The `latexbug` package[*]

The LaTeX Team

2026/03/16

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

1 Introduction

Software has bugs and LaTeX 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 LaTeX Project Team maintains a bug database for its own code base (which consists of the LaTeX kernel and some packages that have been written by people in the LaTeX Project Team). However, the LaTeX 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 LaTeX 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 LaTeX 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 LaTeX Project Team.

Bug reports sent to the LaTeX 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 LaTeX 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 LaTeX 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 LaTeX 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 LaTeX code maintained by the the LaTeX 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 LaTeX 2$_\varepsilon$, 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 LaTeX it will load a number of files and bug reports that are to be sent to the LaTeX 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 that `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}[2026/03/16 v1.0r Bug-classification]
```

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

```
17 \def\latexbug@empty{}
18 \def\latexbug@us{us}
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 suport) 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-2016-02-15.sty = us,
58 doc-2021-06-01.sty = us,
59 doc.sty = us ,
60 docstrip.tex = us ,
61 exscale.sty = us ,
62 fix-cm.sty = us ,
63 fixltx2e.sty = us ,
64 flafter.sty = us ,
65 fleqn.clo = us ,
66 fleqn.sty = us ,
67 fltrace.sty = us ,
68 fontenc.sty = us ,
69 fontmath.cfg = us ,
70 fontmath.ltx = us ,
71 fonttext.cfg = us ,
72 fonttext.ltx = us ,
73 graphpap.sty = us ,
74 hyphen.ltx = us ,
75 idx.tex = us ,
76 ifthen.sty = us ,
77 inputenc.sty = us ,
78 lablst.tex = us ,
79 latex.ltx = us ,
80 latex209.def = us ,
81 latexrelease.sty = us ,
82 latexsym.sty = us ,
83 latin1.def = us ,
84 latin10.def = us ,
85 latin2.def = us ,
86 latin3.def = us ,
87 latin4.def = us ,
88 latin5.def = us ,
89 latin9.def = us ,
90 lcyenc.dfu = us ,
91 leqno.clo = us ,
92 leqno.sty = us ,
93 letter.cls = us ,
94 letter.sty = us ,
95 lppl.tex = us ,
```

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

```
150 size12.clo = us ,
151 slides.cls = us ,
152 slides.def = us ,
153 slides.sty = us ,
154 small2e.tex = us ,
155 source2e.tex = us ,
156 source2edoc.cls = us ,
157 structuredlog.sty = us ,
158 syntonly.sty = us ,
159 t1cmdh.fd = us ,
160 t1cmfib.fd = us ,
161 t1cmfr.fd = us ,
162 t1cmr.fd = us ,
163 t1cmss.fd = us ,
164 t1cmtt.fd = us ,
165 t1cmvtt.fd = us ,
166 t1enc.def = us ,
167 t1enc.dfu = us ,
168 t1enc.sty = us ,
169 t1lcmss.fd = us ,
170 t1lcmtt.fd = us ,
171 t2aenc.dfu = us ,
172 t2benc.dfu = us ,
173 t2cenc.dfu = us ,
174 testpage.tex = us ,
175 texsys.cfg = us ,
176 textcomp-2018-08-11.sty = us ,
177 textcomp.sty = us ,
178 tracefnt.sty = us ,
179 ts1cmr.fd = us ,
180 ts1cmss.fd = us ,
181 ts1cmtt.fd = us ,
182 ts1cmvtt.fd = us ,
183 ts1enc.def = us ,
184 ts1enc.dfu = us ,
185 tuenc.def = us ,
186 tulmdh.fd = us ,
187 tulmr.fd = us ,
188 tulmss.fd = us ,
189 tulmssq.fd = us ,
190 tulmtt.fd = us ,
191 tulmvtt.fd = us ,
192 ucmr.fd = us ,
193 ucmss.fd = us ,
194 ucmtt.fd = us ,
195 ulasy.fd = us ,
196 ullasy.fd = us ,
197 utf8-2018.def = us ,
198 utf8.def = us ,
199 utf8enc.dfu = us ,
200 x2enc.dfu = us ,
201 %------------------------------ tools
202 afterpage.sty = us ,
203 array-2016-10-06.sty = us ,
```

```
204 array-2020-02-10.sty = us ,
205 array-2023-11-01.sty = us ,
206 array.sty = us ,
207 bm.sty = us ,
208 calc.sty = us ,
209 dcolumn.sty = us ,
210 delarray.sty = us ,
211 e.tex = us ,
212 enumerate.sty = us ,
213 fontsmpl.sty = us ,
214 fontsmpl.tex = us ,
215 ftnright.sty = us ,
216 h.tex = us ,
217 hhline.sty = us ,
218 indentfirst.sty = us ,
219 l3sys-query.sty = us* ,
220 layout.sty = us ,
221 longtable-2020-01-07.sty = us ,
222 longtable.sty = us ,
223 multicol-2017-04-11.sty = us ,
224 multicol-2019-10-01.sty = us ,
225 multicol.sty = us ,
226 q.tex = us ,
227 r.tex = us ,
228 rawfonts.sty = us ,
229 s.tex = us ,
230 shellesc.sty = us ,
231 showkeys-2014-10-28.sty = us ,
232 showkeys.sty = us ,
233 somedefs.sty = us ,
234 tabularx.sty = us ,
235 thb.sty = us ,
236 thc.sty = us ,
237 thcb.sty = us ,
238 theorem.sty = us ,
239 thm.sty = us ,
240 thmb.sty = us ,
241 thp.sty = us ,
242 trace.sty = us ,
243 varioref-2016-02-16.sty = us ,
244 varioref.sty = us ,
245 verbatim.sty = us ,
246 verbtest.tex = us ,
247 x.tex = us ,
248 xr-2023-07-04.sty = us ,
249 xr.sty = us ,
250 xspace.sty = us ,
251 %----------------------------- babel (locale files)
252 babel-slovenian.tex = ignore ,
253 babel-slovene.tex = ignore ,
254 babel-slovak.tex = ignore ,
255 babel-urdu.tex = ignore ,
256 babel-northernkurdish.tex = ignore ,
257 babel-kurmanji.tex = ignore ,
```

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

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

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

```
420 babel-chinese-traditional-macausarchina.tex = ignore ,
421 babel-chinese.tex = ignore ,
422 babel-chinese-hant-mo.tex = ignore ,
423 babel-chinese-traditional.tex = ignore ,
424 babel-chinese-simplified-macausarchina.tex = ignore ,
425 babel-chinese-traditional-hongkongsarchina.tex = ignore ,
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 993 babel-thai = ignore ,
 994 babel-tongan = ignore ,
 995 babel-kabuverdianu = ignore ,
 996 babel-turkish = ignore ,
 997 babel-coptic = ignore ,
 998 babel-duala = ignore ,
 999 babel-kinyarwanda = ignore ,
1000 babel-morisyen = ignore ,
1001 babel-tigrinya = ignore ,
1002 babel-kalenjin = ignore ,
1003 babel-luyia = ignore ,
1004 babel-nuer = ignore ,
1005 %------------------------------- babel (part supported by us)
1006 UKenglish.sty = us ,
1007 USenglish.sty = us ,
1008 afrikaans.sty = us ,
1009 albanian.sty = us ,
1010 american.sty = us ,
1011 austrian.sty = us ,
1012 babel.def = us ,
1013 babel.sty = us ,
```

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

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

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

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

```
1230 ts1pbk.fd = us ,
1231 ts1pcr.fd = us ,
1232 ts1phv.fd = us ,
1233 ts1pnc.fd = us ,
1234 ts1ppl.fd = us ,
1235 ts1pplj.fd = us ,
1236 ts1pplx.fd = us ,
1237 ts1ptm.fd = us ,
1238 ts1put.fd = us ,
1239 ts1pzc.fd = us ,
1240 ufplm.fd = us ,
1241 ufplmbb.fd = us ,
1242 upsy.fd = us ,
1243 upzd.fd = us ,
1244 utopia.sty = us ,
1245 %----------------------------- l3experimental
1246 l3benchmark.sty = us* ,              % -- old
1247 l3bitset.sty = us* ,                 % -- old
1248 l3draw.sty = us* ,
1249 l3galley.sty = us* ,
1250 l3graphics.sty = us* ,               % -- old
1251 l3opacity.sty = us* ,                % -- old
1252 l3str-format.sty = us* ,
1253 l3sys-shell.sty = us* ,              % -- old
1254 xcoffins.sty = us* ,
1255 xgalley.sty = us* ,
1256 %----------------------------- l3packages
1257 l3keys2e.sty = us* ,
1258 xfp.sty = us* ,
1259 xparse-2018-04-12.sty = us* ,
1260 xparse-2020-10-01.sty = us* ,
1261 xparse-generic.tex = us* ,
1262 xparse.ltx = us* ,
1263 xparse.sty = us* ,
1264 xtemplate-2023-10-10.sty = us* ,
1265 xtemplate.sty = us* ,
1266 %----------------------------- l3kernel / expl3
1267 expl3-code.tex = ignore ,
1268 expl3.ltx  = ignore ,
1269 expl3.lua = us* ,
1270 expl3.sty  = us* ,
1271 l3backend-dvipdfmx.def = ignore ,
1272 l3backend-dvips.def = ignore ,
1273 l3backend-dvisvgm.def = ignore ,
1274 l3backend-luatex.def = ignore ,
1275 l3backend-pdfmode.def = ignore ,     % -- old
1276 l3backend-pdftex.def = ignore ,
1277 l3backend-xdvipdfmx.def = ignore ,   % -- old
1278 l3backend-xetex.def = ignore ,
1279 l3debug.def = us* ,
1280 l3deprecation.def = ignore ,
1281 l3doc.cls = us* ,
1282 l3docstrip.tex = us ,
1283 l3str-enc-iso88591.def = us* ,
```

```
1284 l3str-enc-iso885910.def = us* ,
1285 l3str-enc-iso885911.def = us* ,
1286 l3str-enc-iso885913.def = us* ,
1287 l3str-enc-iso885914.def = us* ,
1288 l3str-enc-iso885915.def = us* ,
1289 l3str-enc-iso885916.def = us* ,
1290 l3str-enc-iso88592.def = us* ,
1291 l3str-enc-iso88593.def = us* ,
1292 l3str-enc-iso88594.def = us* ,
1293 l3str-enc-iso88595.def = us* ,
1294 l3str-enc-iso88596.def = us* ,
1295 l3str-enc-iso88597.def = us* ,
1296 l3str-enc-iso88598.def = us* ,
1297 l3str-enc-iso88599.def = us* ,
1298 %------------------------------ TAGGING PROJECT
1299 pdfmanagement.ltx = us*
1300             \Contact https://github.com/latex3/tagging-project/issues ,
1301 pdfmanagement-testphase.sty = us*
1302             \Contact https://github.com/latex3/tagging-project/issues ,
1303 tagpdf.sty = us*
1304             \Contact https://github.com/latex3/tagging-project/issues ,
1305 tagpdf-debug.sty = us*
1306             \Contact https://github.com/latex3/tagging-project/issues ,
1307 documentmetadata-support.ltx = us*
1308             \Contact https://github.com/latex3/tagging-project/issues ,
1309 l3backend-testphase-luatex.def = ignore ,
1310 l3backend-testphase-pdftex.def = ignore ,
1311 l3backend-testphase-xetex.def = ignore ,
1312 latex-lab-amsmath.ltx = ignore ,
1313 latex-lab-footnotes.ltx = ignore ,
1314 latex-lab-math.ltx = ignore ,
1315 latex-lab-mathintent.ltx = ignore ,
1316 latex-lab-mathpkg.ltx = ignore ,
1317 latex-lab-mathtools.ltx = ignore ,
1318 latex-lab-testphase-bib.sty = ignore ,
1319 latex-lab-testphase-block.sty = ignore ,
1320 latex-lab-testphase-float.sty = ignore ,
1321 latex-lab-testphase-graphic.sty = ignore ,
1322 latex-lab-testphase-latest.sty = ignore ,
1323 latex-lab-testphase-marginpar.sty = ignore ,
1324 latex-lab-testphase-math.sty = ignore ,
1325 latex-lab-testphase-minipage.sty = ignore ,
1326 latex-lab-testphase-new-or-1.sty = ignore ,
1327 latex-lab-testphase-new-or-2.sty = ignore ,
1328 latex-lab-testphase-sec.sty = ignore ,
1329 latex-lab-testphase-table.sty = ignore ,
1330 latex-lab-testphase-text.sty = ignore ,
1331 latex-lab-testphase-title.sty = ignore ,
1332 latex-lab-testphase-toc.sty = ignore ,
1333 latex-lab-unicode-math.ltx = ignore ,
1334 math-latex-lab-testphase.ltx = ignore ,
1335 pdfmanagement-firstaid.sty = ignore ,
1336 pdfmanagement-testphase.ltx = ignore ,
1337 phase-II-latex-lab-testphase.ltx = ignore ,
```

```
1338 phase-III-latex-lab-testphase.ltx = ignore ,
1339 table-latex-lab-testphase.ltx = ignore ,
1340 tagpdf-luatex.def = ignore ,
1341 title-latex-lab-testphase.ltx = ignore ,
1342 %------------------------------ EXTERNAL PACKAGES SUPPORTED BY THE LaTeX Team
1343 geometry.sty = us*
1344                \Contact https://github.com/LaTeX-Package-Repositories/geometry ,
1345 hluatex.def  = ignore ,
1346 hpdftex.def  = ignore ,
1347 hxetex.def   = ignore ,
1348 hypdoc.sty = us ,
1349 hyperref.cfg = ignore ,
1350 hyperref.sty = us*
1351                \Contact https://github.com/latex3/hyperref/issues ,
1352 hyperref-langpatches.def = ignore ,
1353 luamml.sty = us*
1354                \Contact https://github.com/latex3/luamml/issues ,
1355 pd1enc.def   = ignore ,
1356 puenc.def    = ignore ,
1357 xcolor.sty = us*
1358      \Contact https://github.com/latex3/xcolor/issues ,
1359 %------------------------------ PACKAGES BY MEMBERS OF THE LaTeX Team with their own rep
1360 beamer.cls   = Joseph Wright
1361                \Contact https://github.com/josephwright/beamer/issues ,
1362 dashundergaps.sty = Frank Mittelbach
1363                \Contact https://github.com/FrankMittelbach/fmitex-dashundergaps/issues ,
1364 parnotes.sty = Frank Mittelbach
1365                \Contact https://github.com/FrankMittelbach/fmitex-parnotes ,
1366 fewerfloatpages.sty = Frank Mittelbach
1367                \Contact https://github.com/FrankMittelbach/fmitex-fewerfloatpages ,
1368 fontspec.sty = us*
1369                \Contact https://github.com/latex3/fontspec/issues ,
1370 footmisc.sty = Frank Mittelbach
1371                \Contact https://github.com/FrankMittelbach/fmitex-footmisc ,
1372 luatex85.sty   = Joseph Wright
1373                \Contact https://github.com/josephwright/luatex85/issues ,
1374 parskip.sty = Frank Mittelbach
1375                \Contact https://github.com/FrankMittelbach/fmitex-parskip/issues ,
1376 siunitx.sty  = Joseph Wright
1377                \Contact https://github.com/josephwright/siunitx/issues ,
1378 unicodefonttable.sty = Frank Mittelbach
1379                \Contact https://github.com/FrankMittelbach/fmitex-unicodefonttable ,
1380 unicode-math.sty = us*
1381                \Contact https://github.com/latex3/unicode-math/issues ,
1382 widows-and-orphans.sty = Frank Mittelbach
1383                \Contact https://github.com/FrankMittelbach/fmitex-widows-and-orphans/issues
1384 xfrac.sty = us*
1385                \Contact https://github.com/latex3/xfrac/issues ,
1386 %------------------------------ USEFUL FOR BUG REPORTS
1387 blindtext.sty = ignore ,
1388 etoolbox.sty = ignore ,
1389 kantlipsum.sty   = ignore ,
1390 lipsum.ltd   = ignore ,
1391 lipsum.sty   = ignore ,
```

```
1392 %------------------------------  EXTERNALLY SUPPORTED
1393 %
1394 basque.ldf       = Juan M. Aguirregabiria
1395                    \Contact <http://tp.lc.ehu.es/jma.html> ,
1396 belarusian.ldf   = Aleksey Novodvorsky and Andrew Shadura
1397                    \Contact <andrew [at] shadura [dot] me> ,
1398 bosnian.ldf      = Samir Halilcevic %% Halilčević
1399                    \Contact <samir [dot] halilcevic [at] fet [dot] ba> ,
1400 bulgarian.ldf    = Georgi N. Boshnakov
1401                    \Contact <Georgi Boshnakov [at] manchester [dot] ac [dot] uk> ,
1402 croatian.ldf     = Ivan Kokan
1403                    \Contact <ivan [dot] kokan [at] gmail [dot] com> ,
1404 estonian.ldf     = Jaan Vajakas
1405                    \Contact <jaanvajakas [at] hot [dot] ee> ,
1406 frenchb.ldf      = Daniel Flipo
1407                    \Contact <daniel [dot] flipo [at] free [dot] fr> ,
1408 friulan.ldf      = Claudio Beccari
1409                    \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
1410 georgian.ldf     = Levan Shoshiashvili
1411                    \Contact <shoshia [at] hotmail [dot] com> ,
1412 austrian.ldf     = Juergen Spitzmueller
1413                    \Contact <juergen [at] spitzmueller [dot] org> ,
1414 german.ldf       = Juergen Spitzmueller
1415                    \Contact <juergen [at] spitzmueller [dot] org> ,
1416 germanb.ldf      = Juergen Spitzmueller
1417                    \Contact <juergen [at] spitzmueller [dot] org> ,
1418 naustrian.ldf    = Juergen Spitzmueller
1419                    \Contact <juergen [at] spitzmueller [dot] org> ,
1420 ngerman.ldf      = Juergen Spitzmueller
1421                    \Contact <juergen [at] spitzmueller [dot] org> ,
1422 ngermanb.ldf     = Juergen Spitzmueller
1423                    \Contact <juergen [at] spitzmueller [dot] org> ,
1424 nswissgerman.ldf = Juergen Spitzmueller
1425                    \Contact <juergen [at] spitzmueller [dot] org> ,
1426 swissgerman.ldf  = Juergen Spitzmueller
1427                    \Contact <juergen [at] spitzmueller [dot] org> ,
1428 greek.ldf        = Guenter Milde
1429                    \Contact <milde [at] users [dot] sf [dot] net> ,
1430 magyar.ldf       = Peter Szabo %% Péter Szabó
1431                    \Contact <http://www.math.bme.hu/latex/> ,
1432 italian.ldf      = Claudio Beccari
1433                    \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
1434 japanese.ldf     = Japanese TEX Development Community
1435                    \Contact <https://github.com/texjporg/babel-japanese> ,
1436 latin.ldf        = Claudio Beccari
1437                    \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
1438 macedonian.ldf   = Stojan Trajanovski
1439                    \Contact <stojan [dot] trajanovski [at] gmail [dot] com> ,
1440 occitan.ldf      = Cedric Valmary %% Cédric Valmary
1441                    \Contact <cvalmary [at] yahoo [dot] fr> ,
1442 piedmontese.ldf  = Claudio Beccari
1443                    \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
1444 pinyin.ldf       = Werner Lemberg
1445                    \Contact <wl [at] gnu [dot] org> ,
```

```
1446 romansh.ldf     = Claudio Beccari
1447                    \Contact <claudio [dot] beccari [at] gmail [dot] com> ,
1448 russain.ldf     = Igor A [dot]  Kotelnikov
1449                    \Contact <kia999 [at] mail [dot] ru> ,              %  -- old?
1450 serbianc.ldf    = Filip Brcic
1451                    \Contact <brcha [at] users [dot] sourceforge [dot] net> ,
1452 spanglish.ldf   = J [dot]  Luis Rivera
1453                    \Contact <jlrn77 [at] gmail [dot] com> ,            %  -- old?
1454 spanish.ldf     = Javier Bezos
1455                    \Contact <http://www.texnia.com/contact.html> ,
1456 thaicjk.ldf     = Werner Lemberg
1457                    \Contact <wl [at] gnu [dot] org> ,
1458 ukraineb.ldf    = Sergiy Ponomarenko
1459                    \Contact <sergiy [dot] ponomarenko [at] gmail [dot] com> ,
1460 vietnamese.ldf  = Werner Lemberg
1461                    \Contact <wl [at] gnu [dot] org> ,
1462 %------------------------------ LAST LINE
1463 {\latexbug@empty} = {} ,
```

Keep the data but throw away the loop function.

```
1464 \endgroup
```

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

```
1465 \let\latexbug@addtofilelist\@addtofilelist
```

\latexbug@zzzz Storage for third-party files and those from the LaTeX set on GitHub.
\latexbug@own
```
1466 \def\latexbug@zzzz{}
1467 \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.

```
1468 \let\latexbug@process@table\process@table
1469 \def\process@table{\global\let\@addtofilelist\latexbug@addtofilelist
1470   \latexbug@process@table
1471   \ifx\latexbug@zzzz\latexbug@empty
1472     \ifx\latexbug@own\latexbug@empty
1473     \else
1474       \typeout{}%
1475       \PackageWarningNoLine{latexbug}%
1476         {Special bug tracker!\MessageBreak
1477 \MessageBreak
1478 This test file uses the following file(s)\MessageBreak
1479 \MessageBreak
1480         =============\MessageBreak
1481         \latexbug@own
1482         =============\MessageBreak
1483         \MessageBreak
1484 Please note that these files have their own\MessageBreak
1485 bug tracker and your issue should therefore\MessageBreak
1486 be reported in the indicated repository.\MessageBreak
1487         \MessageBreak
1488 If they are not necessary to exhibit the problem,\MessageBreak
```

```
1489 remove them from your example and rerun it,\MessageBreak
1490 otherwise report the  issue in the listed repository.\MessageBreak
1491         \MessageBreak
1492 If different repositories are listed, try to\MessageBreak
1493 select the most appropriate one (but don't worry\MessageBreak
1494 too much, if the choice is not clear to you)}%
1495       \typeout{}%
1496     \fi
1497   \else
1498       \PackageError{latexbug}%
1499                   {Third-party file(s)\MessageBreak
1500 \MessageBreak
1501 This test file uses third-party file(s)\MessageBreak
1502 \MessageBreak
1503         ==============\MessageBreak
1504         \latexbug@zzzz
1505         ==============\MessageBreak
1506         \MessageBreak
1507 So you should contact the authors\MessageBreak
1508 of these files, not the LaTeX Team!\MessageBreak
1509 (Or remove the packages that load\MessageBreak
1510 them, if they are not necessary to\MessageBreak
1511 exhibit the problem).\MessageBreak
1512 \MessageBreak
1513 If you think the bug is in core LaTeX\MessageBreak
1514 (as maintained by the LaTeX Team) but\MessageBreak
1515 these files are needed to demonstrate\MessageBreak
1516 the problem, please continue and mention\MessageBreak
1517 this explicitly in your bug report\MessageBreak
1518 (with an explanation why you think so)}{Please
1519                   correct your test file prior
1520                   to submitting the bug report.\MessageBreak
1521                   Otherwise it is likely to be rejected!}%
1522   \fi
1523 }
```

\@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 LaTeX 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.

```
1524 \def\@addtofilelist#1{%
1525   \expandafter\latexbug@iftoplevel\@currnamestack {}\@nil
1526   \begingroup
1527     \xdef\latexbug@x{#1}% TODO: one-level sanitize
1528     \expandafter
1529     \ifx\csname latexbug@@\latexbug@x\endcsname\relax
1530       \def\latexbug@y{}%
1531     \else
```

\latexbug@y will contain either on of the keywords us or us* or ignore or it will
contain the start part of the third-party information, \latexbug@z contains the
rest (if anything), the space between the two is lost and needs to be reinserted.

```
1532        \xdef\latexbug@y{\expandafter\expandafter\expandafter
1533          \@firstoftwo\csname latexbug@@\latexbug@x\endcsname}%
1534        \xdef\latexbug@z{\expandafter\expandafter\expandafter
1535          \@secondoftwo\csname latexbug@@\latexbug@x\endcsname}%
1536      \fi
1537      \ifx\latexbug@y\latexbug@us\else
1538        \ifx\latexbug@y\latexbug@usstar
1539          \begingroup
1540            \let\MessageBreak\relax
1541            \xdef\latexbug@own{%
1542              \latexbug@own\latexbug@x
1543              \space\space -> \space Report at:
1544          \ifx\latexbug@z\@empty
1545            \Contact https://github.com/latex3/latex3/issues
1546          \else
1547            \latexbug@z
1548          \fi
1549              \MessageBreak
1550            }%
1551          \endgroup
1552        \else
1553          \ifx\latexbug@y\latexbug@ignore\else
1554            {\let\MessageBreak\relax
1555              \xdef\latexbug@zzzz{\latexbug@zzzz\latexbug@x
1556                \ifx\latexbug@y\latexbug@empty\else
1557                  \space\space -> \space \latexbug@y
1558                                   \space \latexbug@z
1559                \fi
1560                \MessageBreak}}%
1561          \fi
1562        \fi
1563      \fi
1564      \endgroup
1565    \fi
1566    \latexbug@addtofilelist{#1}}
1567 \def\latexbug@iftoplevel #1#2\@nil{%
1568   \def\next{#1}%
1569   \ifx\next\@empty
1570 }
1571 \endinput
1572 ⟨/package⟩
```