker},
6371 description={indicates where
6372 the start of a range was indexed for a level~2 entry}
6373 }
6374
6375 @symbol{tstidxclosesubsubmarker,
6376 name={\protect\tstidxclosesubsubmarker\space(\protect\tstidxcsfmt{tstidxclosesubsubmarker}},
6377 category={indexmarker},
6378 description={indicates where
6379 the end of a range was indexed for a level~2 entry}
6380 }
6381
6382 @symbol{tstidxseemarker,
6383 name={\protect\tstidxseemarker\space(\protect\tstidxcsfmt{tstidxseemarker})},
6384 category={indexmarker},
6385 description={indicates where the indexing
6386 command was used to cross-reference a top-level (level~0) entry}
6387 }
6388
6389 @symbol{tstidxsubseemarker,
6390 name={\protect\tstidxsubseemarker\space(\protect\tstidxcsfmt{tstidxsubseemarker})},
6391 category={indexmarker},
6392 description={indicates where the indexing
6393 command was used to cross-reference a level~1 entry}
6394 }
6395
6396
6397 %<<COMMENT

```

```

6398 % Encoding: ASCII
6399 %COMMENT
6400
6401 @symbol{alpha,
6402   name={\alpha},
6403   text={\alpha},
6404   category={mathsymbol},
6405   description={Greek letter alpha}
6406 }
6407
6408 @symbol{beta,
6409   name={\beta},
6410   text={\beta},
6411   category={mathsymbol},
6412   description={Greek letter beta}
6413 }
6414
6415 @symbol{gamma,
6416   name={\gamma},
6417   text={\gamma},
6418   category={mathsymbol},
6419   description={Greek letter gamma}
6420 }
6421
6422 @symbol{sum,
6423   name={\sum},
6424   text={\sum},
6425   category={mathsymbol},
6426   description={summation}
6427 }
6428
6429 @symbol{partial,
6430   name={\partial},
6431   text={\partial},
6432   category={mathsymbol},
6433   description={partial derivative}
6434 }
6435
6436 @symbol{spinderiv,
6437   name={\eth},
6438   text={\eth},
6439   category={mathsymbol},
6440   description={spin-weighted partial derivative}
6441 }
6442
6443 %<<COMMENT
6444 % Encoding: UTF-8
6445 %COMMENT
6446

```

```

6447 @index{ll,
6448   name={ll},
6449   category={digraph},
6450   description={a \glshyperlink{digraph} used in
6451 a number of languages. In Welsh, LL is considered a separate letter
6452 from L and may be rendered as a ligature}
6453 }
6454
6455 @index{ij,
6456   name={ij},
6457   category={digraph},
6458   description={a \glshyperlink{digraph} used in Dutch that's sometimes considered
6459 a separate letter from I and may be rendered as a ligature}
6460 }
6461
6462 @index{dz,
6463   name={dz},
6464   category={digraph},
6465   description={a \glshyperlink{digraph} used in
6466 a number of languages. In Hungarian, Dz is considered a separate
6467 letter
6468 from D and may be rendered as a ligature}
6469 }
6470
6471 @index{llan,
6472   name={llan},
6473   category={word},
6474   description={commonly used placename element in Brittonic
6475 languages (such as Welsh) typically indicating parish church}
6476 }
6477
6478 @index{llama,
6479   name={llama},
6480   category={word},
6481   description={domesticate animal found in the Andes}
6482 }
6483
6484 @index{lijnbus,
6485   name={lijnbus},
6486   category={word},
6487   description={bus (Dutch)}
6488 }
6489
6490 @index{ijsvrij,
6491   name={ijsvrij},
6492   category={word},
6493   description={frost (Dutch)}
6494 }
6495

```

```

6496 @index{dzwon,
6497   name={dzwon},
6498   category={word},
6499   description={bell (Polish)}
6500 }
6501
6502 @index{dzeta,
6503   name={dzéta},
6504   category={word},
6505   description={the Greek letter zeta (Hungarian)}
6506 }
6507
6508 %<<COMMENT
6509 % Encoding: ASCII
6510 %COMMENT
6511
6512 @index{ll,
6513   name={ll},
6514   category={digraph},
6515   description={a \glshyperlink{digraph} used in
6516 a number of languages. In Welsh, LL is considered a separate letter
6517 from L and may be rendered as a ligature}
6518 }
6519
6520 @index{ij,
6521   name={ij},
6522   category={digraph},
6523   description={a \glshyperlink{digraph} used in Dutch that's sometimes considered
6524 a separate letter from I and may be rendered as a ligature}
6525 }
6526
6527 @index{dz,
6528   name={dz},
6529   category={digraph},
6530   description={a \glshyperlink{digraph} used in
6531 a number of languages. In Hungarian, Dz is considered a separate
6532 letter
6533 from D and may be rendered as a ligature}
6534 }
6535
6536 @index{llan,
6537   name={llan},
6538   category={word},
6539   description={commonly used placename element in Brittonic
6540 languages (such as Welsh) typically indicating parish church}
6541 }
6542
6543 @index{llama,
6544   name={llama},

```

```

6545 category={word},
6546 description={domesticate animal found in the Andes}
6547 }
6548
6549 @index{lijnbus,
6550 name={lijnbus},
6551 category={word},
6552 description={bus (Dutch)}
6553 }
6554
6555 @index{ijsvrij,
6556 name={ijsvrij},
6557 category={word},
6558 description={frost (Dutch)}
6559 }
6560
6561 @index{dzwon,
6562 name={dzwon},
6563 category={word},
6564 description={bell (Polish)}
6565 }
6566
6567 @index{dzeta,
6568 name={dz\'eta},
6569 category={word},
6570 description={the Greek letter zeta (Hungarian)}
6571 }
6572
6573
6574 %<<COMMENT
6575 % Encoding: ASCII
6576 %COMMENT
6577
6578 @number{42,
6579 name={42},
6580 category={number},
6581 description={forty-two}
6582 }
6583
6584 @number{10,
6585 name={10},
6586 category={number},
6587 description={ten}
6588 }
6589
6590 @number{16,
6591 name={16},
6592 category={number},
6593 description={sixteen}

```

```

6594 }
6595
6596 @number{2,
6597   name={2},
6598   category={number},
6599   description={two}
6600 }
6601
6602 @number{100,
6603   name={100},
6604   category={number},
6605   description={one hundred}
6606 }
6607
6608
6609 %<<COMMENT
6610 % Encoding: ASCII
6611 %COMMENT
6612
6613 @index{dzsoker,
6614   name={dzs\'oker},
6615   category={word},
6616   description={joker (Hungarian)}
6617 }
6618
6619 @index{czesc,
6620   name={cze\'s\'c},
6621   category={word},
6622   description={hello (Polish)}
6623 }
6624
6625 @index{elite,
6626   name={{\'e}lite},
6627   category={word},
6628   description={group of people regarded as
6629 the best of a particular society or organisation}
6630 }
6631
6632 @index{aesthetic,
6633   name={\ae sthetic},
6634   category={word},
6635   description={concerning beauty}
6636 }
6637
6638 @index{oesophagus,
6639   name={\oe sophagus},
6640   category={word},
6641   description={part of the alimentary canal}
6642 }

```



```

6643
6644 @index{blase,
6645   name={blas\ 'e},
6646   category={word},
6647   description={unimpressed or indifferent due to familiarity}
6648 }
6649
6650 @index{protege,
6651   name={prot\ 'eg\ 'e},
6652   category={word},
6653   description={person guided by an older more experienced person}
6654 }
6655
6656 @index{clientele,
6657   name={client\ `ele},
6658   category={word},
6659   description={all the clients of a particular business}
6660 }
6661
6662 @index{resumee,
6663   name={r\ 'esum\ 'e},
6664   category={word},
6665   description={summary of something or curriculum vitae}
6666 }
6667
6668 @index{soiree,
6669   name={soir\ 'ee},
6670   category={word},
6671   description={an evening social gathering involving conversation or music}
6672 }
6673
6674 @index{phoenix,
6675   name={ph\oe nix},
6676   category={word},
6677   description={mythical bird that periodically burned itself and was reborn from th
6678 }
6679
6680 @index{decor,
6681   name={d\ 'ecor},
6682   category={word},
6683   description={the furnishings and decorations of a room}
6684 }
6685
6686 @index{faerie,
6687   name={f\ae rie},
6688   category={word},
6689   description={fairyland}
6690 }
6691

```

6692 @index{facade,  
6693 name={fa\c{c}ade},  
6694 category={word},  
6695 description={the front face of a building}  
6696 }  
6697  
6698 @index{aethereal,  
6699 name={\ae thereal},  
6700 category={word},  
6701 description={light, airy or tenuous}  
6702 }  
6703  
6704 @index{debutante,  
6705 name={d\'ebutante},  
6706 category={word},  
6707 description={a young upper-class woman making her first appearance in society}  
6708 }  
6709  
6710 @index{naive,  
6711 name={na\"{\i}ve},  
6712 category={word},  
6713 description={lacking experience or wisdom}  
6714 }  
6715  
6716 @index{foetid,  
6717 name={f\oe tid},  
6718 category={word},  
6719 description={smelling very unpleasant}  
6720 }  
6721  
6722 @index{cliche,  
6723 name={clich\'e},  
6724 category={word},  
6725 description={overused phrase or idea}  
6726 }  
6727  
6728 @index{deshabille,  
6729 name={d\'eshabill\'e},  
6730 category={word},  
6731 description={the state of being only partially clothed}  
6732 }  
6733  
6734 @index{negligee,  
6735 name={n\'eglig\'ee},  
6736 category={word},  
6737 description={a woman's very thin dressing gown}  
6738 }  
6739  
6740 @index{cafe,

```

6741 name={caf\ 'e},
6742 category={word},
6743 description={small restaurant that sells light meals}
6744 }
6745
6746 @index{anaemic,
6747 name={an\ ae mic},
6748 category={word},
6749 description={suffering from anaemia}
6750 }
6751
6752 @index{thornletter,
6753 name={\ th},
6754 category={word},
6755 see={thorn},
6756 description={thorn}
6757 }
6758
6759 @index{thorn,
6760 name={thorn (\ th)},
6761 category={word},
6762 description={Old English and Icelandic runic letter. In English, eventually repla
6763 digraph \tstidxqt{th}}
6764 }
6765
6766 @index{ethletter,
6767 name={\ dh},
6768 category={word},
6769 see={ethletter},
6770 description={eth}
6771 }
6772
6773 @index{eth,
6774 name={eth (\ dh)},
6775 category={word},
6776 description={Old English letter eventually
6777 superseded by the digraph \tstidxqt{th}, but still in use in
6778 some other languages}
6779 }
6780
6781 @index{Ostergotland,
6782 name={{\ "O}sterg\ "otland},
6783 category={place},
6784 description={a county in Sweden}
6785 }
6786
6787 @index{places.Ostergotland,
6788 name={{\ "O}sterg\ "otland},
6789 parent={places},

```

```

6790 category={place},
6791 description={a county in Sweden}
6792 }
6793
6794 @index{Angelholm,
6795   name={{\ "A}ngelholm},
6796   category={place},
6797   description={a place in Sweden}
6798 }
6799
6800 @index{places.Angelholm,
6801   name={{\ "A}ngelholm},
6802   parent={places},
6803   category={place},
6804   description={a place in Sweden}
6805 }
6806
6807 @index{Oresund,
6808   name={\O resund},
6809   category={place},
6810   description={a strait which separates Denmark and Sweden}
6811 }
6812
6813 @index{places.Oresund,
6814   name={\O resund},
6815   parent={places},
6816   category={place},
6817   description={a strait which separates Denmark and Sweden}
6818 }
6819
6820 @index{Tarnby,
6821   name={T\r{a}rnby},
6822   category={place},
6823   description={a town in Denmark}
6824 }
6825
6826 @index{places.Tarnby,
6827   name={T\r{a}rnby},
6828   parent={places},
6829   category={place},
6830   description={a town in Denmark}
6831 }
6832
6833 @index{Rodovre,
6834   name={R\o dovre},
6835   category={place},
6836   description={a Danish town}
6837 }
6838

```

```

6839 @index{places.Rodovre,
6840   name={R\o dovre},
6841   parent={places},
6842   category={place},
6843   description={a Danish town}
6844 }
6845
6846 @index{Naestved,
6847   name={N\ae stved},
6848   category={place},
6849   description={a Danish town on the island of Zealand}
6850 }
6851
6852 @index{places.Naestved,
6853   name={N\ae stved},
6854   parent={places},
6855   category={place},
6856   description={a Danish town on the island of Zealand}
6857 }
6858
6859 @index{OlstykkeStenlose,
6860   name={\O lstykke-Stenl\o se},
6861   category={place},
6862   description={a Danish city in North Zealand}
6863 }
6864
6865 @index{places.OlstykkeStenlose,
6866   name={\O lstykke-Stenl\o se},
6867   parent={places},
6868   category={place},
6869   description={a Danish city in North Zealand}
6870 }
6871
6872 @index{Asslar,
6873   name={A\ss lar},
6874   category={place},
6875   description={German town}
6876 }
6877
6878 @index{places.Asslar,
6879   name={A\ss lar},
6880   parent={places},
6881   category={place},
6882   description={German town}
6883 }
6884
6885 @index{BadGottleubaBerggiesshubel,
6886   name={Bad Gottleuba-Berggie\ss h\"ubel},
6887   category={place},

```

```

6888 description={a town in the Free State of Saxony, Germany}
6889 }
6890
6891 @index{places.BadGottleubaBerggiesshubel,
6892 name={Bad Gottleuba-Berggie\ss h\"ubel},
6893 parent={places},
6894 category={place},
6895 description={a town in the Free State of Saxony, Germany}
6896 }
6897
6898 @index{Lodz,
6899 name={\L\'od\'z},
6900 category={place},
6901 description={Polish city}
6902 }
6903
6904 @index{places.Lodz,
6905 name={\L\'od\'z},
6906 parent={places},
6907 category={place},
6908 description={Polish city}
6909 }
6910
6911 @index{Swietokrzyskie,
6912 name={{\'S}wi\k{e}tokrzyskie},
6913 category={place},
6914 description={Polish province}
6915 }
6916
6917 @index{places.Swietokrzyskie,
6918 name={{\'S}wi\k{e}tokrzyskie},
6919 parent={places},
6920 category={place},
6921 description={Polish province}
6922 }
6923
6924 @index{Zory,
6925 name={{\Z}ory},
6926 category={place},
6927 description={Polish town and city county}
6928 }
6929
6930 @index{places.Zory,
6931 name={{\Z}ory},
6932 parent={places},
6933 category={place},
6934 description={Polish town and city county}
6935 }
6936

```

```

6937 @index{Zelechow,
6938   name={{\Z}elech\ow},
6939   category={place},
6940   description={Polish town}
6941 }
6942
6943 @index{places.Zelechow,
6944   name={{\Z}elech\ow},
6945   parent={places},
6946   category={place},
6947   description={Polish town}
6948 }
6949
6950 @index{Lobez,
6951   name={\L obez},
6952   category={place},
6953   description={Polish town}
6954 }
6955
6956 @index{places.Lobez,
6957   name={\L obez},
6958   parent={places},
6959   category={place},
6960   description={Polish town}
6961 }
6962
6963 @index{Glogow,
6964   name={G\l og\ow},
6965   category={place},
6966   description={Polish town}
6967 }
6968
6969 @index{places.Glogow,
6970   name={G\l og\ow},
6971   parent={places},
6972   category={place},
6973   description={Polish town}
6974 }
6975
6976 @index{Cmielow,
6977   name={{\C}miel\ow},
6978   category={place},
6979   description={Polish town}
6980 }
6981
6982 @index{places.Cmielow,
6983   name={{\C}miel\ow},
6984   parent={places},
6985   category={place},

```

```

6986 description={Polish town}
6987 }
6988
6989 @index{Scinawa,
6990 name={{\'S}cinawa},
6991 category={place},
6992 description={Polish town}
6993 }
6994
6995 @index{places.Scinawa,
6996 name={{\'S}cinawa},
6997 parent={places},
6998 category={place},
6999 description={Polish town}
7000 }
7001
7002 @index{Swidnica,
7003 name={{\'S}widnica},
7004 category={place},
7005 description={Polish town}
7006 }
7007
7008 @index{places.Swidnica,
7009 name={{\'S}widnica},
7010 parent={places},
7011 category={place},
7012 description={Polish town}
7013 }
7014
7015 @index{Olvesvatn,
7016 name={{\'O}lvesvatn},
7017 category={place},
7018 description={Icelandic lake}
7019 }
7020
7021 @index{places.Olvesvatn,
7022 name={{\'O}lvesvatn},
7023 parent={places},
7024 category={place},
7025 description={Icelandic lake}
7026 }
7027
7028 @index{Ulfsvatn,
7029 name={{\'U}lfsvatn},
7030 category={place},
7031 description={Icelandic lake}
7032 }
7033
7034 @index{places.Ulfsvatn,

```



```

7035 name={{\'U}lfsvatn},
7036 parent={places},
7037 category={place},
7038 description={Icelandic lake}
7039 }
7040
7041 @index{Anavatn,
7042 name={{\'A}navatn},
7043 category={place},
7044 description={Icelandic lake}
7045 }
7046
7047 @index{places.Anavatn,
7048 name={{\'A}navatn},
7049 parent={places},
7050 category={place},
7051 description={Icelandic lake}
7052 }
7053
7054 @index{Masvatn,
7055 name={M\'asvatn},
7056 category={place},
7057 description={Icelandic lake}
7058 }
7059
7060 @index{places.Masvatn,
7061 name={M\'asvatn},
7062 parent={places},
7063 category={place},
7064 description={Icelandic lake}
7065 }
7066
7067 @index{Thrihyrningsvatn,
7068 name={\TH r\'{\i}hyrningsvatn},
7069 category={place},
7070 description={Icelandic lake}
7071 }
7072
7073 @index{places.Thrihyrningsvatn,
7074 name={\TH r\'{\i}hyrningsvatn},
7075 parent={places},
7076 category={place},
7077 description={Icelandic lake}
7078 }
7079
7080 @index{Sigríðharstadhavatn,
7081 name={Sigr\'{\i}\dh arsta\dh avatn},
7082 category={place},
7083 description={Icelandic lagoon}

```

7084 }  
7085  
7086 @index{places.Sigríðharstadhvatn,  
7087 name={Sigr\{'\i}\dh arsta\dh avatn},  
7088 parent={places},  
7089 category={place},  
7090 description={Icelandic lagoon}  
7091 }  
7092  
7093 @index{Graenavatn,  
7094 name={Gr\ae navatn},  
7095 category={place},  
7096 description={Icelandic lake}  
7097 }  
7098  
7099 @index{places.Graenavatn,  
7100 name={Gr\ae navatn},  
7101 parent={places},  
7102 category={place},  
7103 description={Icelandic lake}  
7104 }  
7105  
7106 @index{Arneslon,  
7107 name={{\ 'A}rnesl\ 'on},  
7108 category={place},  
7109 description={Icelandic lake}  
7110 }  
7111  
7112 @index{places.Arneslon,  
7113 name={{\ 'A}rnesl\ 'on},  
7114 parent={places},  
7115 category={place},  
7116 description={Icelandic lake}  
7117 }  
7118  
7119 @index{Isholsvatn,  
7120 name={{\ 'I}sh\ 'olsvatn},  
7121 category={place},  
7122 description={Icelandic lake}  
7123 }  
7124  
7125 @index{places.Isholsvatn,  
7126 name={{\ 'I}sh\ 'olsvatn},  
7127 parent={places},  
7128 category={place},  
7129 description={Icelandic lake}  
7130 }  
7131  
7132 @index{attachecase,

```

7133 name={attach\'e case},
7134 category={phrase},
7135 description={small, flat briefcase for carrying documents}
7136 }
7137
7138 @index{piedaterre,
7139 name={pied-\'a-terre},
7140 category={phrase},
7141 description={small flat or house kept for occasional use}
7142 }
7143
7144 @index{bergerehat,
7145 name={berg\'ere hat},
7146 category={phrase},
7147 description={a type of wide-brimmed straw hat}
7148 }
7149
7150 @index{AndersJonasAngstrom,
7151 name={\AA ngstr\'om, Anders Jonas},
7152 text={Anders Jonas \AA ngstr\'om},
7153 category={person},
7154 description={Swedish physicist}
7155 }
7156
7157 @index{people.AndersJonasAngstrom,
7158 name={\AA ngstr\'om, Anders Jonas},
7159 text={Anders Jonas \AA ngstr\'om},
7160 parent={people},
7161 category={person},
7162 description={Swedish physicist}
7163 }

7164 %<<COMMENT
7165 % Encoding: UTF-8
7166 %COMMENT
7167
7168 @index{dzsoker,
7169 name={dzsóker},
7170 category={word},
7171 description={joker (Hungarian)}
7172 }
7173
7174 @index{czesc,
7175 name={cześć},
7176 category={word},
7177 description={hello (Polish)}
7178 }
7179
7180 @index{elite,
7181 name={élite},

```

7182 category={word},  
7183 description={group of people regarded as  
7184 the best of a particular society or organisation}  
7185 }  
7186  
7187 @index{aesthetic,  
7188 name={æsthetic},  
7189 category={word},  
7190 description={concerning beauty}  
7191 }  
7192  
7193 @index{oesophagus,  
7194 name={œsophagus},  
7195 category={word},  
7196 description={part of the alimentary canal}  
7197 }  
7198  
7199 @index{blase,  
7200 name={blasé},  
7201 category={word},  
7202 description={unimpressed or indifferent due to familiarity}  
7203 }  
7204  
7205 @index{protege,  
7206 name={protégé},  
7207 category={word},  
7208 description={person guided by an older more experienced person}  
7209 }  
7210  
7211 @index{clientele,  
7212 name={clientèle},  
7213 category={word},  
7214 description={all the clients of a particular business}  
7215 }  
7216  
7217 @index{resumee,  
7218 name={résumé},  
7219 category={word},  
7220 description={summary of something or curriculum vitae}  
7221 }  
7222  
7223 @index{soiree,  
7224 name={soirée},  
7225 category={word},  
7226 description={an evening social gathering involving conversation or music}  
7227 }  
7228  
7229 @index{phoenix,  
7230 name={phœnix},

7231 category={word},  
7232 description={mythical bird that periodically burned itself and was reborn from th  
7233 }  
7234  
7235 @index{decor,  
7236 name={décor},  
7237 category={word},  
7238 description={the furnishings and decorations of a room}  
7239 }  
7240  
7241 @index{faerie,  
7242 name={færie},  
7243 category={word},  
7244 description={fairyland}  
7245 }  
7246  
7247 @index{facade,  
7248 name={façade},  
7249 category={word},  
7250 description={the front face of a building}  
7251 }  
7252  
7253 @index{aethereal,  
7254 name={æthereal},  
7255 category={word},  
7256 description={light, airy or tenuous}  
7257 }  
7258  
7259 @index{debutante,  
7260 name={débutante},  
7261 category={word},  
7262 description={a young upper-class woman making her first appearance in society}  
7263 }  
7264  
7265 @index{naive,  
7266 name={naïve},  
7267 category={word},  
7268 description={lacking experience or wisdom}  
7269 }  
7270  
7271 @index{foetid,  
7272 name={fœtid},  
7273 category={word},  
7274 description={smelling very unpleasant}  
7275 }  
7276  
7277 @index{cliche,  
7278 name={cliché},  
7279 category={word},

7280 description={overused phrase or idea}  
7281 }  
7282  
7283 @index{deshabille,  
7284 name={d shabill },  
7285 category={word},  
7286 description={the state of being only partially clothed}  
7287 }  
7288  
7289 @index{negligee,  
7290 name={n glig e},  
7291 category={word},  
7292 description={a woman's very thin dressing gown}  
7293 }  
7294  
7295 @index{cafe,  
7296 name={caf },  
7297 category={word},  
7298 description={small restaurant that sells light meals}  
7299 }  
7300  
7301 @index{anaemic,  
7302 name={an mic},  
7303 category={word},  
7304 description={suffering from anaemia}  
7305 }  
7306  
7307 @index{thornletter,  
7308 name={p},  
7309 category={word},  
7310 see={thorn},  
7311 description={thorn}  
7312 }  
7313  
7314 @index{thorn,  
7315 name={thorn (p)},  
7316 category={word},  
7317 description={Old English and Icelandic runic letter. In English, eventually repla  
7318 digraph \tstidxqt{th}}  
7319 }  
7320  
7321 @index{ethletter,  
7322 name={ },  
7323 category={word},  
7324 see={eth},  
7325 description={eth}  
7326 }  
7327  
7328 @index{eth,

7329 name={eth (ð)},  
7330 category={word},  
7331 description={Old English letter eventually  
7332 superseded by the digraph \tstidxqt{th}, but still in use in  
7333 some other languages}  
7334 }  
7335  
7336 @index{Ostergotland,  
7337 name={Östergötland},  
7338 category={place},  
7339 description={a county in Sweden}  
7340 }  
7341  
7342 @index{places.Ostergotland,  
7343 name={Östergötland},  
7344 parent={places},  
7345 category={place},  
7346 description={a county in Sweden}  
7347 }  
7348  
7349 @index{Angelholm,  
7350 name={Ängelholm},  
7351 category={place},  
7352 description={a place in Sweden}  
7353 }  
7354  
7355 @index{places.Angelholm,  
7356 name={Ängelholm},  
7357 parent={places},  
7358 category={place},  
7359 description={a place in Sweden}  
7360 }  
7361  
7362 @index{Oresund,  
7363 name={Øresund},  
7364 category={place},  
7365 description={a strait which separates Denmark and Sweden}  
7366 }  
7367  
7368 @index{places.Oresund,  
7369 name={Øresund},  
7370 parent={places},  
7371 category={place},  
7372 description={a strait which separates Denmark and Sweden}  
7373 }  
7374  
7375 @index{Tarnby,  
7376 name={Tårnby},  
7377 category={place},

```

7378  description={a town in Denmark}
7379 }
7380
7381 @index{places.Tårnby,
7382  name={Tårnby},
7383  parent={places},
7384  category={place},
7385  description={a town in Denmark}
7386 }
7387
7388 @index{Rodovre,
7389  name={Rødovre},
7390  category={place},
7391  description={a Danish town}
7392 }
7393
7394 @index{places.Rodovre,
7395  name={Rødovre},
7396  parent={places},
7397  category={place},
7398  description={a Danish town}
7399 }
7400
7401 @index{Naestved,
7402  name={Næstved},
7403  category={place},
7404  description={a Danish town on the island of Zealand}
7405 }
7406
7407 @index{places.Naestved,
7408  name={Næstved},
7409  parent={places},
7410  category={place},
7411  description={a Danish town on the island of Zealand}
7412 }
7413
7414 @index{OlstykkeStenlose,
7415  name={Ølstykke-Stenløse},
7416  category={place},
7417  description={a Danish city in North Zealand}
7418 }
7419
7420 @index{places.OlstykkeStenlose,
7421  name={Ølstykke-Stenløse},
7422  parent={places},
7423  category={place},
7424  description={a Danish city in North Zealand}
7425 }
7426

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```

7427 @index{Asslar,
7428   name={Aßlar},
7429   category={place},
7430   description={German town}
7431 }
7432
7433 @index{places.Asslar,
7434   name={Aßlar},
7435   parent={places},
7436   category={place},
7437   description={German town}
7438 }
7439
7440 @index{BadGottleubaBerggiesshubel,
7441   name={Bad Gottleuba-Berggießhübel},
7442   category={place},
7443   description={a town in the Free State of Saxony, Germany}
7444 }
7445
7446 @index{places.BadGottleubaBerggiesshubel,
7447   name={Bad Gottleuba-Berggießhübel},
7448   parent={places},
7449   category={place},
7450   description={a town in the Free State of Saxony, Germany}
7451 }
7452
7453 @index{Lodz,
7454   name={Łódź},
7455   category={place},
7456   description={Polish city}
7457 }
7458
7459 @index{places.Lodz,
7460   name={Łódź},
7461   parent={places},
7462   category={place},
7463   description={Polish city}
7464 }
7465
7466 @index{Swietokrzyskie,
7467   name={Świętokrzyskie},
7468   category={place},
7469   description={Polish province}
7470 }
7471
7472 @index{places.Swietokrzyskie,
7473   name={Świętokrzyskie},
7474   parent={places},
7475   category={place},

```

```

7476 description={Polish province}
7477 }
7478
7479 @index{Zory,
7480 name={Żory},
7481 category={place},
7482 description={Polish town and city county}
7483 }
7484
7485 @index{places.Zory,
7486 name={Żory},
7487 parent={places},
7488 category={place},
7489 description={Polish town and city county}
7490 }
7491
7492 @index{Zelechow,
7493 name={Żelechów},
7494 category={place},
7495 description={Polish town}
7496 }
7497
7498 @index{places.Zelechow,
7499 name={Żelechów},
7500 parent={places},
7501 category={place},
7502 description={Polish town}
7503 }
7504
7505 @index{Lobez,
7506 name={Łobez},
7507 category={place},
7508 description={Polish town}
7509 }
7510
7511 @index{places.Lobez,
7512 name={Łobez},
7513 parent={places},
7514 category={place},
7515 description={Polish town}
7516 }
7517
7518 @index{Glogow,
7519 name={Głogów},
7520 category={place},
7521 description={Polish town}
7522 }
7523
7524 @index{places.Glogow,

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```

7525 name={Głogów},
7526 parent={places},
7527 category={place},
7528 description={Polish town}
7529 }
7530
7531 @index{Cmielow,
7532 name={Ćmielów},
7533 category={place},
7534 description={Polish town}
7535 }
7536
7537 @index{places.Cmielow,
7538 name={Ćmielów},
7539 parent={places},
7540 category={place},
7541 description={Polish town}
7542 }
7543
7544 @index{Scinawa,
7545 name={Ścinawa},
7546 category={place},
7547 description={Polish town}
7548 }
7549
7550 @index{places.Scinawa,
7551 name={Ścinawa},
7552 parent={places},
7553 category={place},
7554 description={Polish town}
7555 }
7556
7557 @index{Swidnica,
7558 name={Świdnica},
7559 category={place},
7560 description={Polish town}
7561 }
7562
7563 @index{places.Swidnica,
7564 name={Świdnica},
7565 parent={places},
7566 category={place},
7567 description={Polish town}
7568 }
7569
7570 @index{Olvesvatn,
7571 name={Ölvesvatn},
7572 category={place},
7573 description={Icelandic lake}

```

```

7574 }
7575
7576 @index{places.Olvesvatn,
7577   name={Ölvesvatn},
7578   parent={places},
7579   category={place},
7580   description={Icelandic lake}
7581 }
7582
7583 @index{Ulfsvatn,
7584   name={Úlfsvatn},
7585   category={place},
7586   description={Icelandic lake}
7587 }
7588
7589 @index{places.Ulfsvatn,
7590   name={Úlfsvatn},
7591   parent={places},
7592   category={place},
7593   description={Icelandic lake}
7594 }
7595
7596 @index{Anavatn,
7597   name={Ánavatn},
7598   category={place},
7599   description={Icelandic lake}
7600 }
7601
7602 @index{places.Anavatn,
7603   name={Ánavatn},
7604   parent={places},
7605   category={place},
7606   description={Icelandic lake}
7607 }
7608
7609 @index{Masvatn,
7610   name={Másvatn},
7611   category={place},
7612   description={Icelandic lake}
7613 }
7614
7615 @index{places.Masvatn,
7616   name={Másvatn},
7617   parent={places},
7618   category={place},
7619   description={Icelandic lake}
7620 }
7621
7622 @index{Thrihyrningsvatn,

```

```

7623 name={Þríhyrningsvatn},
7624 category={place},
7625 description={Icelandic lake}
7626 }
7627
7628 @index{places.Thrihyrningsvatn,
7629 name={Þríhyrningsvatn},
7630 parent={places},
7631 category={place},
7632 description={Icelandic lake}
7633 }
7634
7635 @index{Sigridharstadhavatn,
7636 name={Sigríðarstaðavatn},
7637 category={place},
7638 description={Icelandic lagoon}
7639 }
7640
7641 @index{places.Sigridharstadhavatn,
7642 name={Sigríðarstaðavatn},
7643 parent={places},
7644 category={place},
7645 description={Icelandic lagoon}
7646 }
7647
7648 @index{Graenavatn,
7649 name={Grænavatn},
7650 category={place},
7651 description={Icelandic lake}
7652 }
7653
7654 @index{places.Graenavatn,
7655 name={Grænavatn},
7656 parent={places},
7657 category={place},
7658 description={Icelandic lake}
7659 }
7660
7661 @index{Arneslon,
7662 name={Árneslón},
7663 category={place},
7664 description={Icelandic lake}
7665 }
7666
7667 @index{places.Arneslon,
7668 name={Árneslón},
7669 parent={places},
7670 category={place},
7671 description={Icelandic lake}

```

```

7672 }
7673
7674 @index{Isholsvatn,
7675   name={Íshólsvatn},
7676   category={place},
7677   description={Icelandic lake}
7678 }
7679
7680 @index{places.Isholsvatn,
7681   name={Íshólsvatn},
7682   parent={places},
7683   category={place},
7684   description={Icelandic lake}
7685 }
7686
7687 @index{attache-case,
7688   name={attaché case},
7689   category={phrase},
7690   description={small, flat briefcase for carrying documents}
7691 }
7692
7693 @index{piedaterre,
7694   name={pied-à-terre},
7695   category={phrase},
7696   description={small flat or house kept for occasional use}
7697 }
7698
7699 @index{bergerehat,
7700   name={bergère hat},
7701   category={phrase},
7702   description={a type of wide-brimmed straw hat}
7703 }
7704
7705 @index{AndersJonasAngstrom,
7706   name={Ångström, Anders Jonas},
7707   text={Anders Jonas Ångström},
7708   category={person},
7709   description={Swedish physicist}
7710 }
7711
7712 @index{people.AndersJonasAngstrom,
7713   name={Ångström, Anders Jonas},
7714   text={Anders Jonas Ångström},
7715   parent={people},
7716   category={person},
7717   description={Swedish physicist}
7718 }
7719 %<<COMMENT
7720 % Encoding: ASCII

```

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7721 %COMMENT
7722
7723 @index{packages,
7724   category={word},
7725   description={files provided to adjust the document
7726   design or provide new commands}
7727 }
7728
7729 @index{books,
7730   category={word},
7731   description={written or printed works}
7732 }
7733
7734 @index{films,
7735   category={word},
7736   description={stories recorded by camera}
7737 }
7738
7739 @index{people,
7740   category={word},
7741   description={human individuals (or fictional
7742   anthropomorphisms)}
7743 }
7744
7745 @index{places,
7746   category={word},
7747   description={particular areas or locations}
7748 }
7749
7750 @index{subitems,
7751   category={word},
7752   name={sub-items},
7753   description={items that have a parent entry}
7754 }
7755
7756 @index{applications,
7757   category={word},
7758   description={computer programs}
7759 }
7760
7761 @index{environments,
7762   category={word},
7763   description={a marked-up block within the document
7764 that requires special action or formatting}
7765 }
7766
7767 @index{attributes,
7768   category={word},
7769   description={qualities or features that characterise something}

```

7770 }  
7771  
7772 @index{check,  
7773 category={word},  
7774 description={make sure something is the case}  
7775 }  
7776  
7777 @index{chalk,  
7778 category={word},  
7779 description={soft limestone substance made into sticks to  
7780 use for writing}  
7781 }  
7782  
7783 @index{daft,  
7784 category={word},  
7785 description={silly or foolish}  
7786 }  
7787  
7788 @index{parse,  
7789 category={word},  
7790 description={divide a sentence into its component parts for  
7791 analysis}  
7792 }  
7793  
7794 @index{interpret,  
7795 category={word},  
7796 description={translate or explain the meaning of}  
7797 }  
7798  
7799 @index{oak,  
7800 category={word},  
7801 description={large tree that produces acorns}  
7802 }  
7803  
7804 @index{rhubarb,  
7805 category={word},  
7806 description={thick reddish or green leaf stalks  
7807 of a plant from the dock family}  
7808 }  
7809  
7810 @index{rhinoceros,  
7811 category={word},  
7812 description={a large plant-eating mammal  
7813 with one or two horns on its nose}  
7814 }  
7815  
7816 @index{aardvark,  
7817 category={word},  
7818 description={an African mammal}}



```

7819 }
7820
7821 @index{ddisgynedig,
7822   category={word},
7823   description={descending (Welsh)}
7824 }
7825
7826 @index{ddyrchafedig,
7827   category={word},
7828   description={advanced (Welsh)}
7829 }
7830
7831 @index{ffotograff,
7832   category={word},
7833   description={photo (Welsh)}
7834 }
7835
7836 @index{index,
7837   category={word},
7838   description={an alphabetical list of names, terms or
7839     subjects with references to where they occur in the document}
7840 }
7841
7842 @index{phrase,
7843   category={word},
7844   description={group of words forming a unit}
7845 }
7846
7847 @index{glossary,
7848   category={word},
7849   description={an alphabetical list of words with explanations}
7850 }
7851
7852 @index{layout,
7853   category={word},
7854   description={the way something is laid out (for example, on a page)}
7855 }
7856
7857 @index{filler,
7858   category={word},
7859   description={something used to fill in gaps or increase bulk}
7860 }
7861
7862 @index{padding,
7863   category={word},
7864   description={something used to pad out material to make it
7865 longer},
7866   seealso={filler}
7867 }

```

```

7868
7869 @index{example,
7870   category={word},
7871   description={thing used to illustrate something}
7872 }
7873
7874 @index{purpose,
7875   category={word},
7876   description={the reason for doing something}
7877 }
7878
7879 @index{whatsit,
7880   category={word},
7881   description={In \TeX\ terms, a mechanism to allow
7882 extensions to \TeX, including writing to files or providing
7883 special instructions to printing devices. More generally,
7884 a whatsit is an unnamed person or thing}
7885 }
7886
7887 @index{test,
7888   category={word},
7889   description={a means of testing something}
7890 }
7891
7892 @index{design,
7893   category={word},
7894   description={plan or purpose}
7895 }
7896
7897 @index{document,
7898   category={word},
7899   description={a piece of written, printed or electronic
7900 matter that provides information}
7901 }
7902
7903 @index{book,
7904   category={word},
7905   description={written or printed work}
7906 }
7907
7908 @index{range,
7909   category={word},
7910   description={area of variation or scope}
7911 }
7912
7913 @index{word,
7914   category={word},
7915   description={single unit of language which has meaning}
7916 }

```

```

7917
7918 @index{marker,
7919   category={word},
7920   description={an identifying symbol}
7921 }
7922
7923 @index{footnote,
7924   category={word},
7925   description={additional information written at the bottom of a page}
7926 }
7927
7928 @index{encap,
7929   category={word},
7930   description={the format used to encapsulate the location}
7931 }
7932
7933 @index{text,
7934   category={word},
7935   description={written or printed or electronically
7936 represented words}
7937 }
7938
7939 @index{argument,
7940   category={word},
7941   description={parameter passed to a command or
7942 application}
7943 }
7944
7945 @index{predefined,
7946   category={word},
7947   description={already defined}
7948 }
7949
7950 @index{excessive,
7951   category={word},
7952   description={more than normal or desired}
7953 }
7954
7955 @index{block,
7956   category={word},
7957   description={large quantity of things viewed as a unit}
7958 }
7959
7960 @index{paragraph,
7961   category={word},
7962   description={block of writing, beginning on a new line}
7963 }
7964
7965 @index{waffle,

```

7966 category={word},  
7967 description={speak or write vague or trivial information in a  
7968 lengthy way}  
7969 }  
7970  
7971 @index{gibberish,  
7972 category={word},  
7973 description={meaningless or hard to comprehend speech  
7974 or writing}  
7975 }  
7976  
7977 @index{gobbledegook,  
7978 category={word},  
7979 description={language that is difficult to understand},  
7980 see={gibberish}  
7981 }  
7982  
7983 @index{clarify,  
7984 category={word},  
7985 description={make it easier to understand}  
7986 }  
7987  
7988 @index{confidential,  
7989 category={word},  
7990 description={private or secret information}  
7991 }  
7992  
7993 @index{roundabout,  
7994 category={word},  
7995 description={not direct}  
7996 }  
7997  
7998 @index{fashion,  
7999 category={word},  
8000 description={a way of doing something}  
8001 }  
8002  
8003 @index{illustration,  
8004 category={word},  
8005 description={an example to explain something},  
8006 seealso={example}  
8007 }  
8008  
8009 @index{wit,  
8010 category={word},  
8011 description={natural talent for saying or writing things in  
8012 an amusing or clever way}  
8013 }  
8014

8015 @index{eloquence,  
8016 category={word},  
8017 description={fluent or persuasive speech or writing}  
8018 }  
8019  
8020 @index{adage,  
8021 category={word},  
8022 description={popular saying}  
8023 }  
8024  
8025 @index{motto,  
8026 category={word},  
8027 description={short sentence of phrase expressing a belief  
8028 or aim}  
8029 }  
8030  
8031 @index{verbiage,  
8032 category={word},  
8033 description={excessively length speech or writing}  
8034 }  
8035  
8036 @index{drivel,  
8037 category={word},  
8038 description={nonsense}  
8039 }  
8040  
8041 @index{tutor,  
8042 category={word},  
8043 description={teacher}  
8044 }  
8045  
8046 @index{grass,  
8047 category={word},  
8048 description={in addition to the plant, also slang for  
8049 reporting criminal activity}  
8050 }  
8051  
8052 @index{distress,  
8053 category={word},  
8054 description={cause anxiety}  
8055 }  
8056  
8057 @index{concordance,  
8058 category={word},  
8059 description={an alphabetical list of important words  
8060 used in a document}  
8061 }  
8062  
8063 @index{ogling,

```

8064 category={word},
8065 description={staring at someone in a lecherous manner}
8066 }
8067
8068 @index{gawping,
8069 category={word},
8070 description={staring in a rude or stupid manner},
8071 see={ogling}
8072 }
8073
8074 @index{passim,
8075 category={word},
8076 description={referencing various places in a document}
8077 }
8078
8079 @index{localisation,
8080 category={word},
8081 description={place or position}
8082 }
8083
8084 @index{digraph,
8085 category={word},
8086 description={two letters representing a single sound}
8087 }
8088
8089 @index{trigraph,
8090 category={word},
8091 description={three letters representing a single sound}
8092 }
8093
8094 @index{lyuk,
8095 category={word},
8096 description={hole (Hungarian)},
8097 seealso={digraph}
8098 }
8099
8100 @index{dzs,
8101 category={trigraph},
8102 description={Hungarian \glshyperlink{trigraph} considered a separate letter}
8103 }
8104
8105 @index{cz,
8106 category={digraph},
8107 description={digraph in some languages, such as Polish}
8108 }
8109
8110 @index{dd,
8111 category={digraph},
8112 description={digraph in some languages, such as Welsh}

```

8113 }  
8114  
8115 @index{ff,  
8116 category={digraph},  
8117 description={digraph in some languages, such as Welsh}  
8118 }  
8119  
8120 @index{ng,  
8121 category={digraph},  
8122 description={digraph in some languages, such as Welsh}  
8123 }  
8124  
8125 @index{ly,  
8126 category={digraph},  
8127 description={digraph in some languages, such as Hungarian}  
8128 }  
8129  
8130 @index{dzsungel,  
8131 category={word},  
8132 description={jungle (Hungarian)},  
8133 seealso={trigraph}  
8134 }  
8135  
8136 @index{nonsense,  
8137 category={word},  
8138 description={something that doesn't make sense}  
8139 }  
8140  
8141 @index{volauvent,  
8142 category={word},  
8143 name={vol-au-vent},  
8144 description={small round puff pastry containing savoury food}  
8145 }  
8146  
8147 @index{two,  
8148 category={word},  
8149 description={number following one}  
8150 }  
8151  
8152 @index{sculpture,  
8153 category={word},  
8154 description={artwork made of wood, metal or stone}  
8155 }  
8156  
8157 @index{Venus,  
8158 category={word},  
8159 description={Roman goddess (or planet named after her)}  
8160 }  
8161

```

8162 @index{zoo,
8163   category={word},
8164   description={place containing animals}
8165 }
8166
8167 @index{alphabet,
8168   category={word},
8169   description={ordered set of letters used to form words}
8170 }
8171
8172 @index{resume,
8173   category={word},
8174   description={continue after an interruption}
8175 }
8176
8177 @index{fly,
8178   category={word},
8179   description={travel by air}
8180 }
8181
8182 @index{aeroplane,
8183   category={word},
8184   description={fixed wing flying vehicle}
8185 }
8186
8187 @index{window,
8188   category={word},
8189   description={opening in wall or window to view out or in}
8190 }
8191
8192 @index{ogonek,
8193   category={word},
8194   description={a diacritic hook placed under the lower right
8195 corner of a vowel}
8196 }
8197
8198 @index{sail,
8199   category={word},
8200   description={travel by or navigate a boat}
8201 }
8202
8203 @index{ship,
8204   category={word},
8205   description={large boat}
8206 }
8207
8208 @index{OT1,
8209   category={word},
8210   description={one of the original font encodings provided with

```



```

8211 \TeX}
8212 }
8213
8214 @index{UTF8,
8215   name={UTF-8},
8216   category={word},
8217   description={character encoding that uses 8-bit code units}
8218 }
8219
8220 @index{life,
8221   category={word},
8222   description={existence}
8223 }
8224
8225 @index{universe,
8226   category={word},
8227   description={all existing space and matter}
8228 }
8229
8230 @index{even,
8231   category={word},
8232   description={multiple of two}
8233 }
8234
8235 @index{century,
8236   category={word},
8237   description={period of 100 years or a score of 100 runs}
8238 }
8239
8240 @index{cricket,
8241   category={word},
8242   description={bat and ball game played between two teams
8243 with eleven players on either side}
8244 }
8245
8246 @index{calendar,
8247   category={word},
8248   description={chart or list showing a period of time}
8249 }
8250
8251 @index{prefix,
8252   category={word},
8253   description={word or letter placed at the start of another
8254 word}
8255 }
8256
8257 @index{gobsmacked,
8258   category={word},
8259   description={astonished}

```

8260 }  
8261  
8262 @index{astounded,  
8263 category={word},  
8264 description={shocked or very surprised}  
8265 }  
8266  
8267 @index{quaint,  
8268 category={word},  
8269 description={old-fashioned or unusual}  
8270 }  
8271  
8272 @index{yatter,  
8273 category={word},  
8274 description={chatter or talk non-stop}  
8275 }  
8276  
8277 @index{yawn,  
8278 category={word},  
8279 description={open one's mouth due to tiredness or boredom}  
8280 }  
8281  
8282 @index{quirky,  
8283 category={word},  
8284 description={peculiar or unexpected habits}  
8285 }  
8286  
8287 @index{badinage,  
8288 category={word},  
8289 description={witty conversation}  
8290 }  
8291  
8292 @index{expire,  
8293 category={word},  
8294 description={come to an end}  
8295 }  
8296  
8297 @index{story,  
8298 category={word},  
8299 description={account or description of imaginary or real  
8300 events}  
8301 }  
8302  
8303 @index{begin,  
8304 category={word},  
8305 description={start something}  
8306 }  
8307  
8308 @index{forget,

8309 category={word},  
8310 description={fail to remember something}  
8311 }  
8312  
8313 @index{tale,  
8314 category={word},  
8315 description={a story}  
8316 }  
8317  
8318 @index{adventure,  
8319 category={word},  
8320 description={unusual or exciting or daring experience}  
8321 }  
8322  
8323 @index{derringdo,  
8324 name={derring-do},  
8325 category={word},  
8326 description={heroic action}  
8327 }  
8328  
8329 @index{hero,  
8330 category={word},  
8331 description={principle male character in a story or a person  
8332 admired for their achievements}  
8333 }  
8334  
8335 @index{title,  
8336 category={word},  
8337 description={name of a document or work, or a name that  
8338 describes a position}  
8339 }  
8340  
8341 @index{knight,  
8342 category={word},  
8343 description={a man raised to military rank after service  
8344 as a page or squire, or a man entitled to use \tstidxqt{Sir} before  
8345 his name}  
8346 }  
8347  
8348 @index{handsome,  
8349 category={word},  
8350 description={good-looking}  
8351 }  
8352  
8353 @index{bold,  
8354 category={word},  
8355 description={confident or brave}  
8356 }  
8357

```

8358 @index{brave,
8359   category={word},
8360   description={prepared to face danger or difficulties}
8361 }
8362
8363 @index{duck,
8364   category={word},
8365   description={a waterbird with a blunt bill, short legs and webbed
8366 feet}
8367 }
8368
8369 @index{name,
8370   category={word},
8371   description={word or words by which something is known}
8372 }
8373
8374 @index{plight,
8375   category={word},
8376   description={dangerous situation}
8377 }
8378
8379 @index{land,
8380   category={word},
8381   description={area of ground}
8382 }
8383
8384 @index{OgRe,
8385   category={word},
8386   description={an ogre is a man-eating giant or a terrifying
8387 person. The silly capitalisation is just a reference to \TeX's
8388 output routine}
8389 }
8390
8391 @index{reference,
8392   category={word},
8393   description={referring to something}
8394 }
8395
8396 @index{perilous,
8397   category={word},
8398   description={dangerous or full of risk}
8399 }
8400
8401 @index{quest,
8402   category={word},
8403   description={long or difficult search for something}
8404 }
8405
8406 @index{xor,

```

```

8407 category={word},
8408 description={\LaTeX3 experimental output routine}
8409 }
8410
8411 @index{continuation,
8412 category={word},
8413 description={state of continuing}
8414 }
8415
8416 @index{newcomers,
8417 category={word},
8418 description={recent arrivals}
8419 }
8420
8421 @index{nod,
8422 category={word},
8423 description={in addition to the action of moving one's head
8424 up and down, also indicates a reference of acknowledgement of
8425 something}
8426 }
8427
8428 @index{centre,
8429 category={word},
8430 description={point in the middle (UK spelling)}
8431 }
8432
8433 @index{center,
8434 category={word},
8435 description={point in the middle (US spelling)}
8436 }
8437
8438 @index{lore,
8439 category={word},
8440 description={tradition or knowledge of a particular subject}
8441 }
8442
8443 @index{raft,
8444 category={word},
8445 description={flat water vessel made from pieces of wood
8446 tied together}
8447 }
8448
8449 @index{external,
8450 category={word},
8451 description={belonging outside of something}
8452 }
8453
8454 @index{pun,
8455 category={word},

```

8456 description={play on words}  
8457 }  
8458  
8459 @index{joke,  
8460 category={word},  
8461 description={something said to amuse others}  
8462 }  
8463  
8464 @index{witty,  
8465 category={word},  
8466 description={having the ability to say clever or  
8467 amusing things}  
8468 }  
8469  
8470 @index{cameo,  
8471 category={word},  
8472 description={small part in a story for a distinguished  
8473 actor}  
8474 }  
8475  
8476 @index{exclamation,  
8477 category={word},  
8478 description={sudden cry}  
8479 }  
8480  
8481 @index{bog,  
8482 category={word},  
8483 description={area of soft, wet, muddy ground}  
8484 }  
8485  
8486 @index{leviathans,  
8487 category={word},  
8488 description={very large, powerful thing (such as a sea  
8489 monster) }  
8490 }  
8491  
8492 @index{vale,  
8493 category={word},  
8494 description={valley}  
8495 }  
8496  
8497 @index{doom,  
8498 category={word},  
8499 description={fate}  
8500 }  
8501  
8502 @index{chaos,  
8503 category={word},  
8504 description={complete confusion or disorder}

8505 }  
8506  
8507 @index{butterfly,  
8508   category={word},  
8509   description={winged insect}  
8510 }  
8511  
8512 @index{motif,  
8513   category={word},  
8514   description={repeated theme}  
8515 }  
8516  
8517 @index{sentence,  
8518   category={word},  
8519   description={set of words forming a complete statement,  
8520 instruction or question}  
8521 }  
8522  
8523 @index{conjunction,  
8524   category={word},  
8525   description={word used to connect words or clauses}  
8526 }  
8527  
8528 @index{naughty,  
8529   category={word},  
8530   description={badly behaved}  
8531 }  
8532  
8533 @index{leap,  
8534   category={word},  
8535   description={jump far or high across something}  
8536 }  
8537  
8538 @index{bound,  
8539   category={word},  
8540   description={leaping movement}  
8541 }  
8542  
8543 @index{sword,  
8544   category={word},  
8545   description={weapon with a long metal blade}  
8546 }  
8547  
8548 @index{myriad,  
8549   category={word},  
8550   description={countless or a very great number}  
8551 }  
8552  
8553 @index{clones,

8554 category={word},  
8555 description={identical copy}  
8556 }  
8557  
8558 @index{repetition,  
8559 category={word},  
8560 description={something that's been repeated}  
8561 }  
8562  
8563 @index{lair,  
8564 category={word},  
8565 description={hiding place or den}  
8566 }  
8567  
8568 @index{roar,  
8569 category={word},  
8570 description={loud, deep sound}  
8571 }  
8572  
8573 @index{peace,  
8574 category={word},  
8575 description={freedom from war or anxiety}  
8576 }  
8577  
8578 @index{harmony,  
8579 category={word},  
8580 description={arranged well or peacefully together}  
8581 }  
8582  
8583 @index{span,  
8584 category={word},  
8585 description={length of time or full extent or extend across  
8586 something}  
8587 }  
8588  
8589 @index{fear,  
8590 category={word},  
8591 description={anxiety about something unpleasant}  
8592 }  
8593  
8594 @index{thrilling,  
8595 category={word},  
8596 description={exciting}  
8597 }  
8598  
8599 @index{quixotic,  
8600 category={word},  
8601 description={impractically unselfish and idealist}  
8602 }



8603  
8604 @index{seal,  
8605   category={word},  
8606   description={sea-dwelling fish-eating mammal with flippers}  
8607 }  
8608  
8609 @index{sea,  
8610   category={word},  
8611   description={large area of salt water}  
8612 }  
8613  
8614 @index{seaborne,  
8615   category={word},  
8616   description={transported or travelling by sea}  
8617 }  
8618  
8619 @index{zither,  
8620   category={word},  
8621   description={a type of stringed musical instrument}  
8622 }  
8623  
8624 @index{zealous,  
8625   category={word},  
8626   description={having great enthusiasm for something}  
8627 }  
8628  
8629 @index{fan,  
8630   category={word},  
8631   description={an admirer of something}  
8632 }  
8633  
8634 @index{youthful,  
8635   category={word},  
8636   description={seeming young}  
8637 }  
8638  
8639 @index{magic,  
8640   category={word},  
8641   description={having the apparent power of supernatural or  
8642 mysterious forces}  
8643 }  
8644  
8645 @index{magical,  
8646   category={word},  
8647   description={relating to or using magic}  
8648 }  
8649  
8650 @index{yoyo,  
8651   name={yo-yo},

```
8652 category={word},
8653 description={a round toy consisting of two discs and a
8654 piece of string}
8655 }
8656
8657 @index{wily,
8658 category={word},
8659 description={using cunning or crafty methods to gain an
8660 advantage}
8661 }
8662
8663 @index{wombat,
8664 category={word},
8665 description={a type of small marsupial}
8666 }
8667
8668 @index{warrior,
8669 category={word},
8670 description={brave or experienced fighter}
8671 }
8672
8673 @index{laserguided,
8674 name={laser-guided},
8675 category={word},
8676 description={guided by a laser}
8677 }
8678
8679 @index{villainous,
8680 category={word},
8681 description={characteristic of a villain}
8682 }
8683
8684 @index{zany,
8685 category={word},
8686 description={amusingly unconventional}
8687 }
8688
8689 @index{zoologist,
8690 category={word},
8691 description={someone who studies animals}
8692 }
8693
8694 @index{xebec,
8695 category={word},
8696 description={a type of small sailing ship}
8697 }
8698
8699 @index{xenon,
8700 category={word},
```

8701 description={a type of inert gas}  
8702 }  
8703  
8704 @index{xylem,  
8705 category={word},  
8706 description={a plant tissue}  
8707 }  
8708  
8709 @index{xylene,  
8710 category={word},  
8711 description={a type of liquid hydrocarbon}  
8712 }  
8713  
8714 @index{zounds,  
8715 category={word},  
8716 description={an exclamation}  
8717 }  
8718  
8719 @index{Ooh,  
8720 category={word},  
8721 description={an exclamation}  
8722 }  
8723  
8724 @index{zucchini,  
8725 category={word},  
8726 description={a type of long, green summer squash (called  
8727 a courgette in British English)}  
8728 }  
8729  
8730 @index{xylophone,  
8731 category={word},  
8732 description={a type of musical instrument}  
8733 }  
8734  
8735 @index{exhilarating,  
8736 category={word},  
8737 description={pleasing or energetic}  
8738 }  
8739  
8740 @index{yuppie,  
8741 category={word},  
8742 description={urban well-paid young middle-class professional}  
8743 }  
8744  
8745 @index{yoghurt,  
8746 category={word},  
8747 description={thick, liquid food made from milk}  
8748 }  
8749

8750 @index{yummy,  
8751 category={word},  
8752 description={delicious}  
8753 }  
8754  
8755 @index{yuck,  
8756 category={word},  
8757 description={disgusting}  
8758 }  
8759  
8760 @index{Viking,  
8761 category={word},  
8762 description={a member of Scandinavian seafaring people  
8763 between the eighth and eleventh centuries}  
8764 }  
8765  
8766 @index{vignette,  
8767 category={word},  
8768 description={brief episode}  
8769 }  
8770  
8771 @index{viceroy,  
8772 category={word},  
8773 description={a person who governs a colony on behalf of  
8774 the sovereign}  
8775 }  
8776  
8777 @index{vichyssoise,  
8778 category={word},  
8779 description={a type of soup}  
8780 }  
8781  
8782 @index{viceregal,  
8783 category={word},  
8784 description={relating to a viceroy}  
8785 }  
8786  
8787 @index{quiz,  
8788 category={word},  
8789 description={game or competition}  
8790 }  
8791  
8792 @index{glyph,  
8793 category={word},  
8794 description={small graphic symbol}  
8795 }  
8796  
8797 @index{asleep,  
8798 category={word},

```

8799  description={in or into a state of sleep}
8800 }
8801
8802 @index{ashore,
8803  category={word},
8804  description={to or on shore or land}
8805 }
8806
8807 @index{aspire,
8808  category={word},
8809  description={to have strong ambitions to be or do something}
8810 }
8811
8812 @index{assailed,
8813  category={word},
8814  description={past tense of assail}
8815 }
8816
8817 @index{recover,
8818  category={word},
8819  description={get well again}
8820 }
8821
8822 @index{reecover,
8823  name={re-cover},
8824  category={word},
8825  description={to cover again}
8826 }
8827
8828 @index{document.properties,
8829  name={properties},
8830  parent={document},
8831  category={word},
8832  description={attributes such as page size}
8833 }
8834
8835 @index{subitems.lonely,
8836  name={lonely},
8837  parent={subitems},
8838  category={word},
8839  description={a sub-item that doesn't have any siblings}
8840 }
8841
8842 @index{fontencoding.OT1,
8843  name={OT1},
8844  parent={fontencoding},
8845  category={word},
8846  description={one of the original font encodings supplied with \TeX}
8847 }

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8848
8849 @index{hero.intrepid,
8850   name={intrepid},
8851   parent={hero},
8852   category={word},
8853   description={a hero known for his boldness and bravery},
8854   see={intrepidhero}
8855 }
8856 @index{dadorail,
8857   name={dado rail},
8858   category={phrase},
8859   description={waist-high moulding around the wall of a room}
8860 }
8861
8862 @index{indexingapplication,
8863   name={indexing application},
8864   category={phrase},
8865   description={an application that generates a document index}
8866 }
8867
8868 @index{visualeffects,
8869   name={visual effects},
8870   category={phrase},
8871   description={use of imagery to create an effect}
8872 }
8873
8874 @index{dummytext,
8875   name={dummy text},
8876   category={phrase},
8877   description={sample text used for demonstration not
8878 for its content}
8879 }
8880
8881 @index{pagebreak,
8882   name={page break},
8883   category={phrase},
8884   description={the point where document text is broken
8885 across two pages}
8886 }
8887
8888 @index{linktext,
8889   name={link text},
8890   category={phrase},
8891   description={for the \glshyperlink{glossariespackage}
8892 package, this refers to the text inserted into the document
8893 through commands like \glshyperlink{cs.gls}}
8894 }
8895
8896 @index{crossreference,

```

```

8897 name={cross-reference},
8898 category={phrase},
8899 description={reference to another part of the
8900 document or to a part of another document}
8901 }
8902
8903 @index{marginalnote,
8904 name={marginal note},
8905 category={phrase},
8906 description={text that's placed in the page margin}
8907 }
8908
8909 @index{overfulllines,
8910 name={overfull lines},
8911 category={phrase},
8912 description={lines where the text extends into
8913 the margin because of a formatting failure}
8914 }
8915
8916 @index{loremipsum,
8917 name={lorem ipsum},
8918 category={phrase},
8919 description={dummy text}
8920 }
8921
8922 @index{betweenyoumeandthegatepost,
8923 name={between you, me and the gatepost},
8924 category={phrase},
8925 description={an expression
8926 meaning you're telling someone a secret that shouldn't be passed on
8927 (common in some British dialects)}
8928 }
8929
8930 @index{waywithwords,
8931 name={way with words},
8932 category={phrase},
8933 description={have a particular talent with words}
8934 }
8935
8936 @index{creativewriting,
8937 name={creative writing},
8938 category={phrase},
8939 description={writing typically identified
8940 by narrative craft, character development and use of literary tropes}
8941 }
8942
8943 @index{cuttothechase,
8944 name={cut to the chase},
8945 category={phrase},

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```

8946 description={get to the point}
8947 }
8948
8949 @index{gettothepoint,
8950 name={get to the point},
8951 category={phrase},
8952 description={state something directly}
8953 }
8954
8955 @index{keepmum,
8956 name={keep mum},
8957 category={phrase},
8958 description={be silent about something},
8959 seealso={confidential}
8960 }
8961
8962 @index{outputroutine,
8963 name={output routine},
8964 category={phrase},
8965 description={\TeX's method of outputting a page}
8966 }
8967
8968 @index{outofwhack,
8969 name={out of whack},
8970 category={phrase},
8971 description={out of order or not working}
8972 }
8973
8974 @index{pagedimensions,
8975 name={page dimensions},
8976 category={phrase},
8977 description={the dimensions of a page (such as
8978 the page width and page height)}
8979 }
8980
8981 @index{fontfamily,
8982 name={font family},
8983 category={phrase},
8984 description={the name of a font}
8985 }
8986
8987 @index{fontsize,
8988 name={font size},
8989 category={phrase},
8990 description={the size of a font}
8991 }
8992
8993 @index{locationlist,
8994 name={location list},

```



```

8995 category={phrase},
8996 description={the list of locations used in an index to indicate
8997 where
8998 the term being referenced was used in the document},
8999 seealso={crossreference}
9000 }
9001
9002 @index{rangeseparator,
9003 name={range separator},
9004 category={phrase},
9005 description={the symbol
9006 used between the start and end location to indicate a range},
9007 see={locationlist}
9008 }
9009
9010 @index{pagenumber,
9011 name={page number},
9012 category={phrase},
9013 description={the number identifying a particular page}
9014 }
9015
9016 @index{multipleencaps,
9017 name={multiple encaps},
9018 category={phrase},
9019 description={a warning issued by
9020 \glshyperlink{makeindex} when the same page number is indexed
9021 with different encap values}
9022 }
9023
9024 @index{inputencoding,
9025 name={input encoding},
9026 category={phrase},
9027 description={the character encoding used
9028 in the document source code}
9029 }
9030
9031 @index{fontencoding,
9032 name={font encoding},
9033 category={phrase},
9034 description={the encoding used by the document
9035 font}
9036 }
9037
9038 @index{extendedLatincharacters,
9039 name={extended Latin characters},
9040 category={phrase},
9041 description={Latin characters outside the basic ASCII set}
9042 }
9043

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```

9044 @index{cupoftea,
9045   name={cup of tea},
9046   category={phrase},
9047   description={an expression indicating what one likes
9048 or is interested in}
9049 }
9050
9051 @index{whistlestoptour,
9052   name={whistle-stop tour},
9053   category={phrase},
9054   description={a series of short visits to different places}
9055 }
9056
9057 @index{numbergroup,
9058   name={number group},
9059   category={phrase},
9060   description={a group associated with numbers}
9061 }
9062
9063 @index{primenumber,
9064   name={prime number},
9065   category={phrase},
9066   description={a number that is only divisible by itself and 1}
9067 }
9068
9069 @index{holdmybreath,
9070   name={hold my breath},
9071   category={phrase},
9072   description={stop breathing temporarily, also used as an expression to indicate a
9073 suspense}
9074 }
9075
9076 @index{lettergroups,
9077   name={letter groups},
9078   category={phrase},
9079   description={groups associated with letters}
9080 }
9081
9082 @index{Onceuponatime,
9083   name={Once upon a time},
9084   category={phrase},
9085   description={an expression commonly used at
9086 the start of fairy tales}
9087 }
9088
9089 @index{acrossthepond,
9090   name={across the pond},
9091   category={phrase},
9092   description={colloquial expression indicating

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9093 the other side of the Atlantic}  
 9094 }  
 9095  
 9096 @index{badform,  
 9097   name={bad form},  
 9098   category={phrase},  
 9099   description={an offence against accepted behaviour}  
 9100 }  
 9101  
 9102 @index{MontyPython,  
 9103   name={Monty Python},  
 9104   category={phrase},  
 9105   description={a British surreal comedy group}  
 9106 }  
 9107  
 9108 @index{magicincantation,  
 9109   name={magic incantation},  
 9110   category={phrase},  
 9111   description={words used to create a magical effect}  
 9112 }  
 9113  
 9114 @index{commonknowledge,  
 9115   name={common knowledge},  
 9116   category={phrase},  
 9117   description={something widely known}  
 9118 }  
 9119  
 9120 @index{intrepidhero,  
 9121   name={intrepid hero},  
 9122   category={phrase},  
 9123   description={a hero known for his boldness and bravery}  
 9124 }  
 9125  
 9126 @index{sealion,  
 9127   name={sea lion},  
 9128   category={phrase},  
 9129   description={a type of large seal}  
 9130 }  
 9131  
 9132 @index{sealantgun,  
 9133   name={sealant gun},  
 9134   category={phrase},  
 9135   description={a device used for applying sealant}  
 9136 }  
 9137  
 9138 @index{zootsuit,  
 9139   name={zoot suit},  
 9140   category={phrase},  
 9141   description={a suit typically having a long loose

9142 jacket and high-waisted trousers}  
 9143 }  
 9144  
 9145 @index{anonymousreviewer,  
 9146 name={anonymous reviewer},  
 9147 category={phrase},  
 9148 description={an unnamed reviewer}  
 9149 }  
 9150  
 9151 @index{yulelog,  
 9152 name={yule log},  
 9153 category={phrase},  
 9154 description={a large log traditionally burnt on  
 9155 Christmas Eve or a log-shaped chocolate cake}  
 9156 }  
 9157  
 9158 @index{vicepresident,  
 9159 name={vice-president},  
 9160 category={phrase},  
 9161 description={a president's deputy}  
 9162 }  
 9163  
 9164 @index{viceadmiral,  
 9165 name={vice admiral},  
 9166 category={phrase},  
 9167 description={a high rank of naval officer}  
 9168 }  
 9169  
 9170 @index{Victoriaplum,  
 9171 name={Victoria plum},  
 9172 category={phrase},  
 9173 description={a large, red, dessert plum}  
 9174 }  
 9175  
 9176 @index{Victoriasponge,  
 9177 name={Victoria sponge},  
 9178 category={phrase},  
 9179 description={a sponge cake consisting of two  
 9180 layers with jam filling in between}  
 9181 }  
 9182  
 9183 @index{viceversa,  
 9184 name={vice versa},  
 9185 category={phrase},  
 9186 description={reversing the order of the items just mentioned}  
 9187 }  
 9188  
 9189 @index{vicechancellor,  
 9190 name={vice chancellor},

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9191 category={phrase},
9192 description={a deputy chancellor of a
9193 British university in charge of its administration}
9194 }
9195
9196 @index{letterordering,
9197   name={letter ordering},
9198   category={phrase},
9199   description={ordering according to the
9200 individual characters}
9201 }
9202
9203 @index{wordordering,
9204   name={word ordering},
9205   category={phrase},
9206   description={ordering according to the
9207 language or locale's definition of words}
9208 }
9209
9210 @index{commercialworld,
9211   name={commercial world, the},
9212   text={the commercial world},
9213   category={phrase},
9214   description={pertaining to commerce}
9215 }
9216
9217 @index{farawayland,
9218   name={far away land, a},
9219   text={a far away land},
9220   category={phrase},
9221   description={somewhere that's far away; a
9222 term often used in fairy tales}
9223 }
9224
9225 @index{GoldenArara,
9226   name={Golden Arara, the},
9227   text={the Golden Arara},
9228   category={phrase},
9229   description={a made-up item in the dummy text}
9230 }
9231
9232 @index{MightyHelmofKnuth,
9233   name={Mighty Helm of Knuth, the},
9234   text={the Mighty Helm of Knuth},
9235   category={phrase},
9236   description={a made-up item in the dummy text}
9237 }
9238
9239 @index{LegendarySword,

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9240 name={Legendary Sword, the},
9241 text={the Legendary Sword},
9242 category={phrase},
9243 description={a made-up item in the dummy text}
9244 }
9245
9246 @index{BogofEternalGlossaries,
9247 name={Bog of Eternal Glossaries, the},
9248 text={the Bog of Eternal Glossaries},
9249 category={phrase},
9250 description={a made-up place in the dummy text}
9251 }
9252
9253 @index{DreadValeoftheEditors,
9254 name={Dread Vale of the Editors, the},
9255 text={the Dread Vale of the Editors},
9256 category={phrase},
9257 description={a made-up place in the dummy text}
9258 }
9259
9260 @index{butterfliesofchaos,
9261 name={butterflies of chaos, the},
9262 text={the butterflies of chaos},
9263 category={phrase},
9264 description={the butterfly effect is a popular method of describing aspects of ch
9265 }
9266
9267 @index{End,
9268 name={End, The},
9269 text={The End},
9270 category={phrase},
9271 description={denotes the end of a story, especially fairy tales}
9272 }
9273
9274 @index{locationlist.pageseparator,
9275 name={page separator},
9276 parent={locationlist},
9277 category={phrase},
9278 description={symbol used to separate page references}
9279 }
9280
9281 @index{locationlist.rangeseparator,
9282 name={range separator},
9283 parent={locationlist},
9284 category={phrase},
9285 description={symbol used to mark page range references}
9286 }
9287
9288 @index{motjuste,

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9289 name={mot juste},
9290 description={the most appropriate word}
9291 }
9292
9293 @index{Poland,
9294   name={Poland},
9295   category={place},
9296   description={an Eastern European country}
9297 }
9298
9299 @index{places.Poland,
9300   name={Poland},
9301   parent={places},
9302   category={place},
9303   description={an Eastern European country}
9304 }
9305
9306 @index{Glasgow,
9307   name={Glasgow},
9308   category={place},
9309   description={a Scottish city}
9310 }
9311
9312 @index{places.Glasgow,
9313   name={Glasgow},
9314   parent={places},
9315   category={place},
9316   description={a Scottish city}
9317 }
9318
9319 @index{Iceland,
9320   name={Iceland},
9321   category={place},
9322   description={a Nordic island nation}
9323 }
9324
9325 @index{places.Iceland,
9326   name={Iceland},
9327   parent={places},
9328   category={place},
9329   description={a Nordic island nation}
9330 }
9331
9332 @index{Nghaerdydd,
9333   name={Nghaerdydd},
9334   category={place},
9335   description={Cardiff}
9336 }
9337

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9338 @index{places.Nghaerdydd,
9339   name={Nghaerdydd},
9340   parent={places},
9341   category={place},
9342   description={Cardiff}
9343 }
9344
9345 @index{Nghymru,
9346   name={Nghymru},
9347   category={place},
9348   description={Wales}
9349 }
9350
9351 @index{places.Nghymru,
9352   name={Nghymru},
9353   parent={places},
9354   category={place},
9355   description={Wales}
9356 }
9357
9358 @index{Ffestiniog,
9359   name={Ffestiniog},
9360   category={place},
9361   description={a place in Wales}
9362 }
9363
9364 @index{places.Ffestiniog,
9365   name={Ffestiniog},
9366   parent={places},
9367   category={place},
9368   description={a place in Wales}
9369 }
9370
9371 @index{BogofEternalStench,
9372   name={Bog of Eternal Stench, the},
9373   text={the Bog of Eternal Stench},
9374   category={place},
9375   description={place in the film \glshyperlink{Labyrinth}}
9376 }
9377
9378 @index{places.BogofEternalStench,
9379   name={Bog of Eternal Stench, the},
9380   text={the Bog of Eternal Stench},
9381   parent={places},
9382   category={place},
9383   description={place in the film \glshyperlink{Labyrinth}}
9384 }
9385
9386 @index{JamesJoyce,

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9387 name={Joyce, James},
9388 text={James Joyce},
9389 category={person},
9390 description={an author}
9391 }
9392
9393 @index{people.JamesJoyce,
9394 name={Joyce, James},
9395 text={James Joyce},
9396 parent={people},
9397 category={person},
9398 description={an author}
9399 }
9400
9401 @index{DonaldKnuth,
9402 name={Knuth, Donald},
9403 text={Donald Knuth},
9404 category={person},
9405 description={creator of \TeX}
9406 }
9407
9408 @index{people.DonaldKnuth,
9409 name={Knuth, Donald},
9410 text={Donald Knuth},
9411 parent={people},
9412 category={person},
9413 description={creator of \TeX}
9414 }
9415
9416 @index{PauloCereda,
9417 name={Cereda, Paulo},
9418 text={Paulo Cereda},
9419 category={person},
9420 description={creator of \glshyperlink{arara}}
9421 }
9422
9423 @index{people.PauloCereda,
9424 name={Cereda, Paulo},
9425 text={Paulo Cereda},
9426 parent={people},
9427 category={person},
9428 description={creator of \glshyperlink{arara}}
9429 }
9430
9431 @index{SirQuackalot,
9432 name={Quackalot, Sir},
9433 text={Sir Quackalot},
9434 category={person},
9435 description={fictitious character}

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9436 }
9437
9438 @index{people.SirQuackalot,
9439   name={Quackalot, Sir},
9440   text={Sir Quackalot},
9441   parent={people},
9442   category={person},
9443   description={fictitious character}
9444 }
9445
9446 @index{theFairyGoose,
9447   name={Fairy Goose, the},
9448   text={the Fairy Goose},
9449   category={person},
9450   description={fictitious character}
9451 }
9452
9453 @index{people.theFairyGoose,
9454   name={Fairy Goose, the},
9455   text={the Fairy Goose},
9456   parent={people},
9457   category={person},
9458   description={fictitious character}
9459 }
9460
9461 @index{DavidCarlisle,
9462   name={Carlisle, David},
9463   text={David Carlisle},
9464   category={person},
9465   description={member of the \LaTeX3 team}
9466 }
9467
9468 @index{people.DavidCarlisle,
9469   name={Carlisle, David},
9470   text={David Carlisle},
9471   parent={people},
9472   category={person},
9473   description={member of the \LaTeX3 team}
9474 }
9475
9476 @index{JosephWright,
9477   name={Wright, Joseph},
9478   text={Joseph Wright},
9479   category={person},
9480   description={member of the \LaTeX3 team}
9481 }
9482
9483 @index{people.JosephWright,
9484   name={Wright, Joseph},

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9485 text={Joseph Wright},
9486 parent={people},
9487 category={person},
9488 description={member of the \LaTeX3 team}
9489 }
9490
9491 @index{Ulysses,
9492   name={\tstidxbookfmt{Ulysses}},
9493   category={book},
9494   description={a modernist novel by James Joyce}
9495 }
9496
9497 @index{books.Ulysses,
9498   name={\tstidxbookfmt{Ulysses}},
9499   parent={books},
9500   category={book},
9501   description={a modernist novel by James Joyce}
9502 }
9503
9504 @index{SirQuackalotandtheGoldenArara,
9505   name={\tstidxbookfmt{Sir Quackalot and the Golden Arara}},
9506   category={book},
9507   description={a fictitious book}
9508 }
9509
9510 @index{books.SirQuackalotandtheGoldenArara,
9511   name={\tstidxbookfmt{Sir Quackalot and the Golden Arara}},
9512   parent={books},
9513   category={book},
9514   description={a fictitious book}
9515 }
9516
9517 @index{SirQuackalotandtheHyperLakeofDoom,
9518   name={\tstidxbookfmt{Sir Quackalot and the Hyper Lake of Doom}},
9519   category={book},
9520   description={a fictitious book}
9521 }
9522
9523 @index{books.SirQuackalotandtheHyperLakeofDoom,
9524   name={\tstidxbookfmt{Sir Quackalot and the Hyper Lake of Doom}},
9525   parent={books},
9526   category={book},
9527   description={a fictitious book}
9528 }
9529
9530 @index{CompactOxfordEnglishDictionary,
9531   name={\tstidxbookfmt{Compact Oxford English Dictionary}},
9532   category={book},
9533   description={a dictionary}

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9534 }
9535
9536 @index{books.CompactOxfordEnglishDictionary,
9537   name={\tstidxbookfmt{Compact Oxford English Dictionary}},
9538   parent={books},
9539   category={book},
9540   description={a dictionary}
9541 }
9542
9543 @index{HitchhikersGuidetotheGalaxy,
9544   name={\tstidxbookfmt{Hitchhiker's Guide to the Galaxy, the}},
9545   text={\tstidxbookfmt{the Hitchhiker's Guide to the Galaxy}},
9546   category={book},
9547   description={a comedy series by Douglas Adams, originally created for radio but l
9548 adapted to book, TV and film}
9549 }
9550
9551 @index{books.HitchhikersGuidetotheGalaxy,
9552   name={\tstidxbookfmt{Hitchhiker's Guide to the Galaxy, the}},
9553   text={\tstidxbookfmt{the Hitchhiker's Guide to the Galaxy}},
9554   parent={books},
9555   category={book},
9556   description={a comedy series by Douglas Adams, originally created for radio but l
9557 adapted to book, TV and film}
9558 }
9559
9560 @index{AdventuresofSirQuackalot,
9561   name={\tstidxbookfmt{Adventures of Sir Quackalot, the}},
9562   text={\tstidxbookfmt{the Adventures of Sir Quackalot}},
9563   category={book},
9564   description={a fictitious book}
9565 }
9566
9567 @index{books.AdventuresofSirQuackalot,
9568   name={\tstidxbookfmt{Adventures of Sir Quackalot, the}},
9569   text={\tstidxbookfmt{the Adventures of Sir Quackalot}},
9570   parent={books},
9571   category={book},
9572   description={a fictitious book}
9573 }
9574
9575 @index{Labyrinth,
9576   name={\tstidxfilmfmt{Labyrinth}},
9577   category={film},
9578   description={a musical fantasy film}
9579 }
9580
9581 @index{films.Labyrinth,
9582   name={\tstidxfilmfmt{Labyrinth}},

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```

9583 parent={films},
9584 category={film},
9585 description={a musical fantasy film}
9586 }
9587
9588 @index{ThirdMan,
9589   name={\tstidxfilmfmt{Third Man, The}},
9590   text={\tstidxfilmfmt{The Third Man}},
9591   category={film},
9592   description={a British film noir}
9593 }
9594
9595 @index{films.ThirdMan,
9596   name={\tstidxfilmfmt{Third Man, The}},
9597   text={\tstidxfilmfmt{The Third Man}},
9598   parent={films},
9599   category={film},
9600   description={a British film noir}
9601 }
9602
9603 @index{TeX,
9604   name={\TeX},
9605   category={symbol},
9606   description={a typesetting system created by Donald Knuth}
9607 }
9608
9609 @index{fx,
9610   name={\mathbf{x}},
9611   text={\mathbf{x}},
9612   category={math},
9613   description={a function of  $x$ }
9614 }
9615
9616 @index{n,
9617   name={ $n$ },
9618   text={ $n$ },
9619   category={math},
9620   description={an integer}
9621 }
9622
9623 @index{E,
9624   name={ $E$ },
9625   text={ $E$ },
9626   category={math},
9627   description={energy}
9628 }
9629
9630 @index{testidxpackage,
9631   name={\tstidxstyfmt{testidx} package},

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9632 text={\tstidxstyfmt{testidx}},
9633 category={package},
9634 description={package that produces dummy text for testing
9635 index styles and indexing applications}
9636 }
9637
9638 @index{packages.testidxpackage,
9639 name={\tstidxstyfmt{testidx}},
9640 parent={packages},
9641 category={package},
9642 description={package that produces dummy text for testing
9643 index styles and indexing applications}
9644 }
9645
9646 @index{testidxglossariespackage,
9647 name={\tstidxstyfmt{testidx-glossaries} package},
9648 text={\tstidxstyfmt{testidx-glossaries}},
9649 category={package},
9650 description={package that produces dummy text
9651 for testing glossary styles and indexing applications that integrate
9652 with the \glshyperlink{glossariespackage} or
9653 \glshyperlink{glossariesextrapackage} packages}
9654 }
9655
9656 @index{packages.testidxglossariespackage,
9657 name={\tstidxstyfmt{testidx-glossaries}},
9658 parent={packages},
9659 category={package},
9660 description={package that produces dummy text
9661 for testing glossary styles and indexing applications that integrate
9662 with the \glshyperlink{glossariespackage} or
9663 \glshyperlink{glossariesextrapackage} packages}
9664 }
9665
9666 @index{glossariespackage,
9667 name={\tstidxstyfmt{glossaries} package},
9668 text={\tstidxstyfmt{glossaries}},
9669 category={package},
9670 description={a package for creating glossaries or lists
9671 of terms, symbols or abbreviations}
9672 }
9673
9674 @index{packages.glossariespackage,
9675 name={\tstidxstyfmt{glossaries}},
9676 parent={packages},
9677 category={package},
9678 description={a package for creating glossaries or lists
9679 of terms, symbols or abbreviations}
9680 }

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9681
9682 @index{glossariesextrapackage,
9683   name={\tstidxstyfmt{glossaries-extra} package},
9684   text={\tstidxstyfmt{glossaries-extra}},
9685   category={package},
9686   description={an extension to the \glshyperlink{glossariespackage} package}
9687 }
9688
9689 @index{packages.glossariesextrapackage,
9690   name={\tstidxstyfmt{glossaries-extra}},
9691   parent={packages},
9692   category={package},
9693   description={an extension to the \glshyperlink{glossariespackage} package}
9694 }
9695
9696 @index{hyperrefpackage,
9697   name={\tstidxstyfmt{hyperref} package},
9698   text={\tstidxstyfmt{hyperref}},
9699   category={package},
9700   description={a package that provides extensive support for hypertext}
9701 }
9702
9703 @index{packages.hyperrefpackage,
9704   name={\tstidxstyfmt{hyperref}},
9705   parent={packages},
9706   category={package},
9707   description={a package that provides extensive support for hypertext}
9708 }
9709
9710 @index{lipsumpackage,
9711   name={\tstidxstyfmt{lipsum} package},
9712   text={\tstidxstyfmt{lipsum}},
9713   category={package},
9714   description={a package that generates dummy text}
9715 }
9716
9717 @index{packages.lipsumpackage,
9718   name={\tstidxstyfmt{lipsum}},
9719   parent={packages},
9720   category={package},
9721   description={a package that generates dummy text}
9722 }
9723
9724 @index{inputencpackage,
9725   name={\tstidxstyfmt{inputenc} package},
9726   text={\tstidxstyfmt{inputenc}},
9727   category={package},
9728   description={a package that can be used to identify the document
9729 encoding}

```

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9730 }
9731
9732 @index{packages.inputencpackage,
9733   name={\tstidxstyfmt{inputenc}},
9734   parent={packages},
9735   category={package},
9736   description={a package that can be used to identify the document
9737 encoding}
9738 }
9739
9740 @index{fontencpackage,
9741   name={\tstidxstyfmt{fontenc} package},
9742   text={\tstidxstyfmt{fontenc}},
9743   category={package},
9744   description={a package that can be used to set the font
9745 encoding},
9746   seealso={inputencpackage}
9747 }
9748
9749 @index{packages.fontencpackage,
9750   name={\tstidxstyfmt{fontenc}},
9751   parent={packages},
9752   category={package},
9753   description={a package that can be used to set the font encoding}
9754 }
9755
9756 @index{amsmathpackage,
9757   name={\tstidxstyfmt{amsmath} package},
9758   text={\tstidxstyfmt{amsmath}},
9759   category={package},
9760   description={a package that provides AMS mathematical
9761 facilities}
9762 }
9763
9764 @index{packages.amsmathpackage,
9765   name={\tstidxstyfmt{amsmath}},
9766   parent={packages},
9767   category={package},
9768   description={a package that provides AMS mathematical
9769 facilities}
9770 }
9771
9772 @index{amssymbpackage,
9773   name={\tstidxstyfmt{amssymb} package},
9774   text={\tstidxstyfmt{amssymb}},
9775   category={package},
9776   description={a package that provides mathematical
9777 symbols}
9778 }

```



```

9779
9780 @index{packages.amssymbpackage,
9781   name={\tstidxstyfmt{amssymb}},
9782   parent={packages},
9783   category={package},
9784   description={a package that provides mathematical
9785 symbols}
9786 }
9787
9788 @index{longtablepackage,
9789   name={\tstidxstyfmt{longtable} package},
9790   text={\tstidxstyfmt{longtable}},
9791   category={package},
9792   description={a package that allows tables to flow over
9793 page boundaries}
9794 }
9795
9796 @index{packages.longtablepackage,
9797   name={\tstidxstyfmt{longtable}},
9798   parent={packages},
9799   category={package},
9800   description={a package that allows tables to flow over
9801 page boundaries}
9802 }
9803
9804 @index{testidvglossariespackage.extra,
9805   name={\tstidxstyoptfmt{extra}},
9806   parent={testidvglossariespackage},
9807   category={packageoption},
9808   description={load the \glshyperlink{glossariesextrapackage} package}
9809 }
9810
9811 @index{packages.testidvglossariespackage.extra,
9812   name={\tstidxstyoptfmt{extra}},
9813   parent={packages.testidvglossariespackage},
9814   category={packageoption},
9815   description={load the \glshyperlink{glossariesextrapackage} package}
9816 }
9817
9818 @index{testidvglossariespackage.noextra,
9819   name={\tstidxstyoptfmt{noextra}},
9820   parent={testidvglossariespackage},
9821   category={packageoption},
9822   description={don't load the \glshyperlink{glossariesextrapackage}
9823 package (only load \glshyperlink{glossariespackage})}
9824 }
9825
9826 @index{packages.testidvglossariespackage.noextra,
9827   name={\tstidxstyoptfmt{noextra}},

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9828 parent={packages.testidvglossariespackage},
9829 category={packageoption},
9830 description={don't load the \glshyperlink{glossariesextrapackage}
9831 package (only load \glshyperlink{glossariespackage})}
9832 }
9833
9834 @index{testidvglossariespackage.noseekey,
9835 name={\tstidxstyoptfmt{noseekey}},
9836 parent={testidvglossariespackage},
9837 category={packageoption},
9838 description={don't use the \tstidxqt{see} key to implement the cross-referencing
9839 \glshyperlink{cs.glssee} instead)}
9840 }
9841
9842 @index{packages.testidvglossariespackage.noseekey,
9843 name={\tstidxstyoptfmt{noseekey}},
9844 parent={packages.testidvglossariespackage},
9845 category={packageoption},
9846 description={don't use the \tstidxqt{see} key to implement the cross-referencing
9847 \glshyperlink{cs.glssee} instead)}
9848 }
9849
9850 @index{testidvglossariespackage.seekey,
9851 name={\tstidxstyoptfmt{seekey}},
9852 parent={testidvglossariespackage},
9853 category={packageoption},
9854 description={use the \tstidxqt{see} key to implement the cross-referencing}
9855 }
9856
9857 @index{packages.testidvglossariespackage.seekey,
9858 name={\tstidxstyoptfmt{seekey}},
9859 parent={packages.testidvglossariespackage},
9860 category={packageoption},
9861 description={use the \tstidxqt{see} key to implement the cross-referencing}
9862 }
9863
9864 @index{testidvglossariespackage.xindy,
9865 name={\tstidxstyoptfmt{xindy}},
9866 parent={testidvglossariespackage},
9867 category={packageoption},
9868 description={set up the \glshyperlink{glossariespackage} package to use \glshyper
9869 as the indexing application}
9870 }
9871
9872 @index{packages.testidvglossariespackage.xindy,
9873 name={\tstidxstyoptfmt{xindy}},
9874 parent={packages.testidvglossariespackage},
9875 category={packageoption},
9876 description={set up the \glshyperlink{glossariespackage} package to use \glshyper

```

```

9877 as the indexing application}
9878 }
9879
9880 @index{testidxglossariespackage.tex,
9881   name={\tstidxstyoptfmt{tex}},
9882   parent={testidxglossariespackage},
9883   category={packageoption},
9884   description={set up the \glshyperlink{glossariespackage} package to use \TeX\ to
9885 sort and collate the entries}
9886 }
9887
9888 @index{packages.testidxglossariespackage.tex,
9889   name={\tstidxstyoptfmt{tex}},
9890   parent={packages.testidxglossariespackage},
9891   category={packageoption},
9892   description={set up the \glshyperlink{glossariespackage} package to use \TeX\ to
9893 sort and collate the entries}
9894 }
9895
9896 @index{testidxglossariespackage.bib2gls,
9897   name={\tstidxstyoptfmt{bib2gls}},
9898   parent={testidxglossariespackage},
9899   category={packageoption},
9900   description={set up the \glshyperlink{glossariesextrapackage} package to use
9901 \glshyperlink{bib2gls} as the indexing application}
9902 }
9903
9904 @index{packages.testidxglossariespackage.bib2gls,
9905   name={\tstidxstyoptfmt{bib2gls}},
9906   parent={packages.testidxglossariespackage},
9907   category={packageoption},
9908   description={set up the \glshyperlink{glossariesextrapackage} package to use
9909 \glshyperlink{bib2gls} as the indexing application}
9910 }
9911
9912 @index{testidxglossariespackage.noglsnumbers,
9913   name={\tstidxstyoptfmt{noglsnumbers}},
9914   parent={testidxglossariespackage},
9915   category={packageoption},
9916   description={pass the \tstidxstyoptfmt{glsnumbers=false} option to the
9917 \glshyperlink{glossariespackage} package}
9918 }
9919
9920 @index{packages.testidxglossariespackage.noglsnumbers,
9921   name={\tstidxstyoptfmt{noglsnumbers}},
9922   parent={packages.testidxglossariespackage},
9923   category={packageoption},
9924   description={pass the \tstidxstyoptfmt{glsnumbers=false} option to the
9925 \glshyperlink{glossariespackage} package}

```

```

9926 }
9927
9928 @index{testidxglossariespackage.glsnumbers,
9929   name={\tstidxstyoptfmt{glsnumbers}},
9930   parent={testidxglossariespackage},
9931   category={packageoption},
9932   description={pass the \tstidxstyoptfmt{glsnumbers=true} option to the
9933 \glshyperlink{glossariespackage} package}
9934 }
9935
9936 @index{packages.testidxglossariespackage.glsnumbers,
9937   name={\tstidxstyoptfmt{glsnumbers}},
9938   parent={packages.testidxglossariespackage},
9939   category={packageoption},
9940   description={pass the \tstidxstyoptfmt{glsnumbers=true} option to the
9941 \glshyperlink{glossariespackage} package}
9942 }
9943
9944 @index{testidxglossariespackage.verbose,
9945   name={\tstidxstyoptfmt{verbose}},
9946   parent={testidxglossariespackage},
9947   category={packageoption},
9948   description={write information about the test entries in the transcript file}
9949 }
9950
9951 @index{packages.testidxglossariespackage.verbose,
9952   name={\tstidxstyoptfmt{verbose}},
9953   parent={packages.testidxglossariespackage},
9954   category={packageoption},
9955   description={write information about the test entries in the transcript file}
9956 }
9957
9958 @index{testidxglossariespackage.noverbose,
9959   name={\tstidxstyoptfmt{noverbose}},
9960   parent={testidxglossariespackage},
9961   category={packageoption},
9962   description={don't write information about the test entries in the transcript fil
9963 }
9964
9965 @index{packages.testidxglossariespackage.noverbose,
9966   name={\tstidxstyoptfmt{noverbose}},
9967   parent={packages.testidxglossariespackage},
9968   category={packageoption},
9969   description={don't write information about the test entries in the transcript fil
9970 }
9971
9972 @index{testidxglossariespackage.desc,
9973   name={\tstidxstyoptfmt{desc}},
9974   parent={testidxglossariespackage},

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9975 category={packageoption},
9976 description={add descriptions to the dummy entries}
9977 }
9978
9979 @index{packages.testidvglossariespackage.desc,
9980 name={\tstidxstyoptfmt{desc}},
9981 parent={packages.testidvglossariespackage},
9982 category={packageoption},
9983 description={add descriptions to the dummy entries}
9984 }
9985
9986 @index{testidvpackage.hidemarks,
9987 name={\tstidxstyoptfmt{hidemarks}},
9988 parent={testidvpackage},
9989 category={packageoption},
9990 description={hide the marks showing where the indexing is occurring}
9991 }
9992
9993 @index{packages.testidvpackage.hidemarks,
9994 name={\tstidxstyoptfmt{hidemarks}},
9995 parent={packages.testidvpackage},
9996 category={packageoption},
9997 description={hide the marks showing where the indexing is occurring}
9998 }
9999
10000 @index{testidvpackage.showmarks,
10001 name={\tstidxstyoptfmt{showmarks}},
10002 parent={testidvpackage},
10003 category={packageoption},
10004 description={mark where the indexing is occurring}
10005 }
10006
10007 @index{packages.testidvpackage.showmarks,
10008 name={\tstidxstyoptfmt{showmarks}},
10009 parent={packages.testidvpackage},
10010 category={packageoption},
10011 description={mark where the indexing is occurring}
10012 }
10013
10014 @index{testidvpackage.notestencaps,
10015 name={\tstidxstyoptfmt{notestencaps}},
10016 parent={testidvpackage},
10017 category={packageoption},
10018 description={don't use the test encaps}
10019 }
10020
10021 @index{packages.testidvpackage.notestencaps,
10022 name={\tstidxstyoptfmt{notestencaps}},
10023 parent={packages.testidvpackage},

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```

10024 category={packageoption},
10025 description={don't use the test encaps}
10026 }
10027
10028 @index{testidxpackage.verbose,
10029 name={\tstidxstyoptfmt{verbose}},
10030 parent={testidxpackage},
10031 category={packageoption},
10032 description={show the index commands in the document text}
10033 }
10034
10035 @index{packages.testidxpackage.verbose,
10036 name={\tstidxstyoptfmt{verbose}},
10037 parent={packages.testidxpackage},
10038 category={packageoption},
10039 description={show the index commands in the document text}
10040 }
10041
10042 @index{testidxpackage.noverbose,
10043 name={\tstidxstyoptfmt{noverbose}},
10044 parent={testidxpackage},
10045 category={packageoption},
10046 description={don't show the index commands in the document text}
10047 }
10048
10049 @index{packages.testidxpackage.noverbose,
10050 name={\tstidxstyoptfmt{noverbose}},
10051 parent={packages.testidxpackage},
10052 category={packageoption},
10053 description={don't show the index commands in the document text}
10054 }
10055
10056 @index{testidxpackage.digraphs,
10057 name={\tstidxstyoptfmt{digraphs}},
10058 parent={testidxpackage},
10059 category={packageoption},
10060 description={use glyphs instead of the two-character digraphs for certain words}
10061 }
10062
10063 @index{packages.testidxpackage.digraphs,
10064 name={\tstidxstyoptfmt{digraphs}},
10065 parent={packages.testidxpackage},
10066 category={packageoption},
10067 description={use glyphs instead of the two-character digraphs for certain words}
10068 }
10069
10070 @index{testidxpackage.german,
10071 name={\tstidxstyoptfmt{german}},
10072 parent={testidxpackage},

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```

10073 category={packageoption},
10074 description={change the \glshyperlink{makeindex} quote character to allow the
10075 double-quote character to indicate an umlaut}
10076 }
10077
10078 @index{packages.testidpackage.german,
10079 name={\tstidxstyoptfmt{german}},
10080 parent={packages.testidpackage},
10081 category={packageoption},
10082 description={change the \glshyperlink{makeindex} quote character to allow the
10083 double-quote character to indicate an umlaut}
10084 }
10085
10086 @index{testidpackage.ngerman,
10087 name={\tstidxstyoptfmt{ngerman}},
10088 parent={testidpackage},
10089 category={packageoption},
10090 description={change the \glshyperlink{makeindex} quote character to allow the
10091 double-quote character to indicate an umlaut}
10092 }
10093
10094 @index{packages.testidpackage.ngerman,
10095 name={\tstidxstyoptfmt{ngerman}},
10096 parent={packages.testidpackage},
10097 category={packageoption},
10098 description={change the \glshyperlink{makeindex} quote character to allow the
10099 double-quote character to indicate an umlaut}
10100 }
10101
10102 @index{testidpackage.sanitize,
10103 name={\tstidxstyoptfmt{sanitize}},
10104 parent={testidpackage},
10105 category={packageoption},
10106 description={sanitize the sort value before passing it to the indexing command}
10107 }
10108
10109 @index{packages.testidpackage.sanitize,
10110 name={\tstidxstyoptfmt{sanitize}},
10111 parent={packages.testidpackage},
10112 category={packageoption},
10113 description={sanitize the sort value before passing it to the indexing command}
10114 }
10115
10116 @index{testidpackage.sanitize,
10117 name={\tstidxstyoptfmt{sanitize}},
10118 parent={testidpackage},
10119 category={packageoption},
10120 description={sanitize the sort value}
10121 }

```

```

10122
10123 @index{packages.testidvglossariespackage.sanitize,
10124   name={\tstidxstyoptfmt{sanitize}},
10125   parent={packages.testidvglossariespackage},
10126   category={packageoption},
10127   description={sanitize the sort value}
10128 }
10129
10130 @index{testidvpackage.nosanitize,
10131   name={\tstidxstyoptfmt{nosanitize}},
10132   parent={testidvpackage},
10133   category={packageoption},
10134   description={don't sanitize the sort value before passing it to the indexing comm
10135 }
10136
10137 @index{packages.testidvpackage.nosanitize,
10138   name={\tstidxstyoptfmt{nosanitize}},
10139   parent={packages.testidvpackage},
10140   category={packageoption},
10141   description={don't sanitize the sort value before passing it to the indexing comm
10142 }
10143
10144 @index{testidvglossariespackage.nosanitize,
10145   name={\tstidxstyoptfmt{nosanitize}},
10146   parent={testidvglossariespackage},
10147   category={packageoption},
10148   description={don't sanitize the sort value}
10149 }
10150
10151 @index{packages.testidvglossariespackage.nosanitize,
10152   name={\tstidxstyoptfmt{nosanitize}},
10153   parent={packages.testidvglossariespackage},
10154   category={packageoption},
10155   description={don't sanitize the sort value}
10156 }
10157
10158 @index{testidvpackage.prefix,
10159   name={\tstidxstyoptfmt{prefix}},
10160   parent={testidvpackage},
10161   category={packageoption},
10162   description={insert a prefix before the sort value for certain symbols}
10163 }
10164
10165 @index{packages.testidvpackage.prefix,
10166   name={\tstidxstyoptfmt{prefix}},
10167   parent={packages.testidvpackage},
10168   category={packageoption},
10169   description={insert a prefix before the sort value for certain symbols}
10170 }

```



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10171
10172 @index{testidxpackage.noprefix,
10173   name={\tstidxstyoptfmt{noprefix}},
10174   parent={testidxpackage},
10175   category={packageoption},
10176   description={don't insert a prefix before the sort value for certain symbols}
10177 }
10178
10179 @index{packages.testidxpackage.noprefix,
10180   name={\tstidxstyoptfmt{noprefix}},
10181   parent={packages.testidxpackage},
10182   category={packageoption},
10183   description={don't insert a prefix before the sort value for certain symbols}
10184 }
10185
10186 @index{testidxpackage.nostripaccents,
10187   name={\tstidxstyoptfmt{nostripaccents}},
10188   parent={testidxpackage},
10189   category={packageoption},
10190   description={don't strip accent commands from the sort value in
10191 ASCII mode}
10192 }
10193
10194 @index{packages.testidxpackage.nostripaccents,
10195   name={\tstidxstyoptfmt{nostripaccents}},
10196   parent={packages.testidxpackage},
10197   category={packageoption},
10198   description={don't strip accent commands from the sort value in
10199 ASCII mode}
10200 }
10201
10202 @index{testidxpackage.stripaccents,
10203   name={\tstidxstyoptfmt{stripaccents}},
10204   parent={testidxpackage},
10205   category={packageoption},
10206   description={strip accent commands from the sort value in
10207 ASCII mode}
10208 }
10209
10210 @index{packages.testidxpackage.stripaccents,
10211   name={\tstidxstyoptfmt{stripaccents}},
10212   parent={packages.testidxpackage},
10213   category={packageoption},
10214   description={strip accent commands from the sort value in
10215 ASCII mode}
10216 }
10217
10218 @index{testidxglossariespackage.nostripaccents,
10219   name={\tstidxstyoptfmt{nostripaccents}},

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10220 parent={testidvglossariespackage},
10221 category={packageoption},
10222 description={don't strip accent commands from the sort value in
10223 ASCII mode}
10224 }
10225
10226 @index{packages.testidvglossariespackage.nostripaccents,
10227 name={\tstidxstyoptfmt{nostripaccents}},
10228 parent={packages.testidvglossariespackage},
10229 category={packageoption},
10230 description={don't strip accent commands from the sort value in
10231 ASCII mode}
10232 }
10233
10234 @index{testidvglossariespackage.stripaccents,
10235 name={\tstidxstyoptfmt{stripaccents}},
10236 parent={testidvglossariespackage},
10237 category={packageoption},
10238 description={strip accent commands from the sort value in
10239 ASCII mode}
10240 }
10241
10242 @index{packages.testidvglossariespackage.stripaccents,
10243 name={\tstidxstyoptfmt{stripaccents}},
10244 parent={packages.testidvglossariespackage},
10245 category={packageoption},
10246 description={strip accent commands from the sort value in
10247 ASCII mode}
10248 }
10249
10250 @index{hyperrefpackage.hidelinks,
10251 name={\tstidxstyoptfmt{hidelinks}},
10252 parent={hyperrefpackage},
10253 category={packageoption},
10254 description={don't use a visual effect to show the hyperlinks}
10255 }
10256
10257 @index{packages.hyperrefpackage.hidelinks,
10258 name={\tstidxstyoptfmt{hidelinks}},
10259 parent={packages.hyperrefpackage},
10260 category={packageoption},
10261 description={don't use a visual effect to show the hyperlinks}
10262 }
10263
10264 @index{fontencpackage.T1,
10265 name={\tstidxstyoptfmt{T1}},
10266 parent={fontencpackage},
10267 category={packageoption},
10268 description={set the font encoding to T1}

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```

10269 }
10270
10271 @index{packages.fontencpackage.T1,
10272   name={\tstidxstyoptfmt{T1}},
10273   parent={packages.fontencpackage},
10274   category={packageoption},
10275   description={set the font encoding to T1}
10276 }
10277
10278 @index{theindexenvironment,
10279   name={\tstidxenvfmt{theindex} environment},
10280   text={\tstidxenvfmt{theindex}},
10281   category={environment},
10282   description={environment used to display an index}
10283 }
10284
10285 @index{alignenvironment,
10286   name={\tstidxenvfmt{align} environment},
10287   text={\tstidxenvfmt{align}},
10288   category={environment},
10289   description={environment provided by the
10290 \glshyperlink{amsmathpackage} package to align equations}
10291 }
10292
10293 @index{eqnarrayenvironment,
10294   name={\tstidxenvfmt{eqnarray} environment},
10295   text={\tstidxenvfmt{eqnarray}},
10296   category={environment},
10297   description={environment provided by the \LaTeX\ kernel to align equations}
10298 }
10299
10300 @index{bib2gls,
10301   name={\tstidxappfmt{bib2gls}},
10302   category={application},
10303   description={an indexing application designed
10304 to work with the \glshyperlink{glossariesextrapackage} package}
10305 }
10306
10307 @index{applications.bib2gls,
10308   name={\tstidxappfmt{bib2gls}},
10309   parent={applications},
10310   category={application},
10311   description={an indexing application designed
10312 to work with the \glshyperlink{glossariesextrapackage} package}
10313 }
10314
10315 @index{makeindex,
10316   name={\tstidxappfmt{makeindex}},
10317   category={application},

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10318 description={an indexing application}
10319 }
10320
10321 @index{applications.makeindex,
10322 name={\tstidxappfmt{makeindex}},
10323 parent={applications},
10324 category={application},
10325 description={an indexing application}
10326 }
10327
10328 @index{xindy,
10329 name={\tstidxappfmt{xindy}},
10330 category={application},
10331 description={a highly-configurable indexing application with
10332 localisation support}
10333 }
10334
10335 @index{applications.xindy,
10336 name={\tstidxappfmt{xindy}},
10337 parent={applications},
10338 category={application},
10339 description={a highly-configurable indexing application with
10340 localisation support}
10341 }
10342
10343 @index{texdoc,
10344 name={\tstidxappfmt{texdoc}},
10345 category={application},
10346 description={an application for viewing documentation
10347 installed in a \TeX\ distribution}
10348 }
10349
10350 @index{applications.texdoc,
10351 name={\tstidxappfmt{texdoc}},
10352 parent={applications},
10353 category={application},
10354 description={an application for viewing documentation
10355 installed in a \TeX\ distribution}
10356 }
10357
10358 @index{arara,
10359 name={\tstidxappfmt{arara}},
10360 category={application},
10361 description={an automation tool for building documents}
10362 }
10363
10364 @index{applications.arara,
10365 name={\tstidxappfmt{arara}},
10366 parent={applications},

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```

10367 category={application},
10368 description={an automation tool for building documents}
10369 }
10370
10371 @index{Perl,
10372   name={\tstidxappfmt{Perl}},
10373   category={application},
10374   description={a scripting language}
10375 }
10376
10377 @index{applications.Pperl,
10378   name={\tstidxappfmt{Perl}},
10379   parent={applications},
10380   category={application},
10381   description={a scripting language}
10382 }
10383
10384 @index{makeglossaries,
10385   name={\tstidxappfmt{makeglossaries}},
10386   category={application},
10387   description={a Perl script provided with the
10388 \glshyperlink{glossariespackage} package that automatically runs
10389 either \glshyperlink{makeindex} or \glshyperlink{xindy}
10390 according to the document settings}
10391 }
10392
10393 @index{applications.makeglossaries,
10394   name={\tstidxappfmt{makeglossaries}},
10395   parent={applications},
10396   category={application},
10397   description={a Perl script provided with the
10398 \glshyperlink{glossariespackage} package that automatically runs
10399 either \glshyperlink{makeindex} or \glshyperlink{xindy}
10400 according to the document settings}
10401 }
10402
10403 @index{makeglossarieslite,
10404   name={\tstidxappfmt{makeglossaries-lite}},
10405   category={application},
10406   description={a light-weight Lua alternative to \glshyperlink{makeglossaries}}
10407 }
10408
10409 @index{applications.makeglossarieslite,
10410   name={\tstidxappfmt{makeglossaries-lite}},
10411   parent={applications},
10412   category={application},
10413   description={a light-weight Lua alternative to \glshyperlink{makeglossaries}}
10414 }
10415

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10416 @index{Emacs,
10417   name={\tstidxappfmt{Emacs}},
10418   category={application},
10419   description={a text editor}
10420 }
10421
10422 @index{applications.Emacs,
10423   name={\tstidxappfmt{Emacs}},
10424   parent={applications},
10425   category={application},
10426   description={a text editor}
10427 }
10428
10429 @index{Vi,
10430   name={\tstidxappfmt{Vi}},
10431   category={application},
10432   description={a text editor}
10433 }
10434
10435 @index{applications.Vi,
10436   name={\tstidxappfmt{Vi}},
10437   parent={applications},
10438   category={application},
10439   description={a text editor}
10440 }
10441
10442 @index{xindy.Lswedish,
10443   name={\tstidxappoptfmt{-L swedish}},
10444   parent={xindy},
10445   category={applicationoption},
10446   description={use the Swedish language module}
10447 }
10448
10449 @index{applications.xindy.Lswedish,
10450   name={\tstidxappoptfmt{-L swedish}},
10451   parent={applications.xindy},
10452   category={applicationoption},
10453   description={use the Swedish language module}
10454 }
10455
10456 @index{Lswedish.xindyoption,
10457   name={\tstidxappoptfmt{-L swedish} (\tstidxappfmt{xindy})},
10458   category={applicationoption},
10459   description={use the Swedish language module}
10460 }
10461
10462 @index{xindy.Ldanish,
10463   name={\tstidxappoptfmt{-L danish}},
10464   parent={xindy},

```

```

10465 category={applicationoption},
10466 description={use the Danish language module}
10467 }
10468
10469 @index{applications.xindy.Ldanish,
10470 name={\tstidxappoptfmt{-L danish}},
10471 parent={applications.xindy},
10472 category={applicationoption},
10473 description={use the Danish language module}
10474 }
10475
10476 @index{Ldanish.xindyoption,
10477 name={\tstidxappoptfmt{-L danish} (\tstidxappfmt{xindy})},
10478 category={applicationoption},
10479 description={use the Danish language module}
10480 }
10481
10482 @index{xindy.Lpolish,
10483 name={\tstidxappoptfmt{-L polish}},
10484 parent={xindy},
10485 category={applicationoption},
10486 description={use the Polish language module}
10487 }
10488
10489 @index{applications.xindy.Lpolish,
10490 name={\tstidxappoptfmt{-L polish}},
10491 parent={applications.xindy},
10492 category={applicationoption},
10493 description={use the Polish language module}
10494 }
10495
10496 @index{Lpolish.xindyoption,
10497 name={\tstidxappoptfmt{-L polish} (\tstidxappfmt{xindy})},
10498 category={applicationoption},
10499 description={use the Polish language module}
10500 }
10501
10502 @index{xindy.Licelandic,
10503 name={\tstidxappoptfmt{-L icelandic}},
10504 parent={xindy},
10505 category={applicationoption},
10506 description={use the Icelandic language module}
10507 }
10508
10509 @index{applications.xindy.Licelandic,
10510 name={\tstidxappoptfmt{-L icelandic}},
10511 parent={applications.xindy},
10512 category={applicationoption},
10513 description={use the Icelandic language module}

```

```

10514 }
10515
10516 @index{Licelandic.xindyoption,
10517   name={\tstidxappoptfmt{-L icelandic} (\tstidxappfmt{xindy})},
10518   category={applicationoption},
10519   description={use the Icelandic language module}
10520 }
10521
10522 @index{xindy.Lgermanduden,
10523   name={\tstidxappoptfmt{-L german-duden}},
10524   parent={xindy},
10525   category={applicationoption},
10526   description={use the German language module with the duden setting}
10527 }
10528
10529 @index{applications.xindy.Lgermanduden,
10530   name={\tstidxappoptfmt{-L german-duden}},
10531   parent={applications.xindy},
10532   category={applicationoption},
10533   description={use the German language module with the duden setting}
10534 }
10535
10536 @index{Lgermanduden.xindyoption,
10537   name={\tstidxappoptfmt{-L german-duden} (\tstidxappfmt{xindy})},
10538   category={applicationoption},
10539   description={use the German language module with the duden setting}
10540 }
10541
10542 @index{xindy.Lgermandin5007,
10543   name={\tstidxappoptfmt{-L german-din5007}},
10544   parent={xindy},
10545   category={applicationoption},
10546   description={use the German language module with the din5007 setting}
10547 }
10548
10549 @index{applications.xindy.Lgermandin5007,
10550   name={\tstidxappoptfmt{-L german-din5007}},
10551   parent={applications.xindy},
10552   category={applicationoption},
10553   description={use the German language module with the din5007 setting}
10554 }
10555
10556 @index{Lgermandin5007.xindyoption,
10557   name={\tstidxappoptfmt{-L german-din5007} (\tstidxappfmt{xindy})},
10558   category={applicationoption},
10559   description={use the German language module with the din5007 setting}
10560 }
10561
10562 @index{xindy.Mord/letorder,

```



```

10563 name={\tstidxappoptfmt{-M ord/letorder}},
10564 parent={xindy},
10565 category={applicationoption},
10566 description={use the letter ordering module}
10567 }
10568
10569 @index{applications.xindy.Mord/letorder,
10570 name={\tstidxappoptfmt{-M ord/letorder}},
10571 parent={applications.xindy},
10572 category={applicationoption},
10573 description={use the letter ordering module}
10574 }
10575
10576 @index{Mord/letorder.xindyoption,
10577 name={\tstidxappoptfmt{-M ord/letorder} (\tstidxappfmt{xindy})},
10578 category={applicationoption},
10579 description={use the letter ordering module}
10580 }
10581
10582 @index{makeindex.g,
10583 name={\tstidxappoptfmt{-g}},
10584 parent={makeindex},
10585 category={applicationoption},
10586 description={use the German setting that
10587 recognises the double-quote character as an umlaut command}
10588 }
10589
10590 @index{applications.makeindex.g,
10591 name={\tstidxappoptfmt{-g}},
10592 parent={applications.makeindex},
10593 category={applicationoption},
10594 description={use the German setting that
10595 recognises the double-quote character as an umlaut command}
10596 }
10597
10598 @index{g.makeindexoption,
10599 name={\tstidxappoptfmt{-g} (\tstidxappfmt{makeindex})},
10600 category={applicationoption},
10601 description={use the German setting that
10602 recognises the double-quote character as an umlaut command}
10603 }
10604
10605 @index{makeindex.l,
10606 name={\tstidxappoptfmt{-l}},
10607 parent={makeindex},
10608 category={applicationoption},
10609 description={use letter ordering}
10610 }
10611

```

```

10612 @index{applications.makeindex.l,
10613   name={\tstidxappoptfmt{-l}},
10614   parent={applications.makeindex},
10615   category={applicationoption},
10616   description={use letter ordering}
10617 }
10618
10619 @index{l.makeindexoption,
10620   name={\tstidxappoptfmt{-l} (\tstidxappfmt{makeindex})},
10621   category={applicationoption},
10622   description={use letter ordering}
10623 }
10624
10625 @index{tstidxencapi,
10626   name={\texttt{tstidxencapi} (\tstidxcsfmt{tstidxencapi})},
10627   text={\texttt{tstidxencapi}},
10628   category={encapcsn},
10629   description={first test encap}
10630 }
10631
10632 @index{encap.tstidxencapi,
10633   name={\texttt{tstidxencapi}},
10634   parent={encap},
10635   category={encapcsn},
10636   description={first test encap}
10637 }
10638
10639 @index{tstidxencapii,
10640   name={\texttt{tstidxencapii} (\tstidxcsfmt{tstidxencapii})},
10641   text={\texttt{tstidxencapii}},
10642   category={encapcsn},
10643   description={second test encap}
10644 }
10645
10646 @index{encap.tstidxencapii,
10647   name={\texttt{tstidxencapii}},
10648   parent={encap},
10649   category={encapcsn},
10650   description={second test encap}
10651 }
10652
10653 @index{tstidxencapiii,
10654   name={\texttt{tstidxencapiii} (\tstidxcsfmt{tstidxencapiii})},
10655   text={\texttt{tstidxencapiii}},
10656   category={encapcsn},
10657   description={third test encap}
10658 }
10659
10660 @index{encap.tstidxencapiii,

```

```

10661 name={\texttt{tstidxencapiii}},
10662 parent={encap},
10663 category={encapcsn},
10664 description={third test encap}
10665 }
10666
10667 @index{cs.index,
10668 name={\tstidxcsfmt{index}},
10669 category={cs},
10670 description={write information to the external index file
10671 that will be processed by an indexing application (defined by the
10672 \LaTeX\ kernel)}
10673 }
10674
10675 @index{cs.testidx,
10676 name={\tstidxcsfmt{testidx}},
10677 category={cs},
10678 description={produce the dummy text (defined in the
10679 \glshyperlink{testidxpackage} package)}
10680 }
10681
10682 @index{cs.tstidxtoidx,
10683 name={\tstidxcsfmt{tstidxtoidx}},
10684 category={cs},
10685 description={switch back to the original definitions
10686 provided by the base \glshyperlink{testidxpackage} package (defined
10687 in the \glshyperlink{testidxglossariespackage} package)}
10688 }
10689
10690 @index{cs.gls,
10691 name={\tstidxcsfmt{gls}},
10692 category={cs},
10693 description={reference a term defined by the
10694 \glshyperlink{glossariespackage} package (displays text and performs
10695 indexing)}
10696 }
10697
10698 @index{cs.glspl,
10699 name={\tstidxcsfmt{glspl}},
10700 category={cs},
10701 description={as \glshyperlink{cs.gls} but displays the
10702 plural form}
10703 }
10704
10705 @index{cs.glsadd,
10706 name={\tstidxcsfmt{glsadd}},
10707 category={cs},
10708 description={indexes a term defined by the
10709 \glshyperlink{glossariespackage} package (but doesn't display any

```

```

10710 text) }
10711 }
10712
10713 @index{cs.glssee,
10714   name={\tstidxcsfmt{glssee}},
10715   category={cs},
10716   description={indexes a cross-referenced term or terms defined by the
10717 \glshyperlink{glossariespackage} package (but doesn't display any
10718 text) }
10719 }
10720
10721 @index{cs.glsxtrindexseealso,
10722   name={\tstidxcsfmt{glsxtrindexseealso}},
10723   category={cs},
10724   description={indexes a \tstidxqt{see also} cross-referenced term
10725 or terms
10726 defined by the
10727 \glshyperlink{glossariesextrapackage} package (but doesn't display
10728 any text) }
10729 }
10730
10731 @index{cs.glshyperlink,
10732   name={\tstidxcsfmt{glshyperlink}},
10733   category={cs},
10734   description={displays the text associated with a
10735 term (with a hyperlink if enabled) but doesn't perform
10736 any indexing (defined by the \glshyperlink{glossariespackage}
10737 package) }
10738 }
10739
10740 @index{cs.setglossarystyle,
10741   name={\tstidxcsfmt{setglossarystyle}},
10742   category={cs},
10743   description={sets the glossary style
10744 (defined by the \glshyperlink{glossariespackage} package) }
10745 }
10746
10747 @index{cs.tstidxfootnote,
10748   name={\tstidxcsfmt{tstidxfootnote}},
10749   category={cs},
10750   description={produces a footnote
10751 (defined by the \glshyperlink{testidpackage} package) }
10752 }
10753
10754 @index{cs.footnote,
10755   name={\tstidxcsfmt{footnote}},
10756   category={cs},
10757   description={produces a footnote
10758 (defined by the \LaTeX\ kernel) }

```

```

10759 }
10760
10761 @index{cs.tstidxtext,
10762   name={\tstidxcsfmt{tstidxtext}},
10763   category={cs},
10764   description={used to mark the sample text being indexed
10765 (defined by the \glshyperlink{testidpackage} package)}
10766 }
10767
10768 @index{cs.textcolor,
10769   name={\tstidxcsfmt{textcolor}},
10770   category={cs},
10771   description={displays the given text in the given colour
10772 (a colour package is required to enable this command)}
10773 }
10774
10775 @index{cs.glstreenamefmt,
10776   name={\tstidxcsfmt{glstreenamefmt}},
10777   category={cs},
10778   description={used to set the font for
10779 the name field in the tree-like glossary styles}
10780 }
10781
10782 @index{cs.tstindex,
10783   name={\tstidxcsfmt{tstindex}},
10784   category={cs},
10785   description={used to index the sample text
10786 for the base \glshyperlink{testidpackage} package (not for the
10787 \glshyperlink{testidglossariespackage} package)}
10788 }
10789
10790 @index{cs.GlsAddXdyAttribute,
10791   name={\tstidxcsfmt{GlsAddXdyAttribute}},
10792   category={cs},
10793   description={adds a \glshyperlink{xindy}
10794 attribute (provided by the \glshyperlink{glossariespackage} package)}
10795 }
10796
10797 @index{cs.delimN,
10798   name={\tstidxcsfmt{delimN}},
10799   category={cs},
10800   description={page number separator used in the
10801 \glshyperlink{locationlist} (provided by the \glshyperlink{glossariespackage} packa
10802 }
10803
10804 @index{cs.delimR,
10805   name={\tstidxcsfmt{delimR}},
10806   category={cs},
10807   description={page range separator used in the

```

```

10808 \glshyperlink{locationlist} (provided by the \glshyperlink{glossariespackage} packa
10809 }
10810
10811 @index{cs.IeC,
10812   name={\tstidxcsfmt{IeC}},
10813   category={cs},
10814   description={used internally by the \glshyperlink{inputencpackage}
10815 package}
10816 }
10817
10818 @index{cs.tstidxindexmarkerprefix,
10819   name={\tstidxcsfmt{tstidxindexmarkerprefix}},
10820   category={cs},
10821   description={prefix used in the
10822 sort key for markers if the \tstidxstyoptfmt{prefix}
10823 option is used (but not with the \tstidxstyoptfmt{bib2gls}
10824 option)}
10825 }
10826
10827 @index{cs.tstidxindexmathsymprefix,
10828   name={\tstidxcsfmt{tstidxindexmathsymprefix}},
10829   category={cs},
10830   description={prefix used in the
10831 sort key for mathematical symbols if the \tstidxstyoptfmt{prefix}
10832 option is used (but not with the \tstidxstyoptfmt{bib2gls}
10833 option)}
10834 }
10835
10836 @index{cs.tstidxmakegloss,
10837   name={\tstidxcsfmt{tstidxmakegloss}},
10838   category={cs},
10839   description={command used to load
10840 the files containing the sample glossary definitions
10841 and also use the appropriate command to initialise the indexing,
10842 depending on the package options}
10843 }
10844

```

## Change History

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<code>\tstidx@range:new</code> .....	90	<code>\tstidxnewutfperson:new</code> .....	119
<code>\tstidx@seealso:new</code> .....	96	<code>\tstidxnewutfphrase:new</code> .....	123
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