The pdfcolparallel package

Heiko Oberdiek*

2019/12/29 v1.5

Abstract

This packages fixes bugs in parallel and improves color support by using several color stacks that are provided by pdfTeX since version 1.40.

Contents

1 Usage **1**
1.1 Option rulebetweencolor . . . 2
1.2 Future . . . 2

2 Implementation **2**
2.1 Identification . . . 2
2.2 Load and fix package parallel . . . 2
2.3 Color stack support . . . 7
2.4 Redefinitions . . . 7

3 Installation **10**
3.1 Download . . . 10
3.2 Bundle installation . . . 10
3.3 Package installation . . . 10
3.4 Refresh file name databases . . . 11
3.5 Some details for the interested . . . 11

4 References **11**

5 History **11**
[2007/09/09 v1.0] . . . 11
[2007/12/12 v1.1] . . . 12
[2008/08/11 v1.2] . . . 12
[2010/01/11 v1.3] . . . 12
[2016/05/16 v1.4] . . . 12
[2019/12/29 v1.5] . . . 12

6 Index **12**

1 Usage

```
\usepackage{pdfcolparallel}
```

The package pdfcolparallel loads package parallel [1] and redefines some macros to fix bugs.

If color stacks are available then package parallel is further patched to support them.

*Please report any issues at https://github.com/ho-tex/oberdiek/issues

1.1 Option rulebetweencolor

Package pdfcolparallel also fixes the color for the rule between columns. Default color is `\normalcolor`. But this can be changed by using option rulebetweencolor for `\setkeys{parallel}` (see package keyval). The option takes a color specification as value. If the value is empty, then the default (`\normalcolor`) is used. Examples:

```
\setkeys{parallel}{rulebetweencolor=blue},
\setkeys{parallel}{rulebetweencolor={red}},
\setkeys{parallel}{rulebetweencolor={}}, % \normalcolor is
used
\setkeys{parallel}{rulebetweencolor=[rgb]{1,0,.5}}
```

1.2 Future

If there will be a new version of package parallel that adds support for color stacks, then this package may become obsolete.

2 Implementation

2.1 Identification

```
⟨*package⟩
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{pdfcolparallel}%
  [2019/12/29 v1.5 Color stacks support for parallel (HO)]%
```

2.2 Load and fix package parallel

Package parallel is loaded. Before options of package pdfcolparallel are passed to package parallel.

```
\DeclareOption*{%
  \PassOptionsToPackage{\CurrentOption}{parallel}%
}
\ProcessOptions\relax
\RequirePackage{parallel}[2003/04/13]
\RequirePackage{infwarerr}[2007/09/09]
```

`\pcp@ColorPatch`

```
\begingroup\expandafter\expandafter\expandafter\endgroup
\expandafter\ifx\csname currentgrouplevel\endcsname\relax
  \def\pcp@ColorPatch{}%
\else
  \def\pcp@ColorPatch{%
    \@ifundefined{set@color}{%
      \gdef\pcp@ColorPatch{}%
    }{%
      \gdef\pcp@ColorPatch{%
        \gdef\pcp@ColorResets{}%
        \bgroup
        \aftergroup\pcp@ColorResets
        \aftergroup\egroup
        \let\pcp@OrgSetColor\set@color
        \let\set@color\pcp@SetColor
        \edef\pcp@GroupLevel{\the\currentgrouplevel}%
      }%
    }%
    \pcp@ColorPatch
  }%
```

\pcp@SetColor

```
  \def\pcp@SetColor{%
    \ifnum\pcp@GroupLevel=\currentgrouplevel
      \let\pcp@OrgAfterGroup\aftergroup
      \def\aftergroup{%
        \g@addto@macro\pcp@ColorResets
      }%
      \pcp@OrgSetColor
      \let\aftergroup\pcp@OrgAfterGroup
    \else
      \pcp@OrgSetColor
    \fi
  }%
\fi
```

\pcp@CmdCheckRedef

```
\def\pcp@CmdCheckRedef#1{%
  \begingroup
    \def\pcp@cmd{#1}%
    \afterassignment\pcp@CmdDo
    \long\def\reserved@a
}
\def\pcp@CmdDo{%
    \expandafter\ifx\pcp@cmd\reserved@a
    \else
      \edef\x*{\expandafter\string\pcp@cmd}%
      \@PackageWarningNoLine{pdfcolparallel}{%
        Command \x* has changed.\MessageBreak
        Supported versions of package 'parallel':\MessageBreak
        \space\space 2003/04/13\MessageBreak
        The redefinition of \x* may\MessageBreak
        not behave correctly depending on the changes%
      }%
    \fi
  \expandafter\endgroup
  \expandafter\def\pcp@cmd
}
```

```
\def\pcp@SwitchStack#1#2{}
```

```
\def\pcp@SetCurrent#1{}
```

\ParallelLText

```
\pcp@CmdCheckRedef\ParallelLText{%
  \everypar{}%
  \@restorepar
  \begingroup
    \hbadness=3000 %
    \let\footnote=\ParallelLFootnote
    \ParallelWhichBox=0 %
    \global\setbox\ParallelLBox=\vbox\bgroup
      \hsize=\ParallelLWidth
      \aftergroup\ParallelAfterText
      \begingroup
        \afterassignment\ParallelCheckOpenBrace
        \let\x=%
}{%
  \everypar{}%
  \@restorepar
  \@nobreakfalse
  \begingroup
    \hbadness=3000 %
    \let\footnote=\ParallelLFootnote
```

```
    \ParallelWhichBox=0 %
    \global\setbox\ParallelLBox=\vbox\bgroup
      \hsize=\ParallelLWidth
      \linewidth=\ParallelLWidth
      \pcp@SwitchStack{Left}\ParallelLBox
      \aftergroup\ParallelAfterText
      \pcp@ColorPatch
      \begingroup
        \afterassignment\ParallelCheckOpenBrace
        \let\x=%
}
```

\ParallelRText

```
\pcp@CmdCheckRedef\ParallelRText{%
  \everypar{}%
  \@restorepar
  \begingroup
    \hbadness=3000 %
    \ifnum\ParallelFNMode=\@ne
      \let\footnote=\ParallelRFootnote
    \else
      \let\footnote=\ParallelLFootnote
    \fi
    \ParallelWhichBox=\@ne
    \global\setbox\ParallelRBox=\vbox\bgroup
      \hsize=\ParallelRWidth
      \aftergroup\ParallelAfterText
      \begingroup
        \afterassignment\ParallelCheckOpenBrace
        \let\x=%
}{%
  \everypar{}%
  \@restorepar
  \@nobreakfalse
  \begingroup
    \hbadness=3000 %
    \ifnum\ParallelFNMode=\@ne
      \let\footnote=\ParallelRFootnote
    \else
      \let\footnote=\ParallelLFootnote
    \fi
    \ParallelWhichBox=\@ne
    \global\setbox\ParallelRBox=\vbox\bgroup
      \hsize=\ParallelRWidth
      \linewidth=\ParallelRWidth
      \pcp@SwitchStack{Right}\ParallelRBox
      \aftergroup\ParallelAfterText
      \pcp@ColorPatch
      \begingroup
        \afterassignment\ParallelCheckOpenBrace
        \let\x=%
}
```

\ParallelParTwoPages

```
\pcp@CmdCheckRedef\ParallelParTwoPages{%
  \ifnum\ParallelBoolVar=\@ne
    \par
    \begingroup
      \global\ParallelWhichBox=\@ne
      \newpage
      \vbadness=10000 %
      \vfuzz=3ex %
      \splittopskip=\z@skip
```

```
    \loop%
      \ifnum\ParallelBoolVar=\@ne%
        \ifnum\ParallelWhichBox=\@ne
          \ifvoid\ParallelLBox
            \mbox{} %
            \newpage
          \else
            \global\ParallelWhichBox=\z@
          \fi
        \else
          \ifvoid\ParallelRBox
            \mbox{} %
            \newpage
          \else
            \global\ParallelWhichBox=\@ne
          \fi
        \fi
        \ifnum\ParallelWhichBox=\z@
          \ifodd\thepage
            \mbox{} %
            \newpage
          \fi
          \hbox to\textwidth{%
            \vbox{\vsplit\ParallelLBox to.98\textheight}%
          }%
        \else
          \ifodd\thepage\relax
          \else
            \mbox{} %
            \newpage
          \fi
          \hbox to\textwidth{%
            \vbox{\vsplit\ParallelRBox to.98\textheight}%
          }%
        \fi
        \vspace*{\fill}%
        \newpage
      \fi
      \ifvoid\ParallelLBox
        \ifvoid\ParallelRBox
          \global\ParallelBoolVar=\z@
        \fi
      \fi
    \ifnum\ParallelBoolVar=\@ne
    \repeat
    \par
  \endgroup
\fi
}{%
```

Additional fixes:

- Unnecessary white space removed.
- `\ifodd\thepage` changed to `\ifodd\value{page}`.

```
  \ifnum\ParallelBoolVar=\@ne
    \par
    \begingroup
      \global\ParallelWhichBox=\@ne
      \newpage
      \vbadness=10000 %
      \vfuzz=3ex %
      \splittopskip=\z@skip
```

```
      \loop%
        \ifnum\ParallelBoolVar=\@ne%
          \ifnum\ParallelWhichBox=\@ne
            \ifvoid\ParallelLBox
              \mbox{}%
              \newpage
            \else
              \global\ParallelWhichBox=\z@
            \fi
          \else
            \ifvoid\ParallelRBox
              \null
              \newpage
            \else
              \global\ParallelWhichBox=\@ne
            \fi
          \fi
          \ifnum\ParallelWhichBox=\z@
            \ifodd\value{page}%
              \null
              \newpage
            \fi
            \hbox to\textwidth{%
              \pcp@SetCurrent{Left}%
              \setbox\z@=\vsplit\ParallelLBox to.98\textheight
              \vbox to.98\textheight{%
                \@texttop
                \unvbox\z@
                \@textbottom
              }%
            }%
          \else
            \ifodd\value{page}%
            \else
              \mbox{}%
              \newpage
            \fi
            \hbox to\textwidth{%
              \pcp@SetCurrent{Right}%
              \setbox\z@=\vsplit\ParallelRBox to.98\textheight
              \vbox to.98\textheight{%
                \@texttop
                \unvbox\z@
                \@textbottom
              }%
            }%
          \fi
          \vspace*{\fill}%
          \newpage
        \fi
        \ifvoid\ParallelLBox
          \ifvoid\ParallelRBox
            \global\ParallelBoolVar=\z@
          \fi
        \fi
      \ifnum\ParallelBoolVar=\@ne
      \repeat
      \par
    \endgroup
    \pcp@SetCurrent{}%
  \fi
}
```

2.3 Color stack support

```
\RequirePackage{pdfcol}[2007/12/12]
\ifpdfcolAvailable
\else
  \PackageInfo{pdfcolparallel}{%
    Loading aborted, because color stacks are not available%
  }%
  \expandafter\endinput
\fi
\pdfcolInitStack{pcp@Left}
\pdfcolInitStack{pcp@Right}
```

`\pcp@Box`

```
\newbox\pcp@Box
```

`\pcp@SwitchStack`

```
\def\pcp@SwitchStack#1#2{%
  \pdfcolSwitchStack{pcp@#1}%
  \global\setbox\pcp@Box=\vbox to 0pt{%
    \pdfcolSetCurrentColor
  }%
  \aftergroup\pcp@FixBox
  \aftergroup#2%
}
```

`\pcp@FixBox`

```
\def\pcp@FixBox#1{%
  \global\setbox#1=\vbox{%
    \unvbox\pcp@Box
    \unvbox#1%
  }%
}
```

`\pcp@SetCurrent`

```
\def\pcp@SetCurrent#1{%
  \ifx\\#1\\%
    \pdfcolSetCurrent{}%
  \else
    \pdfcolSetCurrent{pcp@#1}%
  \fi
}
```

2.4 Redefinitions

`\ParallelParOnePage`

```
\pcp@CmdCheckRedef\ParallelParOnePage{%
  \ifnum\ParallelBoolVar=\@ne
    \par
    \begingroup
      \leftmargin=\z@
      \rightmargin=\z@
      \parskip=\z@skip
      \parindent=\z@
      \vbadness=10000 %
      \vfuzz=3ex %
      \splittopskip=\z@skip
      \loop
        \ifnum\ParallelBoolVar=\@ne
          \noindent
          \hbox to\textwidth{%
            \hskip\ParallelLeftMargin
```

```
            \hbox to\ParallelTextWidth{%
              \ifvoid\ParallelLBox
                \hskip\ParallelLWidth
              \else
                \ParallelWhichBox=\z@
                \vbox{%
                  \setbox\ParallelBoxVar
                      =\vsplit\ParallelLBox to\dp\strutbox
                  \unvbox\ParallelBoxVar
                }%
              \fi
              \strut
              \ifnum\ParallelBoolMid=\@ne
                \hskip\ParallelMainMidSkip
                \vrule
              \else
                \hss
              \fi
              \hss
              \ifvoid\ParallelRBox
                \hskip\ParallelRWidth
              \else
                \ParallelWhichBox=\@ne
                \vbox{%
                  \setbox\ParallelBoxVar
                      =\vsplit\ParallelRBox to\dp\strutbox
                  \unvbox\ParallelBoxVar
                }%
              \fi
            }%
          }%
          \ifvoid\ParallelLBox
            \ifvoid\ParallelRBox
              \global\ParallelBoolVar=\z@
            \fi
          \fi%
        \fi%
      \ifnum\ParallelBoolVar=\@ne
        \penalty\interlinepenalty
      \repeat
      \par
    \endgroup
  \fi
}{%
  \ifnum\ParallelBoolVar=\@ne
    \par
    \begingroup
      \leftmargin=\z@
      \rightmargin=\z@
      \parskip=\z@skip
      \parindent=\z@
      \vbadness=10000 %
      \vfuzz=3ex %
      \splittopskip=\z@skip
      \loop
        \ifnum\ParallelBoolVar=\@ne
          \noindent
          \hbox to\textwidth{%
            \hskip\ParallelLeftMargin
            \hbox to\ParallelTextWidth{%
              \ifvoid\ParallelLBox
                \hskip\ParallelLWidth
```

```
              \else
                \pcp@SetCurrent{Left}%
                \ParallelWhichBox=\z@
                \vbox{%
                  \setbox\ParallelBoxVar
                      =\vsplit\ParallelLBox to\dp\strutbox
                  \unvbox\ParallelBoxVar
                }%
              \fi
              \strut
              \ifnum\ParallelBoolMid=\@ne
                \hskip\ParallelMainMidSkip
                \begingroup
                  \pcp@RuleBetweenColor
                  \vrule
                \endgroup
              \else
                \hss
              \fi
              \hss
              \ifvoid\ParallelRBox
                \hskip\ParallelRWidth
              \else
                \pcp@SetCurrent{Right}%
                \ParallelWhichBox=\@ne
                \vbox{%
                  \setbox\ParallelBoxVar
                      =\vsplit\ParallelRBox to\dp\strutbox
                  \unvbox\ParallelBoxVar
                }%
              \fi
            }%
          }%
          \ifvoid\ParallelLBox
            \ifvoid\ParallelRBox
              \global\ParallelBoolVar=\z@
            \fi
          \fi%
        \fi%
      \ifnum\ParallelBoolVar=\@ne
        \penalty\interlinepenalty
      \repeat
      \par
    \endgroup
    \pcp@SetCurrent{}%
  \fi
}

\pcp@RuleBetweenColorDefault
\def\pcp@RuleBetweenColorDefault{%
  \normalcolor
}

    \pcp@RuleBetweenColor
\let\pcp@RuleBetweenColor\pcp@RuleBetweenColorDefault

\RequirePackage{keyval}
\define@key{parallel}{rulebetweencolor}{%
  \edef\pcp@temp{#1}%
  \ifx\pcp@temp\@empty
    \let\pcp@RuleBetweenColor\pcp@RuleBetweenColorDefault
  \else
    \edef\pcp@temp{%
```

```
      \noexpand\@ifnextchar[{%
        \def\noexpand\pcp@RuleBetweenColor{%
          \noexpand\color\pcp@temp
        }%
        \noexpand\pcp@GobbleNil
      }{%
        \def\noexpand\pcp@RuleBetweenColor{%
          \noexpand\color{\pcp@temp}%
        }%
        \noexpand\pcp@GobbleNil
      }%
      \pcp@temp\noexpand\@nil
    }%
    \pcp@temp
  \fi
}
```

\pcp@GobbleNil

```
\long\def\pcp@GobbleNil#1\@nil{}
```

⟨/package⟩

3 Installation

3.1 Download

Package. This package is available on CTAN[1]:

CTAN:macros/latex/contrib/oberdiek/pdfcolparallel.dtx The source file.

CTAN:macros/latex/contrib/oberdiek/pdfcolparallel.pdf Documentation.

Bundle. All the packages of the bundle 'oberdiek' are also available in a TDS compliant ZIP archive. There the packages are already unpacked and the documentation files are generated. The files and directories obey the TDS standard.

CTAN:install/macros/latex/contrib/oberdiek.tds.zip

TDS refers to the standard "A Directory Structure for TEX Files" (CTAN:pkg/tds). Directories with `texmf` in their name are usually organized this way.

3.2 Bundle installation

Unpacking. Unpack the `oberdiek.tds.zip` in the TDS tree (also known as `texmf` tree) of your choice. Example (linux):

```
unzip oberdiek.tds.zip -d ~/texmf
```

3.3 Package installation

Unpacking. The `.dtx` file is a self-extracting docstrip archive. The files are extracted by running the `.dtx` through plain TEX:

```
tex pdfcolparallel.dtx
```

[1] CTAN:pkg/pdfcolparallel

TDS. Now the different files must be moved into the different directories in your installation TDS tree (also known as `texmf` tree):

```
pdfcolparallel.sty → tex/latex/oberdiek/pdfcolparallel.sty
pdfcolparallel.pdf → doc/latex/oberdiek/pdfcolparallel.pdf
pdfcolparallel.dtx → source/latex/oberdiek/pdfcolparallel.dtx
```

If you have a `docstrip.cfg` that configures and enables docstrip's TDS installing feature, then some files can already be in the right place, see the documentation of docstrip.

3.4 Refresh file name databases

If your TEX distribution (TEX Live, MiKTEX, ...) relies on file name databases, you must refresh these. For example, TEX Live users run `texhash` or `mktexlsr`.

3.5 Some details for the interested

Unpacking with LATEX. The `.dtx` chooses its action depending on the format:

plain TEX: Run docstrip and extract the files.

LATEX: Generate the documentation.

If you insist on using LATEX for docstrip (really, docstrip does not need LATEX), then inform the autodetect routine about your intention:

```
latex \let\install=y\input{pdfcolparallel.dtx}
```

Do not forget to quote the argument according to the demands of your shell.

Generating the documentation. You can use both the `.dtx` or the `.drv` to generate the documentation. The process can be configured by the configuration file `ltxdoc.cfg`. For instance, put this line into this file, if you want to have A4 as paper format:

```
\PassOptionsToClass{a4paper}{article}
```

An example follows how to generate the documentation with pdfLATEX:

```
pdflatex pdfcolparallel.dtx
makeindex -s gind.ist pdfcolparallel.idx
pdflatex pdfcolparallel.dtx
makeindex -s gind.ist pdfcolparallel.idx
pdflatex pdfcolparallel.dtx
```

4 References

[1] Matthias Eckermann: *The parallel-package*; 2003/04/13; CTAN:pkg/parallel.

[2] Heiko Oberdiek: *The pdfcol package*; 2007/09/09; CTAN:pkg/pdfcol.

5 History

[2007/09/09 v1.0]

- First version.

[2007/12/12 v1.1]

- Adds patch for setting `\linewidth` to fix bug in package parallel.
- Package parallel is also fixed if color stacks are not available.
- Bug fix, switched stacks now initialized with current color.
- Fix for package parallel: `\raggedbottom` is respected.

[2008/08/11 v1.2]

- Code is not changed.
- URLs updated.

[2010/01/11 v1.3]

- Option 'rulebetweencolor' added.

[2016/05/16 v1.4]

- Documentation updates.

[2019/12/29 v1.5]

- `\PassOptionsToPackage` not `\PassoptionsToPackage`

6 Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; plain numbers refer to the code lines where the entry is used.

Symbols

\@PackageWarningNoLine 54
\@empty 429
\@ifnextchar 433
\@ifundefined 16
\@ne 103, 108, 121, 126, 138, 141, 147, 148, 160, 189, 195, 198, 204, 205, 217, 258, 298, 309, 325, 335, 350, 357, 368, 385, 399, 414
\@nil 444, 449
\@nobreakfalse 83, 118
\@restorepar 69, 82, 100, 117
\@textbottom 231, 246
\@texttop 229, 244
\\ 291

A

\afterassignment . 47, 78, 95, 113, 134
\aftergroup 22, 23, 33, 34, 38, 76, 92, 111, 131, 281, 282

C

\color 435, 440
\csname 12
\currentgrouplevel 26, 32
\CurrentOption 6

D

\DeclareOption 5
\define@key 427
\dp 320, 338, 380, 402

E

\endcsname 12
\endinput 271
\everypar 68, 81, 99, 116

F

\fill 181, 250
\footnote . . . 72, 86, 104, 106, 122, 124

G

\g@addto@macro 35
\gdef 17, 19, 20

H

\hbadness 71, 85, 102, 120
\hbox 168, 177, 225, 240, 311, 313, 370, 372
\hsize 75, 89, 110, 128
\hskip 312, 315, 326, 333, 371, 374, 386, 396
\hss 329, 331, 392, 394

I

\ifnum 32, 103, 121, 138, 147, 148, 163, 189, 195, 204, 205, 220, 258, 298, 309, 325, 350, 357, 368, 385, 414
\ifodd 164, 172, 221, 235
\ifpdfcolAvailable 266
\ifvoid 149, 156, 184, 185, 206, 213, 253, 254, 314, 332, 344, 345, 373, 395, 408, 409
\ifx 12, 51, 291, 429
\interlinepenalty 351, 415

L

\leftmargin 301, 360
\linewidth 90, 129
\loop 146, 203, 308, 367

M

\mbox 150, 157, 165, 174, 207, 237
\MessageBreak 55, 56, 57, 58

N

\NeedsTeXFormat 2
\newbox 275
\newpage . . 142, 151, 158, 166, 175, 182, 199, 208, 215, 223, 238, 251
\noindent 310, 369
\normalcolor 423
\null 214, 222

P

\PackageInfo 268
\par 139, 191, 196, 260, 299, 353, 358, 417
\ParallelAfterText . . . 76, 92, 111, 131
\ParallelBoolMid 325, 385
\ParallelBoolVar . . 138, 147, 186, 189, 195, 204, 255, 258, 298, 309, 346, 350, 357, 368, 410, 414
\ParallelBoxVar 319, 321, 337, 339, 379, 381, 401, 403
\ParallelCheckOpenBrace 78, 95, 113, 134
\ParallelFNMode 103, 121
\ParallelLBox 74, 88, 91, 149, 169, 184, 206, 227, 253, 314, 320, 344, 373, 380, 408
\ParallelLeftMargin 312, 371
\ParallelLFootnote . . . 72, 86, 106, 124
\ParallelLText 67
\ParallelLWidth . . 75, 89, 90, 315, 374
\ParallelMainMidSkip 326, 386
\ParallelParOnePage 297
\ParallelParTwoPages 137
\ParallelRBox 109, 127, 130, 156, 178, 185, 213, 242, 254, 332, 338, 345, 395, 402, 409
\ParallelRFootnote 104, 122
\ParallelRText 98
\ParallelRWidth 110, 128, 129, 333, 396
\ParallelTextWidth 313, 372
\ParallelWhichBox 73, 87, 108, 126, 141, 148, 153, 160, 163, 198, 205, 210, 217, 220, 317, 335, 377, 399
\parindent 304, 363
\parskip 303, 362
\PassOptionsToPackage 6
\pcp@Box 275, 278, 286
\pcp@cmd 46, 51, 53, 63
\pcp@CmdCheckRedef 44, 67, 98, 137, 297
\pcp@CmdDo 47, 50
\pcp@ColorPatch 11, 93, 132
\pcp@ColorResets 20, 22, 35
\pcp@FixBox 281, 284
\pcp@GobbleNil 437, 442, 449
\pcp@GroupLevel 26, 32
\pcp@OrgAfterGroup 33, 38
\pcp@OrgSetColor 24, 37, 40
\pcp@RuleBetweenColor 388, 425, 430, 434, 439
\pcp@RuleBetweenColorDefault 422, 425, 430
\pcp@SetColor 25, 31
\pcp@SetCurrent 66, 226, 241, 262, 290, 376, 398, 419
\pcp@SwitchStack 65, 91, 130, 276
\pcp@temp 428, 429, 432, 435, 440, 444, 446
\pdfcolInitStack 273, 274
\pdfcolSetCurrent 292, 294
\pdfcolSetCurrentColor 279
\pdfcolSwitchStack 277
\penalty 351, 415
\ProcessOptions 8
\ProvidesPackage 3

R

\repeat 190, 259, 352, 416
\RequirePackage 9, 10, 265, 426
\reserved@a 48, 51
\rightmargin 302, 361

S

\set@color 24, 25
\setbox 74, 88, 109, 127, 227, 242, 278, 285, 319, 337, 379, 401
\space 57
\splittopskip 145, 202, 307, 366
\strut 324, 384
\strutbox 320, 338, 380, 402

T

\textheight 169, 178, 227, 228, 242, 243
\textwidth 168, 177, 225, 240, 311, 370
\the 26
\thepage 164, 172

U

\unvbox 230, 245, 286, 287, 321, 339, 381, 403

V

\value 221, 235
\vbadness 143, 200, 305, 364

\vbox 74, 88, 109, 127, 169, 178, 228, 243, 278, 285, 318, 336, 378, 400
\vfuzz 144, 201, 306, 365
\vrule 327, 389
\vspace 181, 250
\vsplit 169, 178, 227, 242, 320, 338, 380, 402

X

\x 53, 55, 58, 79, 96, 114, 135

Z

\z@ 153, 163, 186, 210, 220, 227, 230, 242, 245, 255, 301, 302, 304, 317, 346, 360, 361, 363, 377, 410
\z@skip . . . 145, 202, 303, 307, 362, 366