The **pdfsync** package[*]

A LaTeX package for synchronizing between source and PDF output

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1 Presentation

pdfsync.sty allows one to synchronize between LaTeX source and PDF output. When used with a text editor and a PDF viewer that both support **pdfsync**, you can navigate from the source to the output and vice versa. This is some kind of srcltx ported from DVI to PDF.

When you typeset `foo.tex` with `pdfsync.sty` and either `pdfetex` or `xetex`, a `foo.pdfsync` auxiliary file is created. It only contains geometrical information used by text editors or PDF viewers for synchronization. You can delete this file when you are done.

Actually, iTeXMac, iTeXMac2, TeXShop, AucTeX are text editors implementing **pdfsync** support at various level. iTeXMac, iTeXMac2, TeXShop, TeXniscope, PDFView are PDF viewers implementing **pdfsync** support at various level.

This is most certainly the last update of this package, this technology will most certainly be embedded in pdfTeX and XeTeX engines and won't rely any longer on PDF techniques. As a matter of fact, synchronization will be available both for DVI, XDV and PDF. Also it will work the same for Plain, LaTeX, ConTeXt and whatsoever. Moreover, synchronization will not modify any package.

2 News

- 01/30/2007: version 1.1 is the second version officially available. Some internals were modified in order to provide a stronger \pdfsyncstart, \pdfsyncstop pair. Paul Taylor's diagram package now works with **pdfsync**. You may have to

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[*]This manual corresponds to pdfsync.sty v1.1, dated 2008/01/26.

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update. Anticipating over pdfTeX improvements, this package will load with option "`off`" if the `\synchronize` macro is defined

3 Installation

If this package is not already included in your TeX distribution, just copy the `pdfsync.sty` file to the proper location. On Mac OS X, it can be

> `YOUR_HOME_DIRECTORY/Library/texmf/tex/latex/graphics/graphics.sty`

where you should replace `YOUR_HOME_DIRECTORY` by its actual value.

4 Usage

Put `\usepackage{pdfsync}` in your LaTeX preamble.

In case of severe conflicts with another package, try instead

> `\usepackage[novbox]{pdfsync}`

If pdfsync breaks only some part of your LaTeX code, you can try to enclose it in

> `\pdfsyncstop \pdfsyncstart`

pair. If you want to add more control point add `\pdfsync` at sensible locations in your code. In that case,

> `\usepackage[off]{pdfsync}`

will disable PDF synchronization and `\relax` the above commands.

5 Bugs

pdfsync uses extremely sensible code. You should not use pdfsync on final documents because it can change the layout rather significantly (different page/line breaks are the most obvious changes), despite this is rather rare, 17th Murphy's law states that it will happen to you when it absolutely must not. . .

The accuracy of PDF synchronization depends on the application used for that purpose. iTeXMac2 is actually the most accurate implementation because it combines pdfsync with PDF searching. The lack of accuracy, is not a bug in pdfsync a priori.

You should report bugs and package conflicts to

> `jlaurens AT users DOT sourceforge DOT net.`

6 Credits:

The original idea of `pdfsync` was proposed by Piero D'Ancona in the summer of 2003. He and Jerome Laurens both created the first working package. Hans Hagen and David Kastrup made very significant enhancements to the original code.

7 License

This program is free software; you can redistribute it and/or modify it under the terms of the The LaTeX Project Public License version 1.3c at least
`http://www.latex-project.org/lppl.txt`

8 Home page

The official site where you will find both the latest version and the `.pdfsync` file specifications is

`http://itexmac.sourceforge.net/pdfsync.html`

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