

The `latexbug` package*

The L^AT_EX Team

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This file is maintained by the L^AT_EX Project team.
Bug reports can be opened (category `latex`) at
<https://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 analyze 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.

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

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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. The procedure for uploading and the location is documented 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` and `footmisc` 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)          =====
(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`). 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
(latexbug)           (with an explanation why you think so).
```

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

It is also possible that `latexbug` doesn't generate an error, but issues a warning, that it has detected one or more packages, that have their own bug tracker. In that case the report should be made in the bug tracker of that package and not in the L^AT_EX 2_ε, even if it is a package that is mainted by us!

Other people look these bug tracker to search for known problems and thus it is best if yours is recorded in the right place. Such a warning will look like this (we use `hyperref` as an example):

```
Package latexbug Warning: Special bug tracker!
(latexbug)
(latexbug)           This test file uses the following file(s)
(latexbug)
(latexbug)           =====
(latexbug)           hyperref.sty -> Report at:
(latexbug)           https://github.com/latex3/hyperref/issues
(latexbug)           =====
(latexbug)
(latexbug)           Please note that these files have their own
(latexbug)           bug tracker and your issue should therefore
(latexbug)           be reported in the indicated repository.
(latexbug)
(latexbug)           If they are not necessary to exhibit the problem,
(latexbug)           remove them from your example and rerun it,
(latexbug)           otherwise report the issue in the listed repository.
(latexbug)
(latexbug)           If different repositories are listed, try to
(latexbug)           select the most appropriate one (but don't worry
(latexbug)           too much, if the choice is not clear to you).
```

*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 a comma separated key value list consisting of file names = maintainer info. Most of the time the maintainer info is `us` or `us*` (the star means we maintain it, but in some repository other than `latex2e` — either `latex3` (default) or some other we point to, 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 without giving any warning).

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 \TeX , 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 %\OnlyDescription % Comment out for implementation details
10 \begin{document}
11 \DocInput{latexbug.dtx}
12 \end{document}
13 </driver>

```

4 The implementation

```

14 <*package>
15 \NeedsTeXFormat{LaTeX2e}
16 \ProvidesPackage{latexbug}[2024/06/17 v1.0o Bug-classification]
\latexbug@empty Fixed text used in checking what actions to take with different files.
\latexbug@us 17 \def\latexbug@empty{}
\latexbug@ustar 18 \def\latexbug@us{us}
\latexbug@ignore 19 \def\latexbug@usstar{us*}

```

```
20 \def\latexbug@ignore{ignore}
```

\Contact A very simple piece of markup, really.

```
21 \def\Contact{\MessageBreak \@spaces}
```

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

```
22 \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).

```
23 \long\def\latexbug@loop #1 = #2 #3, {% spaces matter
24 \global\@namedef{latexbug@#1}{{#2}{#3}}%
25 \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*` (expl3 or other repositories we support) entries, but they need to go to a different GitHub repository, so are handled separately (and only show up if there are no third-party packages). For the `latex3/latex3` repository just write `us*`, for others one need to specify the full details, e.g.,

```
hyperref.sty = us*
\Contact https://github.com/latex3/hyperref/issues ,
```

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 and before the comma (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).

```
26 \latexbug@loop
27 %-----
28 latexbug.sty = us ,
29 regression-test = us ,
30 regression-test.tex = 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 atbegshi-ltx.sty = us ,
39 atveryend-ltx.sty = us ,
40 bezier.sty = us ,
41 bk10.clo = us ,
```

42 bk11.clo = us ,
43 bk12.clo = us ,
44 book.cls = us ,
45 book.sty = us ,
46 cp1250.def = us ,
47 cp1252.def = us ,
48 cp1257.def = us ,
49 cp437.def = us ,
50 cp437de.def = us ,
51 cp850.def = us ,
52 cp852.def = us ,
53 cp858.def = us ,
54 cp865.def = us ,
55 decmulti.def = us ,
56 doc-v3beta.sty = us ,
57 doc.sty = us ,
58 docstrip.tex = us ,
59 exscale.sty = us ,
60 fix-cm.sty = us ,
61 fixltx2e.sty = us ,
62 flafter.sty = us ,
63 fleqn.clo = us ,
64 fleqn.sty = us ,
65 fltrace.sty = us ,
66 fontenc.sty = us ,
67 fontmath.cfg = us ,
68 fontmath.ltx = us ,
69 fonttext.cfg = us ,
70 fonttext.ltx = us ,
71 graphpap.sty = us ,
72 hyphen.ltx = us ,
73 idx.tex = us ,
74 ifthen.sty = us ,
75 inputenc.sty = us ,
76 lablst.tex = us ,
77 latex.ltx = us ,
78 latex209.def = us ,
79 latexrelease.sty = us ,
80 latexsym.sty = us ,
81 latin1.def = us ,
82 latin10.def = us ,
83 latin2.def = us ,
84 latin3.def = us ,
85 latin4.def = us ,
86 latin5.def = us ,
87 latin9.def = us ,
88 lcyenc.dfu = us ,
89 leqno.clo = us ,
90 leqno.sty = us ,
91 letter.cls = us ,
92 letter.sty = us ,
93 lppl.tex = us ,
94 ltluatex.lua = us ,
95 ltluatex.lua = us ,

96 ltluatex.tex = us ,
97 ltluatex.tex = us ,
98 ltnews.cls = us ,
99 ltxcheck.tex = us ,
100 ltxdoc.cls = us ,
101 ltxdoc.cfg = us ,
102 ltxguide.cls = us ,
103 ly1enc.dfu = us ,
104 macce.def = us ,
105 makeidx.sty = us ,
106 minimal.cls = us ,
107 newlfont.sty = us ,
108 next.def = us ,
109 nfssfont.tex = us ,
110 oldlfont.sty = us ,
111 omlcmm.fd = us ,
112 omlcmr.fd = us ,
113 omlenc.def = us ,
114 omllcmm.fd = us ,
115 omscmr.fd = us ,
116 omscsy.fd = us ,
117 omsenc.def = us ,
118 omsenc.dfu = us ,
119 omslcsy.fd = us ,
120 omxcmex.fd = us ,
121 omxlcemex.fd = us ,
122 openbib.sty = us ,
123 ot1cmdh.fd = us ,
124 ot1cmfib.fd = us ,
125 ot1cmfr.fd = us ,
126 ot1cmr.fd = us ,
127 ot1cmss.fd = us ,
128 ot1cmtt.fd = us ,
129 ot1cmvtt.fd = us ,
130 ot1enc.def = us ,
131 ot1enc.dfu = us ,
132 ot1lcmss.fd = us ,
133 ot1lcmtt.fd = us ,
134 ot2enc.dfu = us ,
135 ot4enc.def = us ,
136 preload.cfg = us ,
137 preload.ltx = us ,
138 proc.cls = us ,
139 proc.sty = us ,
140 report.cls = us ,
141 report.sty = us ,
142 sample2e.tex = us ,
143 sfonts.def = us ,
144 shortvrb.sty = us ,
145 showidx.sty = us ,
146 size10.clo = us ,
147 size11.clo = us ,
148 size12.clo = us ,
149 slides.cls = us ,

```

150 slides.def = us ,
151 slides.sty = us ,
152 small2e.tex = us ,
153 source2e.tex = us ,
154 source2edoc.cls = us ,
155 structuredlog.sty = us ,
156 syntonly.sty = us ,
157 t1cmdh.fd = us ,
158 t1cmfib.fd = us ,
159 t1cmfr.fd = us ,
160 t1cmr.fd = us ,
161 t1cmss.fd = us ,
162 t1cmtt.fd = us ,
163 t1cmvtt.fd = us ,
164 t1enc.def = us ,
165 t1enc.dfu = us ,
166 t1enc.sty = us ,
167 t1lcmss.fd = us ,
168 t1lcmtt.fd = us ,
169 t2aenc.dfu = us ,
170 t2benc.dfu = us ,
171 t2cenc.dfu = us ,
172 testpage.tex = us ,
173 texsys.cfg = us ,
174 textcomp-2018-08-11.sty = us ,
175 textcomp.sty = us ,
176 tracefmt.sty = us ,
177 ts1cmr.fd = us ,
178 ts1cmss.fd = us ,
179 ts1cmtt.fd = us ,
180 ts1cmvtt.fd = us ,
181 ts1enc.def = us ,
182 ts1enc.dfu = us ,
183 tuenc.def = us ,
184 tulmdh.fd = us ,
185 tulmr.fd = us ,
186 tulmss.fd = us ,
187 tulmssq.fd = us ,
188 tulmtt.fd = us ,
189 tulmvtt.fd = us ,
190 ucmr.fd = us ,
191 ucmss.fd = us ,
192 ucmtt.fd = us ,
193 ulasy.fd = us ,
194 ullasy.fd = us ,
195 utf8-2018.def = us ,
196 utf8.def = us ,
197 utf8enc.dfu = us ,
198 x2enc.dfu = us ,
199 %----- tools
200 afterpage.sty = us ,
201 array-2016-10-06.sty = us ,
202 array-2020-02-10.sty = us ,
203 array.sty = us ,

```



```

204 bm.sty = us ,
205 calc.sty = us ,
206 dcolumn.sty = us ,
207 delarray.sty = us ,
208 e.tex = us ,
209 enumerate.sty = us ,
210 fontsmpl.sty = us ,
211 fontsmpl.tex = us ,
212 ftnright.sty = us ,
213 h.tex = us ,
214 hhline.sty = us ,
215 indentfirst.sty = us ,
216 layout.sty = us ,
217 longtable-2020-01-07.sty = us ,
218 longtable.sty = us ,
219 multicol-2017-04-11.sty = us ,
220 multicol.sty = us ,
221 q.tex = us ,
222 r.tex = us ,
223 rawfonts.sty = us ,
224 s.tex = us ,
225 shellesc.sty = us ,
226 showkeys.sty = us ,
227 somedefs.sty = us ,
228 tabularx.sty = us ,
229 thb.sty = us ,
230 thc.sty = us ,
231 thcb.sty = us ,
232 theorem.sty = us ,
233 thm.sty = us ,
234 thmb.sty = us ,
235 thp.sty = us ,
236 trace.sty = us ,
237 varioref-2016-02-16.sty = us ,
238 varioref.sty = us ,
239 verbatim.sty = us ,
240 verbttest.tex = us ,
241 x.tex = us ,
242 xr.sty = us ,
243 xspace.sty = us ,
244 %----- babel (locale files)
245 babel-slovenian.tex = ignore ,
246 babel-slovene.tex = ignore ,
247 babel-slovak.tex = ignore ,
248 babel-urdu.tex = ignore ,
249 babel-northernkurdish.tex = ignore ,
250 babel-kurmanji.tex = ignore ,
251 babel-northernkurdish-arabic.tex = ignore ,
252 babel-northernkurdish-arab.tex = ignore ,
253 babel-northernsami.tex = ignore ,
254 babel-samin.tex = ignore ,
255 babel-soga.tex = ignore ,
256 babel-swahili.tex = ignore ,
257 babel-chokeke.tex = ignore ,

```

258 babel-koyrachiini.tex = ignore ,
259 babel-kabyle.tex = ignore ,
260 babel-uyghur.tex = ignore ,
261 babel-kako.tex = ignore ,
262 babel-uzbek.tex = ignore ,
263 babel-uzbek-latn.tex = ignore ,
264 babel-uzbek-arabic.tex = ignore ,
265 babel-uzbek-cyrillic.tex = ignore ,
266 babel-uzbek-latin.tex = ignore ,
267 babel-uzbek-arab.tex = ignore ,
268 babel-uzbek-cyrl.tex = ignore ,
269 babel-polish.tex = ignore ,
270 babel-rombo.tex = ignore ,
271 babel-vietnam.tex = ignore ,
272 babel-vietnamese.tex = ignore ,
273 babel-masai.tex = ignore ,
274 babel-albanian.tex = ignore ,
275 babel-kamba.tex = ignore ,
276 babel-swedish.tex = ignore ,
277 babel-irish.tex = ignore ,
278 babel-hebrew.tex = ignore ,
279 babel-inarisami.tex = ignore ,
280 babel-malay.tex = ignore ,
281 babel-malay-singapore.tex = ignore ,
282 babel-malay-sg.tex = ignore ,
283 babel-malay-brunei.tex = ignore ,
284 babel-malay-bn.tex = ignore ,
285 babel-mazanderani.tex = ignore ,
286 babel-khmer.tex = ignore ,
287 babel-maltese.tex = ignore ,
288 babel-tasawaq.tex = ignore ,
289 babel-bemba.tex = ignore ,
290 babel-armenian.tex = ignore ,
291 babel-amharic.tex = ignore ,
292 babel-zarma.tex = ignore ,
293 babel-nynorsk.tex = ignore ,
294 babel-norwegiannorsk.tex = ignore ,
295 babel-belarusian.tex = ignore ,
296 babel-danish.tex = ignore ,
297 babel-kalaallisut.tex = ignore ,
298 babel-shambala.tex = ignore ,
299 babel-marathi.tex = ignore ,
300 babel-kazakh.tex = ignore ,
301 babel-norsk.tex = ignore ,
302 babel-norwegian.tex = ignore ,
303 babel-akan.tex = ignore ,
304 babel-kyrgyz.tex = ignore ,
305 babel-gujarati.tex = ignore ,
306 babel-samburu.tex = ignore ,
307 babel-dzongkha.tex = ignore ,
308 babel-malagasy.tex = ignore ,
309 babel-mongolian.tex = ignore ,
310 babel-cornish.tex = ignore ,
311 babel-walser.tex = ignore ,

312 babel-yangben.tex = ignore ,
313 babel-sangu.tex = ignore ,
314 babel-bambara.tex = ignore ,
315 babel-centralatlastamazight.tex = ignore ,
316 babel-ancientgreek.tex = ignore ,
317 babel-machame.tex = ignore ,
318 babel-sichuanyi.tex = ignore ,
319 babel-ewe.tex = ignore ,
320 babel-hawaiian.tex = ignore ,
321 babel-japanese.tex = ignore ,
322 babel-churchslavonic.tex = ignore ,
323 babel-churchslavic.tex = ignore ,
324 babel-churchslavic-cyrs.tex = ignore ,
325 babel-churchslavic-glagolitic.tex = ignore ,
326 babel-churchslavic-glag.tex = ignore ,
327 babel-churchslavic-oldcyrillic.tex = ignore ,
328 babel-polytonicgreek.tex = ignore ,
329 babel-greek.tex = ignore ,
330 babel-monotonicgreek.tex = ignore ,
331 babel-igbo.tex = ignore ,
332 babel-latvian.tex = ignore ,
333 babel-occitan.tex = ignore ,
334 babel-westernfrisian.tex = ignore ,
335 babel-luxembourgish.tex = ignore ,
336 babel-italian.tex = ignore ,
337 babel-oromo.tex = ignore ,
338 babel-catalan.tex = ignore ,
339 babel-icelandic.tex = ignore ,
340 babel-czech.tex = ignore ,
341 babel-interlingua.tex = ignore ,
342 babel-telugu.tex = ignore ,
343 babel-friulian.tex = ignore ,
344 babel-vai-latin.tex = ignore ,
345 babel-vai-vaii.tex = ignore ,
346 babel-vai.tex = ignore ,
347 babel-vai-latn.tex = ignore ,
348 babel-vai-vai.tex = ignore ,
349 babel-russian.tex = ignore ,
350 babel-turkmen.tex = ignore ,
351 babel-jolafonyi.tex = ignore ,
352 babel-rundi.tex = ignore ,
353 babel-konkani.tex = ignore ,
354 babel-piedmontese.tex = ignore ,
355 babel-standardmoroccantamazight.tex = ignore ,
356 babel-quechua.tex = ignore ,
357 babel-meru.tex = ignore ,
358 babel-nyankole.tex = ignore ,
359 babel-romanian-md.tex = ignore ,
360 babel-romanian-moldova.tex = ignore ,
361 babel-romanian.tex = ignore ,
362 babel-moldavian.tex = ignore ,
363 babel-luo.tex = ignore ,
364 babel-usorbian.tex = ignore ,
365 babel-uppersorbian.tex = ignore ,

366 babel-yoruba.tex = ignore ,
367 babel-syriac.tex = ignore ,
368 babel-makhuwameetto.tex = ignore ,
369 babel-northernluri.tex = ignore ,
370 babel-agem.tex = ignore ,
371 babel-meta.tex = ignore ,
372 babel-zulu.tex = ignore ,
373 babel-centralkurdish-latin.tex = ignore ,
374 babel-centralkurdish-latn.tex = ignore ,
375 babel-sorani.tex = ignore ,
376 babel-centralkurdish.tex = ignore ,
377 babel-cantonese.tex = ignore ,
378 babel-makonde.tex = ignore ,
379 babel-somali.tex = ignore ,
380 babel-sanskrit.tex = ignore ,
381 babel-sanskrit-telu.tex = ignore ,
382 babel-sanskrit-malayalam.tex = ignore ,
383 babel-sanskrit-devanagari.tex = ignore ,
384 babel-sanskrit-bengali.tex = ignore ,
385 babel-sanskrit-gujr.tex = ignore ,
386 babel-sanskrit-gujarati.tex = ignore ,
387 babel-sanskrit-deva.tex = ignore ,
388 babel-sanskrit-telugu.tex = ignore ,
389 babel-sanskrit-knda.tex = ignore ,
390 babel-sanskrit-beng.tex = ignore ,
391 babel-sanskrit-kannada.tex = ignore ,
392 babel-sanskrit-mlym.tex = ignore ,
393 babel-chiga.tex = ignore ,
394 babel-teso.tex = ignore ,
395 babel-yiddish.tex = ignore ,
396 babel-portuguese.tex = ignore ,
397 babel-brazilian.tex = ignore ,
398 babel-portuguese-portugal.tex = ignore ,
399 babel-portuguese-br.tex = ignore ,
400 babel-portuguese-brazil.tex = ignore ,
401 babel-portuguese-pt.tex = ignore ,
402 babel-pashto.tex = ignore ,
403 babel-embu.tex = ignore ,
404 babel-chinese-hans-mo.tex = ignore ,
405 babel-chinese-hant-hk.tex = ignore ,
406 babel-chinese-simplified.tex = ignore ,
407 babel-chinese-hans-hk.tex = ignore ,
408 babel-chinese-hant.tex = ignore ,
409 babel-chinese-simplified-singapore.tex = ignore ,
410 babel-chinese-simplified-hongkongsarchina.tex = ignore ,
411 babel-chinese-hans-sg.tex = ignore ,
412 babel-chinese-hans.tex = ignore ,
413 babel-chinese-traditional-macausarchina.tex = ignore ,
414 babel-chinese.tex = ignore ,
415 babel-chinese-hant-mo.tex = ignore ,
416 babel-chinese-traditional.tex = ignore ,
417 babel-chinese-simplified-macausarchina.tex = ignore ,
418 babel-chinese-traditional-hongkongsarchina.tex = ignore ,
419 babel-ukrainian.tex = ignore ,

420 babel-serbian-latn-me.tex = ignore ,
421 babel-serbian-latin-kosovo.tex = ignore ,
422 babel-serbian-latn.tex = ignore ,
423 babel-serbian-cyrl-me.tex = ignore ,
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1000 USenglish.sty = us ,
1001 afrikaans.sty = us ,
1002 albanian.sty = us ,
1003 american.sty = us ,
1004 austrian.sty = us ,
1005 babel.def = us ,
1006 babel.sty = us ,
1007 bahasa.sty = us ,
1008 bahasam.sty = us ,
1009 basque.sty = us ,
1010 blplain.tex = us ,
1011 bplain.tex = us ,
1012 breton.sty = us ,
1013 british.sty = us ,

```

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1014 bulgarian.sty = us ,
1015 catalan.sty = us ,
1016 croatian.sty = us ,
1017 czech.sty = us ,
1018 danish.sty = us ,
1019 dutch.sty = us ,
1020 english.sty = us ,
1021 esperanto.sty = us ,
1022 estonian.sty = us ,
1023 finnish.sty = us ,
1024 francais.sty = us ,
1025 galician.sty = us ,
1026 germanb.sty = us ,
1027 greek.sty = us ,
1028 hebrew.sty = us ,
1029 hyphen.cfg = us ,
1030 icelandic.sty = us ,
1031 interlingua.sty = us ,
1032 irish.sty = us ,
1033 italian.sty = us ,
1034 latin.sty = us ,
1035 lsorbian.sty = us ,
1036 luababel.def = us ,
1037 magyar.sty = us ,
1038 naustrian.sty = us ,
1039 ngermanb.sty = us ,
1040 nil.ldf = us ,
1041 norsk.sty = us ,
1042 plain.def = us ,
1043 polish.sty = us ,
1044 portuges.sty = us ,
1045 romanian.sty = us ,
1046 russianb.sty = us ,
1047 samin.sty = us ,
1048 scottish.sty = us ,
1049 serbian.sty = us ,
1050 slovak.sty = us ,
1051 slovene.sty = us ,
1052 spanish.sty = us ,
1053 swedish.sty = us ,
1054 switch.def = us ,
1055 turkish.sty = us ,
1056 ukraineb.sty = us ,
1057 usorbian.sty = us ,
1058 welsh.sty = us ,
1059 xebabel.def = us ,
1060 %----- graphics + graphics-def
1061 color.cfg = us ,
1062 color.sty = us ,
1063 dvipdf.def = us ,
1064 dvipdfmx.def = us ,
1065 dvips.def = us ,
1066 dvipsnam.def = us ,
1067 dvipsone.def = us ,

```



```

1068 dvisvgn.def = us ,
1069 dviwin.def = us ,
1070 emtex.def = us ,
1071 epsfig.sty = us ,
1072 graphics-2017-06-25.sty = us ,
1073 graphics.cfg = us ,
1074 graphics.sty = us ,
1075 graphicx.sty = us ,
1076 keyval.sty = us ,
1077 lscape.sty = us ,
1078 luatex.def = us ,
1079 mathcolor.ltx = us ,
1080 pctex32.def = us ,
1081 pctexhp.def = us ,
1082 pctexps.def = us ,
1083 pctexwin.def = us ,
1084 pdftex.def = us ,
1085 rotating.sty = us ,
1086 rotating.sty = us ,
1087 tcidvi.def = us ,
1088 trig.sty = us ,
1089 truetex.def = us ,
1090 xetex.def = us ,
1091 %----- mfnfss
1092 oldgerm.sty = us ,
1093 ot1panr.fd = us ,
1094 ot1pss.fd = us ,
1095 pandora.sty = us ,
1096 uyfrak.fd = us ,
1097 uygoth.fd = us ,
1098 uyinit.fd = us ,
1099 uyswab.fd = us ,
1100 %----- firstaid
1101 everysel-ltx.sty = us ,
1102 filehook-ltx.sty = us ,
1103 %----- amsmath
1104 amsbsy.sty = us ,
1105 amscd.sty = us ,
1106 amsgen.sty = us ,
1107 amsmath-2018-12-01.sty = us ,
1108 amsmath.sty = us ,
1109 amsopn.sty = us ,
1110 amstex.sty = us ,
1111 amstext.sty = us ,
1112 amsxtra.sty = us ,
1113 %----- amscs (AMS)
1114 amsart.cls = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1115 amsbook.cls = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1116 amsbooka.sty = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1117 amsdtx.cls = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1118 amsldoc.cls = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1119 amsmidx.sty = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1120 amsproc.cls = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1121 amsthm.sty = American Mathematical Society \Contact tech-support [at] ams [dot] org ,

```

```

1122 upref.sty = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1123 %----- amsfonts (AMS)
1124 amsfonts.sty = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1125 amssymb.sty = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1126 cmmib57.sty = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1127 eucal.sty = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1128 eufrak.sty = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1129 euscript.sty = American Mathematical Society \Contact tech-support [at] ams [dot] org ,
1130 ueuex.fd = ignore ,
1131 ueuf.fd = ignore ,
1132 ueur.fd = ignore ,
1133 ueus.fd = ignore ,
1134 umsa.fd = ignore ,
1135 umsb.fd = ignore ,
1136 %----- psnfss
1137 8rbch.fd = us ,
1138 8rpag.fd = us ,
1139 8rpbk.fd = us ,
1140 8rpcr.fd = us ,
1141 8rphv.fd = us ,
1142 8rpnc.fd = us ,
1143 8rppl.fd = us ,
1144 8rptm.fd = us ,
1145 8rput.fd = us ,
1146 8rpzc.fd = us ,
1147 avant.sty = us ,
1148 bookman.sty = us ,
1149 chancery.sty = us ,
1150 charter.sty = us ,
1151 courier.sty = us ,
1152 helvet.sty = us ,
1153 mathpazo.sty = us ,
1154 mathppl.sty = us ,
1155 mathptm.sty = us ,
1156 mathptmx.sty = us ,
1157 newcent.sty = us ,
1158 omlbch.fd = us ,
1159 omlpag.fd = us ,
1160 omlpbk.fd = us ,
1161 omlpcr.fd = us ,
1162 omlphv.fd = us ,
1163 omlpnc.fd = us ,
1164 omlppl.fd = us ,
1165 omlptm.fd = us ,
1166 omlptmcm.fd = us ,
1167 omlput.fd = us ,
1168 omlpzc.fd = us ,
1169 omlzplm.fd = us ,
1170 omlzpple.fd = us ,
1171 omlztmcm.fd = us ,
1172 omsbch.fd = us ,
1173 ompag.fd = us ,
1174 omspbk.fd = us ,
1175 omspcr.fd = us ,

```

1176 omsphv.fd = us ,
1177 omspnc.fd = us ,
1178 omsppl.fd = us ,
1179 omsptm.fd = us ,
1180 omsput.fd = us ,
1181 omspzc.fd = us ,
1182 omspzccm.fd = us ,
1183 omszplm.fd = us ,
1184 omszpple.fd = us ,
1185 omsztmcm.fd = us ,
1186 omxpsycm.fd = us ,
1187 omxzplm.fd = us ,
1188 omxzpple.fd = us ,
1189 omxztmcm.fd = us ,
1190 ot1bch.fd = us ,
1191 ot1pag.fd = us ,
1192 ot1pbk.fd = us ,
1193 ot1pcr.fd = us ,
1194 ot1phv.fd = us ,
1195 ot1pnc.fd = us ,
1196 ot1ppl.fd = us ,
1197 ot1pplj.fd = us ,
1198 ot1pplx.fd = us ,
1199 ot1ptm.fd = us ,
1200 ot1ptmcm.fd = us ,
1201 ot1put.fd = us ,
1202 ot1pzc.fd = us ,
1203 ot1zplm.fd = us ,
1204 ot1zpple.fd = us ,
1205 ot1ztmcm.fd = us ,
1206 palatino.sty = us ,
1207 pifont.sty = us ,
1208 t1bch.fd = us ,
1209 t1pag.fd = us ,
1210 t1pbk.fd = us ,
1211 t1pcr.fd = us ,
1212 t1phv.fd = us ,
1213 t1pnc.fd = us ,
1214 t1ppl.fd = us ,
1215 t1pplj.fd = us ,
1216 t1pplx.fd = us ,
1217 t1ptm.fd = us ,
1218 t1put.fd = us ,
1219 t1pzc.fd = us ,
1220 times.sty = us ,
1221 ts1bch.fd = us ,
1222 ts1pag.fd = us ,
1223 ts1pbk.fd = us ,
1224 ts1pcr.fd = us ,
1225 ts1phv.fd = us ,
1226 ts1pnc.fd = us ,
1227 ts1ppl.fd = us ,
1228 ts1pplj.fd = us ,
1229 ts1pplx.fd = us ,

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1230 ts1ptm.fd = us ,
1231 ts1put.fd = us ,
1232 ts1pzc.fd = us ,
1233 ufplm.fd = us ,
1234 ufplmbb.fd = us ,
1235 upsy.fd = us ,
1236 upzd.fd = us ,
1237 utopia.sty = us ,
1238 %----- l3experimental
1239 l3benchmark.sty = us* ,
1240 l3bitset.sty = us* ,
1241 l3draw.sty = us* ,
1242 l3graphics.sty = us* ,
1243 l3sys-shell.sty = us* ,
1244 %----- l3packages
1245 xparse-2018-04-12.sty = us* ,
1246 xparse-2020-10-01.sty = us* ,
1247 xparse-generic.tex = us* ,
1248 xparse.ltx = us* ,
1249 xfp.sty = us* ,
1250 %----- l3kernel / expl3
1251 expl3-code.tex = ignore ,
1252 expl3.ltx = ignore ,
1253 expl3.lua = us* ,
1254 expl3.sty = us* ,
1255 l3backend-dvipdfmx.def = ignore ,
1256 l3backend-dvips.def = ignore ,
1257 l3backend-dvisvgm.def = ignore ,
1258 l3backend-luatex.def = ignore ,
1259 l3backend-pdfmode.def = ignore ,      % -- old
1260 l3backend-pdftex.def = ignore ,
1261 l3backend-xdvipdfmx.def = ignore ,    % -- old
1262 l3backend-xetex.def = ignore ,
1263 l3debug.def = us* ,
1264 l3deprecation.def = ignore ,
1265 l3doc.cls = us* ,
1266 l3docstrip.tex = us ,
1267 l3keys2e.sty = us* ,
1268 l3str-enc-iso88591.def = us* ,
1269 l3str-enc-iso885910.def = us* ,
1270 l3str-enc-iso885911.def = us* ,
1271 l3str-enc-iso885913.def = us* ,
1272 l3str-enc-iso885914.def = us* ,
1273 l3str-enc-iso885915.def = us* ,
1274 l3str-enc-iso885916.def = us* ,
1275 l3str-enc-iso88592.def = us* ,
1276 l3str-enc-iso88593.def = us* ,
1277 l3str-enc-iso88594.def = us* ,
1278 l3str-enc-iso88595.def = us* ,
1279 l3str-enc-iso88596.def = us* ,
1280 l3str-enc-iso88597.def = us* ,
1281 l3str-enc-iso88598.def = us* ,
1282 l3str-enc-iso88599.def = us* ,
1283 xcoffins.sty = us* ,

```

```

1284 xgalley.sty = us* ,
1285 xparse.sty = us* ,
1286 xtemplate.sty = us* ,
1287 %----- TAGGING PROJECT
1288 pdfmanagement-testphase.sty = us*
1289         \Contact https://github.com/latex3/tagging-project/issues ,
1290 tagpdf.sty = us*
1291         \Contact https://github.com/latex3/tagging-project/issues ,
1292 documentmetadata-support.ltx = us*
1293         \Contact https://github.com/latex3/tagging-project/issues ,
1294 l3backend-testphase-luatex.def = ignore ,
1295 l3backend-testphase-pdftex.def = ignore ,
1296 l3backend-testphase-xetex.def = ignore ,
1297 latex-lab-amsmath.ltx = ignore ,
1298 latex-lab-footnotes.ltx = ignore ,
1299 latex-lab-math.ltx = ignore ,
1300 latex-lab-mathpkg.ltx = ignore ,
1301 latex-lab-mathtools.ltx = ignore ,
1302 latex-lab-testphase-bib.sty = ignore ,
1303 latex-lab-testphase-block.sty = ignore ,
1304 latex-lab-testphase-float.sty = ignore ,
1305 latex-lab-testphase-graphic.sty = ignore ,
1306 latex-lab-testphase-marginpar.sty = ignore ,
1307 latex-lab-testphase-math.sty = ignore ,
1308 latex-lab-testphase-minipage.sty = ignore ,
1309 latex-lab-testphase-new-or-1.sty = ignore ,
1310 latex-lab-testphase-new-or-2.sty = ignore ,
1311 latex-lab-testphase-sec.sty = ignore ,
1312 latex-lab-testphase-table.sty = ignore ,
1313 latex-lab-testphase-text.sty = ignore ,
1314 latex-lab-testphase-title.sty = ignore ,
1315 latex-lab-testphase-toc.sty = ignore ,
1316 math-latex-lab-testphase.ltx = ignore ,
1317 pdfmanagement-firstaid.sty = ignore ,
1318 pdfmanagement-testphase.ltx = ignore ,
1319 phase-II-latex-lab-testphase.ltx = ignore ,
1320 phase-III-latex-lab-testphase.ltx = ignore ,
1321 table-latex-lab-testphase.ltx = ignore ,
1322 tagpdf-luatex.def = ignore ,
1323 title-latex-lab-testphase.ltx = ignore ,
1324 %----- EXTERNAL PACKAGES SUPPORTED BY THE LaTeX Team
1325 hluatex.def = ignore ,
1326 hpdftex.def = ignore ,
1327 hxetex.def = ignore ,
1328 hypdoc.sty = us ,
1329 hyperref.cfg = ignore ,
1330 hyperref.sty = us*
1331         \Contact https://github.com/latex3/hyperref/issues ,
1332 hyperref-langpatches.def = ignore ,
1333 pdlenc.def = ignore ,
1334 puenc.def = ignore ,
1335 xcolor.sty = us*
1336         \Contact https://github.com/latex3/xcolor/issues ,
1337 %----- PACKAGES BY MEMBERS OF THE LaTeX Team with their own rep

```

1338 beamer.cls = Joseph Wright
1339 \Contact <https://github.com/josephwright/beamer/issues> ,
1340 dashundergaps.sty = Frank Mittelbach
1341 \Contact <https://github.com/FrankMittelbach/fmitex-dashundergaps/issues> ,
1342 parnotes.sty = Frank Mittelbach
1343 \Contact <https://github.com/FrankMittelbach/fmitex-parnotes> ,
1344 fewerfloatpages.sty = Frank Mittelbach
1345 \Contact <https://github.com/FrankMittelbach/fmitex-fewerfloatpages> ,
1346 fontspec.sty = us*
1347 \Contact <https://github.com/latex3/fontspec/issues> ,
1348 footmisc.sty = Frank Mittelbach
1349 \Contact <https://github.com/FrankMittelbach/fmitex-footmisc> ,
1350 luatex85.sty = Joseph Wright
1351 \Contact <https://github.com/josephwright/luatex85/issues> ,
1352 parskip.sty = Frank Mittelbach
1353 \Contact <https://github.com/FrankMittelbach/fmitex-parskip/issues> ,
1354 siunitx.sty = Joseph Wright
1355 \Contact <https://github.com/josephwright/siunitx/issues> ,
1356 unicodefonttable.sty = Frank Mittelbach
1357 \Contact <https://github.com/FrankMittelbach/fmitex-unicodefonttable> ,
1358 unicode-math.sty = us*
1359 \Contact <https://github.com/latex3/unicode-math/issues> ,
1360 widows-and-orphans.sty = Frank Mittelbach
1361 \Contact <https://github.com/FrankMittelbach/fmitex-widows-and-orphans/issues>
1362 xfrac.sty = us*
1363 \Contact <https://github.com/latex3/xfrac/issues> ,
1364 %----- USEFUL FOR BUG REPORTS
1365 blindtext.sty = ignore ,
1366 etoolbox.sty = ignore ,
1367 kantlipsum.sty = ignore ,
1368 lipsum.ltd = ignore ,
1369 lipsum.sty = ignore ,
1370 %----- EXTERNALLY SUPPORTED
1371 %
1372 geometry.sty = Hideo Umeki
1373 \Contact <latexgeometry [at] gmail [dot] com> ,
1374 %----- babel external
1375 basque.ldf = Juan M. Aguirregabiria
1376 \Contact <<http://tp.lc.ehu.es/jma.html>> ,
1377 belarusian.ldf = Aleksey Novodvorsky and Andrew Shadura
1378 \Contact <andrew [at] shadura [dot] me> ,
1379 bosnian.ldf = Samir Halilcevic %% Halilčević
1380 \Contact <samir [dot] halilcevic [at] fet [dot] ba> ,
1381 bulgarian.ldf = Georgi N. Boshnakov
1382 \Contact <Georgi Boshnakov [at] manchester [dot] ac [dot] uk> ,
1383 croatian.ldf = Ivan Kokan
1384 \Contact <ivan [dot] kokan [at] gmail [dot] com> ,
1385 estonian.ldf = Jaan Vajakas
1386 \Contact <jaanvajakas [at] hot [dot] ee> ,
1387 frenchb.ldf = Daniel Flipo
1388 \Contact <daniel [dot] flipo [at] free [dot] fr> ,
1389 friulan.ldf = Claudio Beccari
1390 \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
1391 georgian.ldf = Levan Shoshiashvili

```

1392          \Contact <shoshia [at] hotmail [dot] com> ,
1393 austrian.ldf = Juergen Spitzmueller
1394          \Contact <juergen [at] spitzmueller [dot] org> ,
1395 german.ldf   = Juergen Spitzmueller
1396          \Contact <juergen [at] spitzmueller [dot] org> ,
1397 germanb.ldf  = Juergen Spitzmueller
1398          \Contact <juergen [at] spitzmueller [dot] org> ,
1399 naustrian.ldf = Juergen Spitzmueller
1400          \Contact <juergen [at] spitzmueller [dot] org> ,
1401 ngerman.ldf   = Juergen Spitzmueller
1402          \Contact <juergen [at] spitzmueller [dot] org> ,
1403 ngermanb.ldf = Juergen Spitzmueller
1404          \Contact <juergen [at] spitzmueller [dot] org> ,
1405 nswissgerman.ldf = Juergen Spitzmueller
1406          \Contact <juergen [at] spitzmueller [dot] org> ,
1407 swissgerman.ldf = Juergen Spitzmueller
1408          \Contact <juergen [at] spitzmueller [dot] org> ,
1409 greek.ldf    = Guenter Milde
1410          \Contact <milde [at] users [dot] sf [dot] net> ,
1411 magyar.ldf   = Peter Szabo %% Péter Szabó
1412          \Contact <http://www.math.bme.hu/latex/> ,
1413 italian.ldf  = Claudio Beccari
1414          \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
1415 japanese.ldf = Japanese TEX Development Community
1416          \Contact <https://github.com/texjporg/babel-japanese> ,
1417 latin.ldf    = Claudio Beccari
1418          \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
1419 macedonian.ldf = Stojan Trajanovski
1420          \Contact <stojan [dot] trajanovski [at] gmail [dot] com> ,
1421 occitan.ldf  = Cedric Valmary %% Cédric Valmary
1422          \Contact <cvalmary [at] yahoo [dot] fr> ,
1423 piedmontese.ldf = Claudio Beccari
1424          \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
1425 pinyin.ldf   = Werner Lemberg
1426          \Contact <wl [at] gnu [dot] org> ,
1427 romansh.ldf  = Claudio Beccari
1428          \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
1429 russain.ldf  = Igor A [dot] Kotelnikov
1430          \Contact <kia999 [at] mail [dot] ru> , % -- old?
1431 serbianc.ldf = Filip Brcic
1432          \Contact <brcha [at] users [dot] sourceforge [dot] net> ,
1433 spanglish.ldf = J [dot] Luis Rivera
1434          \Contact <jlrm77 [at] gmail [dot] com> , % -- old?
1435 spanish.ldf  = Javier Bezos
1436          \Contact <http://www.texnia.com/contact.html> ,
1437 thaicjk.ldf  = Werner Lemberg
1438          \Contact <wl [at] gnu [dot] org> ,
1439 ukraineb.ldf = Sergiy Ponomarenko
1440          \Contact <sergiy [dot] ponomarenko [at] gmail [dot] com> ,
1441 vietnamese.ldf = Werner Lemberg
1442          \Contact <wl [at] gnu [dot] org> ,
1443 %----- LAST LINE
1444 {\latexbug@empty} = {} ,

```

Keep the data but throw away the loop function.

```
1445 \endgroup
```

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

```
1446 \let\latexbug@addtofilelist\@addtofilelist
```

```
\latexbug@zzzz Storage for third-party files and those from the LATEX3 set on GitHub.
```

```
\latexbug@own 1447 \def\latexbug@zzzz{}
```

```
1448 \def\latexbug@own{}
```

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

```
1449 \let\latexbug@process@table\process@table
```

```
1450 \def\process@table{\global\let\@addtofilelist\latexbug@addtofilelist
```

```
1451 \latexbug@process@table
```

```
1452 \ifx\latexbug@zzzz\latexbug@empty
```

```
1453 \ifx\latexbug@own\latexbug@empty
```

```
1454 \else
```

```
1455 \typeout{}%
```

```
1456 \PackageWarningNoLine{latexbug}{%
```

```
1457 {Special bug tracker!\MessageBreak
```

```
1458 \MessageBreak
```

```
1459 This test file uses the following file(s)\MessageBreak
```

```
1460 \MessageBreak
```

```
1461 =====\MessageBreak
```

```
1462 \latexbug@own
```

```
1463 =====\MessageBreak
```

```
1464 \MessageBreak
```

```
1465 Please note that these files have their own\MessageBreak
```

```
1466 bug tracker and your issue should therefore\MessageBreak
```

```
1467 be reported in the indicated repository.\MessageBreak
```

```
1468 \MessageBreak
```

```
1469 If they are not necessary to exhibit the problem,\MessageBreak
```

```
1470 remove them from your example and rerun it,\MessageBreak
```

```
1471 otherwise report the issue in the listed repository.\MessageBreak
```

```
1472 \MessageBreak
```

```
1473 If different repositories are listed, try to\MessageBreak
```

```
1474 select the most appropriate one (but don't worry\MessageBreak
```

```
1475 too much, if the choice is not clear to you)}%
```

```
1476 \typeout{}%
```

```
1477 \fi
```

```
1478 \else
```

```
1479 \PackageError{latexbug}{%
```

```
1480 {Third-party file(s)\MessageBreak
```

```
1481 \MessageBreak
```

```
1482 This test file uses third-party file(s)\MessageBreak
```

```
1483 \MessageBreak
```

```
1484 =====\MessageBreak
```

```
1485 \latexbug@zzzz
```

```
1486 =====\MessageBreak
```

```
1487 \MessageBreak
```



```

1488 So you should contact the authors\MessageBreak
1489 of these files, not the LaTeX Team!\MessageBreak
1490 (Or remove the packages that load\MessageBreak
1491 them, if they are not necessary to\MessageBreak
1492 exhibit the problem).\MessageBreak
1493 \MessageBreak
1494 If you think the bug is in core LaTeX\MessageBreak
1495 (as maintained by the LaTeX Team) but\MessageBreak
1496 these files are needed to demonstrate\MessageBreak
1497 the problem, please continue and mention\MessageBreak
1498 this explicitly in your bug report\MessageBreak
1499 (with an explanation why you think so)}{Please
1500     correct your test file prior
1501     to submitting the bug report.\MessageBreak
1502     Otherwise it is likely to be rejected!}%
1503 \fi
1504 }

```

`\@addtofilelist` First, a test to see if we are at the top level: there's no need to test dependencies 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.

```

1505 \def\@addtofilelist#1{%
1506   \expandafter\latexbug@iftoplevel\@currnamestack {} \@nil
1507   \begingroup
1508     \xdef\latexbug@x{#1}% TODO: one-level sanitize
1509     \expandafter
1510     \ifx\csname latexbug@@\latexbug@x\endcsname\relax
1511       \def\latexbug@y{}%
1512     \else
1513       \xdef\latexbug@y{\expandafter\expandafter\expandafter
1514         \@firstoftwo\csname latexbug@@\latexbug@x\endcsname}%
1515       \xdef\latexbug@z{\expandafter\expandafter\expandafter
1516         \@secondoftwo\csname latexbug@@\latexbug@x\endcsname}%
1517     \fi
1518     \ifx\latexbug@y\latexbug@us\else
1519       \ifx\latexbug@y\latexbug@usstar
1520         \begingroup
1521           \let\MessageBreak\relax
1522           \xdef\latexbug@own{%
1523             \latexbug@own\latexbug@x
1524             \space\space -> \space Report at:
1525           \ifx\latexbug@z\empty
1526             \Contact https://github.com/latex3/latex3/issues
1527           \else
1528             \latexbug@z
1529           \fi
1530         \MessageBreak

```

```

1531     }%
1532     \endgroup
1533   \else
1534     \ifx\latexbug@y\latexbug@ignore\else
1535       {\let\MessageBreak\relax
1536         \xdef\latexbug@zzzz{\latexbug@zzzz\latexbug@x
1537           \ifx\latexbug@y\latexbug@empty\else
1538             \space\space -> \space \latexbug@y
1539               \space \latexbug@z
1540           \fi
1541         \MessageBreak}}%
1542     \fi
1543   \fi
1544 \fi
1545 \endgroup
1546 \fi
1547 \latexbug@addtofilelist{#1}}
1548 \def\latexbug@iftoplevel #1#2\@nil{%
1549   \def\next{#1}%
1550   \ifx\next\@empty
1551 }
1552 \endinput
1553 </package>

```