

The `latexbug` package*

The L^AT_EX Team

2017/10/12

This file is maintained by the L^AT_EX Project team.
Bug reports can be opened (category `latex`) at
<http://latex-project.org/bugs.html>.

1 Introduction

Software has bugs and L^AT_EX unfortunately is no exception. If somebody encounters a bug then it helps if that bug gets reported to the right people so that the bug can be resolved (or a workaround documented or whatever is most appropriate). The problem is to know to whom to report the bug.

The L^AT_EX Project Team maintains a bug database for its own code base (which consists of the L^AT_EX kernel and some packages that have been written by people in the L^AT_EX Project Team). However, the L^AT_EX universe consists of several thousand contributed packages maintained by individuals all over the world. And if a bug happens in one of those packages it doesn't help anybody if it is dumped at the L^AT_EX Project's doorstep.

For one, we can't actually change other people's code even if we are able to identify the issue. Furthermore we are only a few people and simply do not have the bandwidth to analyse bugs in other people's work.

We have therefore written this little package called `latexbug` that should help in identifying the rightful addressee for a bug report. We ask that it will be loaded in any test file that is intended to be sent to the L^AT_EX bug database as part of a bug report.

The package will determine if the test file is in a suitable state to be sent to us or if it should be modified first or if it should be sent to somebody else because the bug is (likely) to be in code not maintained by the L^AT_EX Project Team.

Bug reports sent to the L^AT_EX bug database without that prior verification are likely to get closed without being looked at at our end in the future.

*This file has version number v1.0d, last revised 2017/10/12.

2 The user interface

The user interface is simple: the package has no option and doesn't define any new commands to be used. All that is required is that the package is loaded as the very first step in the test file that shows the bug — in other words before the `\documentclass`. For that reason it must be loaded using `\RequirePackage` instead of the usual `\usepackage` that is used in the preamble of a document.

Thus, a bug report test files should look like this:

```
\RequirePackage{latexbug}      % <- required first line
                                %   followed by:
\documentclass{article}       % or some other class
                                %   followed by:
...                            % <- code showing the bug ...
\end{document}
```

If the test file runs through (showing the bug) without any complains for `latexbug` then the test file is ready to be sent to the L^AT_EX bug database at

<https://www.latex-project.org/bugs/>

If `latexbug` does generate an error, however, then this error needs to be addressed first and the depending on the resolution the bug report may has to be sent to somebody else.

An error is generated if the test file makes use of third-party code that is not maintained by the L^AT_EX Project Team. For example, if the file would load `geometry`, `footmisc` and `hyperref` you would see the following:

```
Package latexbug Error: Third-party file(s)
(latexbug)
(latexbug)          This test file uses third-party file(s)
(latexbug)
(latexbug)          =====
(latexbug)          geometry.sty -> Hideo Umeki
(latexbug)          <latexgeometry [at] gmail [dot] com>
(latexbug)          footmisc.sty
(latexbug)          hyperref.sty -> Heiko Oberdiek
(latexbug)          https://github.com/ho-tex/hyperref/issues
(latexbug)          =====
(latexbug)
```

It then continues with advice to remove such third-party code from the test file. If that is not possible, because the bug goes away if a package is removed, then the problem is (most likely) with this package and the bug report should be sent to the maintainer of that package and not to the L^AT_EX bug database.

```
(latexbug)          So you should contact the authors
(latexbug)          of these files, not the LaTeX Team!
```

```
(latexbug)                (Or remove the packages that load
(latexbug)                them, if they are not necessary to
(latexbug)                exhibit the problem).
```

To make life somewhat easier `latexbug` will tell you the name of the maintainer (if we know it and have added it in) and if possible also the canonical bug address for the package (like in the case of `geometry` and `hyperref`). If we don't have that information, you need to find it out for yourself by looking at the package documentation.

There may be cases where third-party code is essential to exhibit a bug in core L^AT_EX code maintained by the the L^AT_EX Team. The error text therefore finishes off with the following sentence:

```
(latexbug)                If you think the bug is in core LaTeX
(latexbug)                (as maintained by the LaTeX Team) but
(latexbug)                these files are needed to demonstrate
(latexbug)                the problem, please continue and mention
(latexbug)                this explicitly in your bug report.
```

Please explain your reasoning why you think this is the case in detail as part of the bug report.

*Thank you for taking the time to report a bug and
prepare a test file showing it!*

2.1 A note on the database content in the package

When a document is run through L^AT_EX it will load a number of files and bug reports that are to be sent to the L^AT_EX Team should only load files that we maintain and not third-party packages.

The database, if you want to call that, inside `latexbug` is simply comma separated a key value list consisting of file names = maintainer info. Most of the time the maintainer info is `us` or `us*` (meaning we maintain it, so the file is fine) or `ignore` (meaning we do not maintain it, but it is a file that is likely to appear for one or the other reason and we should accept such a bug report nonetheless).

Any file loaded in the bug report not listed will show up in the error listing flagged as “third-party” code that should be removed as explained above.

For a small number of popular third-party packages we have collected the name of the external maintainer and if available to us some extra info so that it is easier to send to the rightful addressee if you encounter a bug in such a third-party package. But to keep this manageable this is only done for a very small number of the 5000+ packages out there (though we might add one or the other over time).

It is however not impossible that we missed one or the other file that should have been listed as “maintained by us” but isn’t and thus incorrectly generates an error. If you run into that problem or notice an omission of that sort, please send us a bug report or open an issue at the GitHub source of the package which is located at:

<https://github.com/latex3/latexbug/>

3 The documentation driver file

The next bit of code contains the documentation driver file for T_EX, i.e., the file that will produce the documentation you are currently reading. It will be extracted from this file by the docstrip program.

```

1 <*driver>
2 \RequirePackage{latexbug}
3 \documentclass{ltxdoc}
4 \GetFileInfo{latexbug.sty}
5 %\usepackage{geometry,footmisc,hyperref} % uncomment for latexbug error
6 %\usepackage{xparse} % uncomment for latexbug error
7 \EnableCrossrefs
8 %\DisableCrossrefs % Say \DisableCrossrefs if index is ready
9
10 %\OnlyDescription % Comment out for implementation details
11 \begin{document}
12 \DocInput{latexbug.dtx}
13 \end{document}
14 </driver>

```

4 The implementation

```

15 <*package>
16 \NeedsTeXFormat{LaTeX2e}
17 \ProvidesPackage{latexbug}[2017/10/12 v1.0d Bug-classification]

```

\latexbug@empty Fixed text used in checking what actions to take with different files.

```

18 \def\latexbug@empty{}
19 \def\latexbug@us{us}
20 \def\latexbug@usstar{us*}
21 \def\latexbug@ignore{ignore}

```

\Contact A very simple piece of markup, really.

```

22 \def\Contact{\MessageBreak \@spaces}

```

The database of packages is set up in a group so we can throw away the loop command.

```

23 \begingroup

```

`\latexbug@loop` A simple loop set up which reads a known format for the file-to-maintainer mapping. The trailing space is important (stripping it is not really worth it for this very limited use case).

```
24 \long\def\latexbug@loop #1 = #2 , {% spaces matter
25   \global\@namedef{\latexbug@@#1}{#2}%
26   \ifx\latexbug@empty#1\else\expandafter\latexbug@loop\fi}
```

A simple database of files. The value `us` means we accept bugs for it. We also take bug reports for `us*` entries, but they need to go to GitHub so are handled separately (and only show up if there doesn't seem to be anything else to pick up). A value of `ignore` means that its not our code, but we understand that it may show up in legitimate test files and should therefore not trigger an error.

Any file not in there will trigger an error if loaded and any file in there with some other value than `us` or `ignore` will also trigger an error displaying the value (which hopefully is the maintainers name). (Handling for `us*` means these files may not show up, depending on the nature of the use case.)

The database format is somewhat fragile: one needs to have a space on both sides of the equal sign (or one gets a nasty low-level error) and names can't have no-ascii characters in them, so they end up crippled (sorry for that).

```
27 \latexbug@loop
28 %-----
29 latexbug.sty = us ,
30 regression-test = us ,
31 %----- base
32 alltt.sty = us ,
33 ansinew.def = us ,
34 applemac.def = us ,
35 article.cls = us ,
36 article.sty = us ,
37 ascii.def = us ,
38 bezier.sty = us ,
39 bk10.clo = us ,
40 bk11.clo = us ,
41 bk12.clo = us ,
42 book.cls = us ,
43 book.sty = us ,
44 cp1250.def = us ,
45 cp1252.def = us ,
46 cp1257.def = us ,
47 cp437.def = us ,
48 cp437de.def = us ,
49 cp850.def = us ,
50 cp852.def = us ,
51 cp858.def = us ,
52 cp865.def = us ,
53 decmulti.def = us ,
```

54 doc.sty = us ,
55 docstrip.tex = us ,
56 exscale.sty = us ,
57 fix-cm.sty = us ,
58 fixltx2e.sty = us ,
59 flafter.sty = us ,
60 fleqn.clo = us ,
61 fleqn.sty = us ,
62 fltrace.sty = us ,
63 fontenc.sty = us ,
64 fontmath.cfg = us ,
65 fontmath.ltx = us ,
66 fonttext.cfg = us ,
67 fonttext.ltx = us ,
68 graphpap.sty = us ,
69 hyphen.ltx = us ,
70 idx.tex = us ,
71 ifthen.sty = us ,
72 inputenc.sty = us ,
73 lablst.tex = us ,
74 latex.ltx = us ,
75 latex209.def = us ,
76 latexbug.tex = us ,
77 latexrelease.sty = us ,
78 latexsym.sty = us ,
79 latin1.def = us ,
80 latin10.def = us ,
81 latin2.def = us ,
82 latin3.def = us ,
83 latin4.def = us ,
84 latin5.def = us ,
85 latin9.def = us ,
86 lcyenc.dfu = us ,
87 leqno.clo = us ,
88 leqno.sty = us ,
89 letter.cls = us ,
90 letter.sty = us ,
91 lppl.tex = us ,
92 ltluatex.lua = us ,
93 ltluatex.tex = us ,
94 ltnews.cls = us ,
95 ltxcheck.tex = us ,
96 ltxdoc.cls = us ,
97 ltxguide.cls = us ,
98 ly1enc.dfu = us ,
99 macce.def = us ,
100 makeidx.sty = us ,
101 minimal.cls = us ,
102 newlfont.sty = us ,
103 next.def = us ,

104 nfssfont.tex = us ,
105 oldlfont.sty = us ,
106 omlcmm.fd = us ,
107 omlcmr.fd = us ,
108 omlenc.def = us ,
109 omllcmm.fd = us ,
110 omscmr.fd = us ,
111 omscmsy.fd = us ,
112 omsenc.def = us ,
113 omsenc.dfu = us ,
114 omslcmsy.fd = us ,
115 omxcmex.fd = us ,
116 omxlcex.fd = us ,
117 openbib.sty = us ,
118 ot1cmdh.fd = us ,
119 ot1cmfib.fd = us ,
120 ot1cmfr.fd = us ,
121 ot1cmr.fd = us ,
122 ot1cmss.fd = us ,
123 ot1cmtt.fd = us ,
124 ot1cmvtt.fd = us ,
125 ot1enc.def = us ,
126 ot1enc.dfu = us ,
127 ot1lcmss.fd = us ,
128 ot1lcmtt.fd = us ,
129 ot2enc.dfu = us ,
130 ot4enc.def = us ,
131 preload.cfg = us ,
132 preload.ltx = us ,
133 proc.cls = us ,
134 proc.sty = us ,
135 report.cls = us ,
136 report.sty = us ,
137 sample2e.tex = us ,
138 sfonts.def = us ,
139 shortvrb.sty = us ,
140 showidx.sty = us ,
141 size10.clo = us ,
142 size11.clo = us ,
143 size12.clo = us ,
144 slides.cls = us ,
145 slides.def = us ,
146 slides.sty = us ,
147 small2e.tex = us ,
148 source2e.tex = us ,
149 syntonly.sty = us ,
150 t1cmdh.fd = us ,
151 t1cmfib.fd = us ,
152 t1cmfr.fd = us ,
153 t1cmr.fd = us ,

```

154 t1cmss.fd = us ,
155 t1cmtt.fd = us ,
156 t1cmvtt.fd = us ,
157 t1enc.def = us ,
158 t1enc.dfu = us ,
159 t1enc.sty = us ,
160 t1lcmss.fd = us ,
161 t1lcmtt.fd = us ,
162 t2aenc.dfu = us ,
163 t2benc.dfu = us ,
164 t2cenc.dfu = us ,
165 testpage.tex = us ,
166 texsys.cfg = us ,
167 textcomp.sty = us ,
168 tracefmt.sty = us ,
169 ts1cmr.fd = us ,
170 ts1cmss.fd = us ,
171 ts1cmtt.fd = us ,
172 ts1cmvtt.fd = us ,
173 ts1enc.def = us ,
174 ts1enc.dfu = us ,
175 ucmr.fd = us ,
176 ucmss.fd = us ,
177 ucmtt.fd = us ,
178 ulasy.fd = us ,
179 ullasy.fd = us ,
180 utf8-test.tex = us ,
181 utf8.def = us ,
182 utf8enc.dfu = us ,
183 utf8test.tex = us ,
184 x2enc.dfu = us ,
185 %----- tools
186 afterpage.sty = us ,
187 array.sty = us ,
188 bm.sty = us ,
189 calc.sty = us ,
190 dcolumn.sty = us ,
191 delarray.sty = us ,
192 e.tex = us ,
193 enumerate.sty = us ,
194 fontsmpl.sty = us ,
195 fontsmpl.tex = us ,
196 fttright.sty = us ,
197 h.tex = us ,
198 hhline.sty = us ,
199 indentfirst.sty = us ,
200 layout.sty = us ,
201 longtable.sty = us ,
202 multicol.sty = us ,
203 q.tex = us ,

```

```

204 r.tex = us ,
205 rawfonts.sty = us ,
206 s.tex = us ,
207 showkeys.sty = us ,
208 somedefs.sty = us ,
209 tabularx.sty = us ,
210 thb.sty = us ,
211 thc.sty = us ,
212 thcb.sty = us ,
213 theorem.sty = us ,
214 thm.sty = us ,
215 thmb.sty = us ,
216 thp.sty = us ,
217 trace.sty = us ,
218 varioref.sty = us ,
219 verbatim.sty = us ,
220 verbttest.tex = us ,
221 x.tex = us ,
222 xr.sty = us ,
223 xspace.sty = us ,
224 %----- babel (part supported by us)
225 UKenglish.sty = us ,
226 USenglish.sty = us ,
227 afrikaans.sty = us ,
228 albanian.sty = us ,
229 american.sty = us ,
230 austrian.sty = us ,
231 babel.def = us ,
232 babel.sty = us ,
233 bahasa.sty = us ,
234 bahasam.sty = us ,
235 basque.sty = us ,
236 blplain.tex = us ,
237 bplain.tex = us ,
238 breton.sty = us ,
239 british.sty = us ,
240 bulgarian.sty = us ,
241 catalan.sty = us ,
242 croatian.sty = us ,
243 czech.sty = us ,
244 danish.sty = us ,
245 dutch.sty = us ,
246 english.sty = us ,
247 esperanto.sty = us ,
248 estonian.sty = us ,
249 finnish.sty = us ,
250 francais.sty = us ,
251 galician.sty = us ,
252 germanb.sty = us ,
253 greek.sty = us ,

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```

254 hebrew.sty = us ,
255 hyphen.cfg = us ,
256 icelandic.sty = us ,
257 interlingua.sty = us ,
258 irish.sty = us ,
259 italian.sty = us ,
260 latin.sty = us ,
261 lsorbian.sty = us ,
262 luababel.def = us ,
263 magyar.sty = us ,
264 naustrian.sty = us ,
265 ngermanb.sty = us ,
266 nil.ldf = us ,
267 norsk.sty = us ,
268 plain.def = us ,
269 polish.sty = us ,
270 portuges.sty = us ,
271 romanian.sty = us ,
272 russianb.sty = us ,
273 samin.sty = us ,
274 scottish.sty = us ,
275 serbian.sty = us ,
276 slovak.sty = us ,
277 slovene.sty = us ,
278 spanish.sty = us ,
279 swedish.sty = us ,
280 switch.def = us ,
281 turkish.sty = us ,
282 ukraineb.sty = us ,
283 usorbian.sty = us ,
284 welsh.sty = us ,
285 xebabel.def = us ,
286 %----- graphics
287 color.cfg = us ,
288 color.sty = us ,
289 dvipdf.def = us ,
290 dvipdfmx.def = us ,
291 dvips.def = us ,
292 dvipsnam.def = us ,
293 dvipsone.def = us ,
294 dviwin.def = us ,
295 emtex.def = us ,
296 epsfig.sty = us ,
297 graphics.cfg = us ,
298 graphics.sty = us ,
299 graphicx.sty = us ,
300 keyval.sty = us ,
301 lscape.sty = us ,
302 luatex.def = us ,
303 pctex32.def = us ,

```

```

304 pctxhp.def = us ,
305 pctxps.def = us ,
306 pctxwin.def = us ,
307 pdftex.def = us ,
308 pdftex.def = us ,
309 tcidvi.def = us ,
310 trig.sty = us ,
311 truetex.def = us ,
312 xetex.def = us ,
313 %----- mfnfss
314 oldgerm.sty = us ,
315 ot1panr.fd = us ,
316 ot1pss.fd = us ,
317 pandora.sty = us ,
318 uyfrak.fd = us ,
319 uygoth.fd = us ,
320 uyinit.fd = us ,
321 uyswab.fd = us ,
322 %----- amsmath
323 amsbsy.sty = us ,
324 amscd.sty = us ,
325 amsgen.sty = us ,
326 amsmath.sty = us ,
327 amsopn.sty = us ,
328 amstex.sty = us ,
329 amstext.sty = us ,
330 amsxtra.sty = us ,
331 %----- amsccls (us?)
332 amsart.cls = us ,
333 amsbook.cls = us ,
334 amsbooka.sty = us ,
335 amstdx.cls = us ,
336 amsldoc.cls = us ,
337 amsmidx.sty = us ,
338 amsproc.cls = us ,
339 amsthm.sty = us ,
340 upref.sty = us ,
341 %----- amsfnts (us?)
342 amsfnts.sty = us ,
343 amssymb.sty = us ,
344 cmmib57.sty = us ,
345 eucal.sty = us ,
346 eufrak.sty = us ,
347 euscript.sty = us ,
348 ueuex.fd = us ,
349 ueuf.fd = us ,
350 ueur.fd = us ,
351 ueus.fd = us ,
352 umsa.fd = us ,
353 umsb.fd = us ,

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```
354 %----- psnfss
355 8rbch.fd = us ,
356 8rpag.fd = us ,
357 8rpbk.fd = us ,
358 8rPCR.fd = us ,
359 8rphv.fd = us ,
360 8rpnc.fd = us ,
361 8rppl.fd = us ,
362 8rptm.fd = us ,
363 8rput.fd = us ,
364 8rpzc.fd = us ,
365 avant.sty = us ,
366 bookman.sty = us ,
367 chancery.sty = us ,
368 charter.sty = us ,
369 courier.sty = us ,
370 helvet.sty = us ,
371 mathpazo.sty = us ,
372 mathpple.sty = us ,
373 mathptm.sty = us ,
374 mathptmx.sty = us ,
375 newcent.sty = us ,
376 omlbch.fd = us ,
377 omlpag.fd = us ,
378 omlpbk.fd = us ,
379 omlPCR.fd = us ,
380 omlphv.fd = us ,
381 omlpnc.fd = us ,
382 omlppl.fd = us ,
383 omlptm.fd = us ,
384 omlptmcm.fd = us ,
385 omlput.fd = us ,
386 omlpzc.fd = us ,
387 omlzplm.fd = us ,
388 omlzpple.fd = us ,
389 omlztnmcm.fd = us ,
390 omsbch.fd = us ,
391 omspag.fd = us ,
392 omspbk.fd = us ,
393 omsPCR.fd = us ,
394 omsphv.fd = us ,
395 omspnc.fd = us ,
396 omsppl.fd = us ,
397 omsptm.fd = us ,
398 omsput.fd = us ,
399 omspzc.fd = us ,
400 omspzccm.fd = us ,
401 omszplm.fd = us ,
402 omszpple.fd = us ,
403 omsztnmcm.fd = us ,
```

404 omxpsycm.fd = us ,
405 omxzplm.fd = us ,
406 omxzpple.fd = us ,
407 omxztmcm.fd = us ,
408 ot1bch.fd = us ,
409 ot1pag.fd = us ,
410 ot1pbk.fd = us ,
411 ot1pcr.fd = us ,
412 ot1phv.fd = us ,
413 ot1pnc.fd = us ,
414 ot1ppl.fd = us ,
415 ot1pplj.fd = us ,
416 ot1pplx.fd = us ,
417 ot1ptm.fd = us ,
418 ot1ptmcm.fd = us ,
419 ot1put.fd = us ,
420 ot1pzc.fd = us ,
421 ot1zplm.fd = us ,
422 ot1zpple.fd = us ,
423 ot1ztmcm.fd = us ,
424 palatino.sty = us ,
425 pifont.sty = us ,
426 t1bch.fd = us ,
427 t1pag.fd = us ,
428 t1pbk.fd = us ,
429 t1pcr.fd = us ,
430 t1phv.fd = us ,
431 t1pnc.fd = us ,
432 t1ppl.fd = us ,
433 t1pplj.fd = us ,
434 t1pplx.fd = us ,
435 t1ptm.fd = us ,
436 t1put.fd = us ,
437 t1pzc.fd = us ,
438 times.sty = us ,
439 ts1bch.fd = us ,
440 ts1pag.fd = us ,
441 ts1pbk.fd = us ,
442 ts1pcr.fd = us ,
443 ts1phv.fd = us ,
444 ts1pnc.fd = us ,
445 ts1ppl.fd = us ,
446 ts1pplj.fd = us ,
447 ts1pplx.fd = us ,
448 ts1ptm.fd = us ,
449 ts1put.fd = us ,
450 ts1pzc.fd = us ,
451 ufplm.fd = us ,
452 ufplmbb.fd = us ,
453 upsy.fd = us ,

```

454 upzd.fd = us ,
455 utopia.sty = us ,
456 %----- expl3
457 expl3.sty = us* ,
458 l3sort.sty = us* ,
459 l3regex.sty = us* ,
460 l3tl-analysis.sty = us* ,
461 xfrac.sty = us* ,
462 xparse.sty = us* ,
463 xtemplate.sty = us* ,
464 xfrac.sty = us* ,
465 xcoffins.sty = us* ,
466 xgalley.sty = us* ,
467 l3keys2e.sty = us* ,
468 expl3-code.tex = ignore ,
469 %----- USEFUL FOR BUG REPORTS
470 blindtext.sty = ignore ,
471 etoolbox.sty = ignore ,
472 lipsum.sty = ignore ,
473 %----- EXTERNALLY SUPPORTED
474 %
475 beamer.cls = Joseph Wright
476 \Contact https://github.com/josephwright/beamer/issues ,
477 fontspec.sty = Will Robertson
478 \Contact https://github.com/wspr/fontspec/issues ,
479 geometry.sty = Hideo Umeki
480 \Contact <latexgeometry [at] gmail [dot] com> ,
481 hpdftex.def = ignore ,
482 hluatex.def = ignore ,
483 hxdetex.def = ignore ,
484 hyperref.cfg = ignore ,
485 hyperref.sty = Heiko Oberdiek
486 \Contact https://github.com/ho-tex/hyperref/issues ,
487 luatex85.sty = Joseph Wright
488 \Contact https://github.com/josephwright/luatex85/issues ,
489 pdlenc.def = ignore ,
490 puenc.def = ignore ,
491 siunitx.sty = Joseph Wright
492 \Contact https://github.com/josephwright/siunitx/issues ,
493 %----- babel external
494 basque.ldf = Juan M. Aguirregabiria
495 \Contact <http://tp.lc.ehu.es/jma.html> ,
496 belarusian.ldf = Aleksey Novodvorsky, Andrew Shadura
497 \Contact <andrew [at] shadura [dot] me> ,
498 bosnian.ldf = Samir Halilcevic %% Halilevi
499 \Contact <samir [dot] halilcevic [at] fet [dot] ba> ,
500 bulgarian.ldf = Georgi N. Boshnakov
501 \Contact <Georgi Boshnakov [at] manchester [dot] ac [dot] uk> ,
502 croatian.ldf = Ivan Kokan
503 \Contact <ivan [dot] kokan [at] gmail [dot] com> ,

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504 estonian.ldf = Jaan Vajakas
505 \Contact <jaanvajakas [at] hot [dot] ee> ,
506 frenchb.ldf = Daniel Flipo
507 \Contact <daniel [dot] flipo [at] free [dot] fr> ,
508 friulan.ldf = Claudio Beccari
509 \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
510 georgian.ldf = Levan Shoshiashvili
511 \Contact <shoshia [at] hotmail [dot] com> ,
512 austrian.ldf = Juergen Spitzmueller
513 \Contact <juergen [at] spitzmueller [dot] org> ,
514 german.ldf = Juergen Spitzmueller
515 \Contact <juergen [at] spitzmueller [dot] org> ,
516 germanb.ldf = Juergen Spitzmueller
517 \Contact <juergen [at] spitzmueller [dot] org> ,
518 naustrian.ldf = Juergen Spitzmueller
519 \Contact <juergen [at] spitzmueller [dot] org> ,
520 ngerman.ldf = Juergen Spitzmueller
521 \Contact <juergen [at] spitzmueller [dot] org> ,
522 ngermanb.ldf = Juergen Spitzmueller
523 \Contact <juergen [at] spitzmueller [dot] org> ,
524 nswissgerman.ldf = Juergen Spitzmueller
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526 swissgerman.ldf = Juergen Spitzmueller
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528 greek.ldf = Guenter Milde
529 \Contact <milde [at] users [dot] sf [dot] net> ,
530 magyar.ldf = Peter Szabo %% Pter Szab
531 \Contact <http://www.math.bme.hu/latex/> ,
532 italian.ldf = Claudio Beccari
533 \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
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536 latin.ldf = Claudio Beccari
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538 macedonian.ldf = Stojan Trajanovski
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540 occitan.ldf = Cedric Valmary %% Cdric Valmary
541 \Contact <cvalmary [at] yahoo [dot] fr> ,
542 piedmontese.ldf = Claudio Beccari
543 \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
544 pinyin.ldf = Werner Lemberg
545 \Contact <wl [at] gnu [dot] org> ,
546 romansh.ldf = Claudio Beccari
547 \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
548 russain.ldf = Igor A [dot] Kotelnikov
549 \Contact <kia999 [at] mail [dot] ru> ,
550 serbianc.ldf = Filip Brcic
551 \Contact <brcha [at] users [dot] sourceforge [dot] net> ,
552 spanglish.ldf = J [dot] Luis Rivera
553 \Contact <jlrn77 [at] gmail [dot] com> ,

```

554 spanish.ldf      = Javier Bezos
555                  \Contact <http://www.texnia.com/contact.html> ,
556 thaicjk.ldf     = Werner Lemberg
557                  \Contact <wl [at] gnu [dot] org> ,
558 ukraineb.ldf    = Sergiy Ponomarenko
559                  \Contact <sergiy [dot] ponomarenko [at] gmail [dot] com> ,
560 vietnamese.ldf  = Werner Lemberg
561                  \Contact <wl [at] gnu [dot] org> ,
562 %----- LAST LINE
563 {\latexbug@empty} = {} ,

```

Keep the data but throw away the loop function.

```
564 \endgroup
```

`\latexbug@addtofilelist` Save the kernel version of `\addtofilelist`.

```
565 \let\latexbug@addtofilelist\@addtofilelist
```

`\latexbug@zzzz` Storage for third-party files and those from the L^AT_EX3 set on GitHub.

```
\latexbug@expl 566 \def\latexbug@zzzz{}
```

```
567 \def\latexbug@expl{}
```

`\latexbug@process@table` A hook into a convenient place in the document set up: the initialisation of NFSS during the `\document` macro. If either `\latexbug@zzzz` or `\latexbug@expl` have any content then there is a message to issue, it's just a question of deciding which one.

```

568 \let\latexbug@process@table\process@table
569 \def\process@table{\global\let\@addtofilelist\latexbug@addtofilelist
570 \latexbug@process@table
571 \ifx\latexbug@zzzz\latexbug@empty
572 \ifx\latexbug@expl\latexbug@empty
573 \else
574 \PackageError{latexbug}%
575 {LaTeX3 file(s)\MessageBreak
576 \MessageBreak
577 This test files uses the LaTeX3 file(s)\MessageBreak
578 \MessageBreak
579 =====\MessageBreak
580 \latexbug@expl
581 =====\MessageBreak
582 \MessageBreak
583 You should report bugs in these packages\MessageBreak
584 at the LaTeX3 GitHub site,\MessageBreak
585 https://github.com/latex3/latex3/issues\MessageBreak
586 (Or remove them from your example,\MessageBreak
587 if they are not necessary to\MessageBreak
588 exhibit the problem).\MessageBreak
589 }{Please correct your test file prior
590 to submitting the bug report.\MessageBreak
591 Otherwise it is likely to be rejected!}%

```

```

592 \fi
593 \else
594 \PackageError{latexbug}%
595 {Third-party file(s)\MessageBreak
596 \MessageBreak
597 This test file uses third-party file(s)\MessageBreak
598 \MessageBreak
599 =====\MessageBreak
600 \latexbug@zzzz
601 =====\MessageBreak
602 \MessageBreak
603 So you should contact the authors\MessageBreak
604 of these files, not the LaTeX Team!\MessageBreak
605 (Or remove the packages that load\MessageBreak
606 them, if they are not necessary to\MessageBreak
607 exhibit the problem).\MessageBreak
608 \MessageBreak
609 If you think the bug is in core LaTeX\MessageBreak
610 (as maintained by the LaTeX Team) but\MessageBreak
611 these files are needed to demonstrate\MessageBreak
612 the problem, please continue and mention\MessageBreak
613 this explicitly in your bug report}{Please correct your test file prior
614 to submitting the bug report.\MessageBreak
615 Otherwise it is likely to be rejected!}%
616 \fi
617 }

```

`\@addtofilelist` First, a test to see if we are at the top level: there's no need to test dependencies
`\latexbug@iftoplevel` of packages. Assuming we are doing a check, the aim is to see if the current name
is known, and if it is whether it fits into one of our special cases. If it's one of
the L^AT_EX3 GitHub packages it gets recorded in a dedicated space. Third-party
package can also have information about where to report issues: this is all stored
for reporting later.

```

618 \def\@addtofilelist#1{%
619 % \show\@currnamestack
620 \expandafter\latexbug@iftoplevel\@currnamestack }\@nil
621 \begingroup
622 \xdef\latexbug@x{#1}% TODO: one-level sanitize
623 \expandafter
624 \ifx\csname latexbug@\@latexbug@x\endcsname\relax
625 \def\latexbug@y{}%
626 \else
627 \xdef\latexbug@y{\csname latexbug@\@latexbug@x\endcsname}%
628 \fi
629 \ifx\latexbug@y\latexbug@us\else
630 \ifx\latexbug@y\latexbug@usstar
631 \begingroup
632 \let\MessageBreak\relax
633 \xdef\latexbug@expl{%

```

```

634         \latexbug@expl\latexbug@x
635         \MessageBreak
636     }%
637 \endgroup
638 \else
639 \ifx\latexbug@y\latexbug@ignore\else
640     {\let\MessageBreak\relax
641         \xdef\latexbug@zzzz{\latexbug@zzzz\latexbug@x
642             \ifx\latexbug@y\latexbug@empty\else
643                 \space\space -> \space \latexbug@y\fi
644             \MessageBreak}}%
645     \fi
646 \fi
647 \fi
648 \endgroup
649 \fi
650 \latexbug@addtofilelist{#1}}
651 \def\latexbug@iftoplevel #1#2\@nil{%
652 \def\next{#1}%
653 \ifx\next\@empty
654 }
655 \endinput
656 \</package>

```