

Manual of pdfscreen.sty

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October 13, 1999

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Abstract

pdfscreen.sty package helps to redesign the pdf output of your normal documents fit to be read in a computer monitor while retaining the freedom to format it for conventional printing. This has been brought about by re-defining the margins and page height/width and related dimension to fit the dimensions of the computer screen. By changing the options to print you can switch the package to format the document in the conventional way as your class file dictates. Currently, the package supports documents coded as per article, amsart, book and amsbook classes.

The development of this package was funded by the University of Auckland, New Zealand (Prof. John Hillas of Department of Economics made available the funds). I owe much thanks to Sebastian Rahtz for his patient replies to my incessant queries. The design of the side navigation panel is due to Kaveh Bazargan of Focal Image Ltd., London and it was at his goading that I started writing this package.

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1. Setup

An elaborative manual is not needed for using `pdfscreen.sty`, since it is nothing but an extension of the `hyperref.sty` of Sebastian Rahtz. The primary aim of the package is to change the dimensions of the width and height of the page so as to provide an ideal dimension that is fit for screen viewing rather than printing. As such, all those dimensions that control the page shape are redefined to result the desired screen size. The preamble portion requires the package loading command as given below:

```
\usepackage[screen,article,sidebar]{pdfscreen}
```

There is no need to specify the `\usepackage{hyperref}` with its options, since `hyperref` is loaded by the `pdfscreen.sty`. As in the case of `hyperref.sty`, package loading command has to be given as the last item in the preamble.

2. Options

The following options are available:

1. `screen` - generates the screen version.
2. `print` - generates the print that looks like your `dvi`.
3. `article` or `amsart` or `book` or `amsbook` depending upon the class file you have loaded. `pdfscreen.sty` currently supports only the



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aforesaid classes. Further generalization is needed to make it more generic, since each class file handles the dimensions in a specific way.

4. `sidebar` - generates side navigation panel and in its absence the package will default to the footer navigation menu.
5. `abconsamepage` - keeps the table of contents in the same page with abstract. The default is in separate pages.
6. `notoc` - in case you want to suppress the table of contents but want to keep the abstract and thanks.
7. **Color schemes:** There are six color schemes - bluelace, blue, gray, orange, palegreen and chocolate - available for side navigation panel and buttons that you can give as an option to the package. Default is blue.
8. **Foreign language support:** Not all the foreign languages are supported. Only 12 European languages are supported at the moment. However, all the language names as you give in the `babel` package can be given here as an option. If the language is not supported, the package will default to English. I may request users to send me the translation of the button text in the navigation panel and footer menu in your language, if it is not supported.
9. `nocfg` - an option to suppress the configuration file (see [section 5](#)), if you don't want to use its specifications.



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3. Other parameters to be passed

Few more parameters are to be passed on to the `pdfscreen.sty` to make it more functional. They are:

1. `\emblem{...}` - the name of the graphic file that appears on the title page.
2. `\emblem{...}` - the name of the graphic file that appears on subsequent pages.
3. `\urlid{...}` - your url.
4. `\emailid{...}` - the main authors email id.
5. `\screensize{height}{width}` - screen dimensions.
6. `\affname{...}` - the name of the organization.
7. `\divname{...}` - name of the division.
8. `\markboth{...}{...}` - leftmark and rightmark. Owing to the varied nature of the automatically generated marks that can jeopardize the screen pdf, it is mandatory to give a left and right marks that can accommodate itself in the side panels and footer menus.



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4. Newer commands added

A few more commands have been added to this version.

1. `\begin{screen}... \end{screen}`: the enclosed matter within this environment will appear only in screen. This may be helpful, if you want to have a color table in the screen version and a normal table for the same data in the print version.
2. `\begin{print}... \end{print}`: the reverse of the above.
3. `\duplex{arg1}{arg2}`: `arg1` will appear in screen version and `arg2` in print version. This is for smaller text only.

5. Configuration file

You can have a configuration file called `pdfscreen.cfg` in which you can provide your own font specification for various heading level fonts, translation of button text if your language is unsupported by the package, newer color schemes if you dislike the schemes offered, your email/url id, affiliation and division names, date argument, graphic file name of your logo/emblem. I would suggest to use a configuration file, in which you can give all your site specific requirements, that has another advantage of eliminating the clustered look at the preamble of the document. A typical configuration file is supplied with the package.



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6. Epilog

I firmly believe that the code demands further optimization and may have bugs that will show up during exhaustive usage. I request you to send me the bug reports as and when they exhibit their ugly faces.

I can be contacted at cvr@river-valley.com.



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