The \texttt{flippdf} package

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2006/06/30

Abstract

The \texttt{pdfflip} package extends \texttt{pdflATeX} making it possible to typeset a “mirrored” version of the document. This is sometimes required by publishers who want “camera-ready” documents to be printable on transparent films, so that one reads the pages correctly by looking \textit{through} the film (i.e., with the \textit{unprinted} side of the film towards his eyes. This package requires \texttt{everypage} by the same author and works with \texttt{pdflATeX} only.

1 Introduction

This \LaTeX{} package makes it possible to typeset a document horizontally flipping its pages. This is sometimes required by publishers who want “camera-ready” documents to be printable on transparent films, so that one reads the pages correctly by looking \textit{through} the film (i.e., with the \textit{unprinted} side of the film towards his eyes.

It is also possible to activate the mirroring capability on a page by page basis. This package requires \texttt{everypage} by the same author and works with \texttt{pdflATeX} only.

2 User interface

By default, once loaded as:

\begin{verbatim}
\usepackage{pdfflip}
\end{verbatim}

the \texttt{pdfflip} becomes immediately \texttt{active} (i.e., starts flipping horizontally every page). Conversely, by selecting the \texttt{off} option as in

\begin{verbatim}
\usepackage[off]{pdfflip}
\end{verbatim}

The package is loaded but remains inactive.

\begin{verbatim}
\FlipPDF \UnFlipPDF
\end{verbatim}

The \texttt{\FlipPDF} command lets one switch on page flipping. Conversely, \texttt{\UnFlipPDF} switches off page flipping.

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3 Implementation

Announce the name and version of the package, which requires \LaTeX\ 2\epsilon (actually pdfLaTeX).
\begin{verbatim}
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{flippdf}[]
[2006/06/30 1.0 Horizontal flipping of pages with pdfLaTeX]
Reminds the dependence on everypage.
\RequirePackage{everypage}
\if@sc@flippdf
Defines a boolean variable to remember if pages are to be flipped or not.
\newif\if@sc@flippdf
\FlipPDF
\UnFlipPDF
Define the commands used to switch on and off the horizontal flipping of the document pages.
\newcommand\FlipPDF{\@sc@flippdftrue}
\newcommand\UnFlipPDF{\@sc@flippdffalse}
By default activate the flipping:
\FlipPDF
Set up the processing of options:
\DeclareOption{off}{\UnFlipPDF}
\ProcessOptions
And eventually, tell \LaTeX\ to flip every page, by using the \texttt{everypage} hook:
\AddEverypageHook{%
\if@sc@flippdf
\pdfliteral direct {-1 0 0 1 \strip@pt\paperwidth\space 0 cm}
\fi}%
\endinput
\end{verbatim}

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