Package plautopatch v0.3

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Japanese pLaTeX/upLaTeX formats and packages often conflict with other LaTeX packages which are unaware of pLaTeX/upLaTeX. In the worst case, such packages throw an fatal error or end up with a wrong output.

The goal of this package plautopatch is that there is no need to worry about such incompatibilities, by automatically loading specific patches when they are necessary. This helps not only to simplify source files, but also to make the appearance of working pLaTeX/upLaTeX sources similar to that of ordinally LaTeX ones.

The package is maintained on GitHub:

```
https://github.com/aminophen/plautopatch
```

Requirements

This package depends on filehook package, written by Martin Scharrer.

Usage

Load this package at the very beginning of the LaTeX source. It is strongly recommended to use `\RequirePackage{plautopatch}` before `\documentclass` or any other commands, as such other classes and packages may load some problematic packages internally.

Here is an example:

```
%\RequirePackage{plautopatch}
\documentclass{tarticle}% vertical writing (requires plext)
\usepackage{array}% incompatible with plext
\begin{document}
...
\end{document}
```

In the above example, the class tarticle internally requires the package plext. However, array explicitly required by `\usepackage` conflicts with plext. By using `\RequirePackage{plautopatch}`, plextarray is automatically loaded and the problem goes. The list of automatically-loaded packages is shown at `\end{document}`:

```
***** List of packages loaded by 'plautopatch': *****
 plextarray.
************************************************
```

When multiple packages are loaded, they are all printed as a list separated by commas and spaces.

List of currently available patches

The legend:

- `<original package>` (`<bundle name of original package>`)
  `<patch package>` (`<bundle name of patch package>`)

Current version (2018/08/22 v0.3) supports the followings:

- tracefnt (latex)
  → ptrace/uptrace (platex/uplatex)
- fltrace (latex)
  → pfltrace (platex)
- array (latex-tools)
  → plarray (platex-tools)
- array (latex-tools) + plext (platex)
  → plextarray (platex-tools)
- delarray (latex-tools) + plext (platex)
  → plextdelarray (platex-tools)
- everysel (ms)
  → pxeverysel (platex-tools)
- everyshi (ms)
  → pxeveryshi (platex-tools)
- atbegshi (oberdiek)
  → pxatbegshi (platex-tools)
- ftnright (latex-tools)
  → pxftnright (platex-tools)
- pdfpages
  → pxpdfpages (maintained here!)

Note that, of course, the list may be adjusted (addition, deletion or replacement) in the future to get the expected result. Feel free to report some compatibility issue or request changes!

Disabling a specific patch

By default, `<patch package>` is automatically loaded when `<original package>` is detected, following the whole list. However, there is still a possibility of another regression issue. In that case, you can

disable the detection of `<original package>` by using the command:

```
\plautopatchdisable{<original package>}
```

If you want to disable multiple packages, you can give a comma-separated list of them:

```
\plautopatchdisable{<original package 1>,<original package 2>}
```

Change History

- 2018/08/21 v0.2 First CTAN release
- 2018/08/22 v0.3 Improve detection of problematic packages