The `clrdblpg` Package, v1.0

Donald P. Goodman III

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Abstract

This tiny package allows easy manipulation of the headers and footers on pages left blank by `\cleardoublepage`. By default, LaTeX has no easy facilities for this. This package uses more or less the algorithm listed in the `fancyhdr` package documentation, with some added flexibility thrown in.

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1 Introduction

LaTeX clears double pages when using certain classes because certain divisions, such as chapters, must normally start on recto (odd) pages. This sometimes results in a page which is blank. However, LaTeX puts the normal page dressings on these blank pages. This might be the right decision in certain cases; but in other cases, it's certainly wrong. Yet there is no easy way to change this behavior.

2 Usage

So here's `clrdblpg`. This tiny package takes an algorithm redefining the normal LaTeX command `\cleardoublepage` from the `fancyhdr` documentation (by Piet van Oostrum and George Grätzer), but indents it better and adds the ability to control which page style will be applied to the blank pages.

To see the original algorithm, and the excellent `fancyhdr` package which you should almost certainly already be using, see http://ctan.org/pkg/fancyhdr.

To use the package, simply load the package `clrdblpg` with the `style` option expressing what page style you want. The default is to set the blank pages as having page style `empty`, so if that's what you want, you do not need to list an option.

`\usepackage{clrdblpg}`	Leaves cleared verso pages empty, with neither header nor footer
`\usepackage[style=empty]{clrdblpg}`	Leaves cleared verso pages empty, with neither header nor footer
`\usepackage[style=plain]{clrdblpg}`	Leaves cleared verso pages with the `plain` style, meaning no header and a centered page number for a footer

Obviously, any page style (defined by LaTeX, some class or package, or you) can be used instead.

And that's it for this little package.

3 Implementation

Start with a reasonable default. I don't personally think the LaTeX default here is reasonable, so I've not done it. I think `empty` makes sense; hence, the default.

```
1 \def\clrdblpg@pagestyle{empty}%
```

Require xkeyval, and set our package option.

```
2 \RequirePackage{xkeyval}
3 \DeclareOptionX{style}{\def\clrdblpg@pagestyle{#1}}
4 \ProcessOptionsX
```

Now define the command. This is taken directly from the documentation of the fancyhdr package (http://ctan.org/pkg/fancyhdr), but with better indentation and the ability to select a pagestyle for the blank page.

```
5 \def\cleardoublepage{%
6 \clearpage%
7 \if@twoside%
8 \ifodd%
9 \c@page%
10 \else%
11 \hbox{}%
12 \vspace*{\fill}%
13 \thispagestyle{\clrdblpg@pagestyle}%
14 \newpage%
15 \if@twocolumn%
16 \hbox{}%
17 \newpage%
18 \fi%
19 \fi%
20 \fi%
21 }%
```

And there's the `clrdblpg` package. I hope it proves useful to someone besides myself. Happy TeXing!