

The pdfcolparallel package

Heiko Oberdiek
<oberdiek@uni-freiburg.de>

2010/01/11 v1.3

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 <code>rulebetweencolor</code>	2
1.2	Future	2
2	Implementation	2
2.1	Identification	2
2.2	Load and fix package <code>parallel</code>	2
2.3	Color stack support	7
2.4	Redefinitions	7
3	Test	10
4	Installation	12
4.1	Download	12
4.2	Bundle installation	12
4.3	Package installation	12
4.4	Refresh file name databases	12
4.5	Some details for the interested	13
5	References	13
6	History	13
	[2007/09/09 v1.0]	13
	[2007/12/12 v1.1]	13
	[2008/08/11 v1.2]	14
	[2010/01/11 v1.3]	14
7	Index	14

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.

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

```
1 (*package)
2 \NeedsTeXFormat{LaTeX2e}
3 \ProvidesPackage{pdfcolparallel}%
4 [2010/01/11 v1.3 Fixed parallel with color stacks support (HO)]%
```

2.2 Load and fix package parallel

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

```
5 \DeclareOption*{%
6   \PassOptionsToPackage{\CurrentOption}{parallel}%
7 }
8 \ProcessOptions\relax
9 \RequirePackage{parallel}[2003/04/13]
10 \RequirePackage{infwarerr}[2007/09/09]
```

`\pcp@ColorPatch`

```
11 \begingroup\expandafter\expandafter\expandafter\endgroup
12 \expandafter\ifx\csname currentgrouplevel\endcsname\relax
13   \def\pcp@ColorPatch{%
14 \else
15   \def\pcp@ColorPatch{%
16     \@ifundefined{set@color}{%
17       \gdef\pcp@ColorPatch{%
18         }{%
19           \gdef\pcp@ColorPatch{%
20             \gdef\pcp@ColorResets{%
21               \bgroup
22                 \aftergroup\pcp@ColorResets
23                 \aftergroup\egroup
24                 \let\pcp@OrgSetColor\set@color
25                 \let\set@color\pcp@SetColor
26                 \edef\pcp@GroupLevel{\the\currentgrouplevel}%
27               }%
28             }%
29             \pcp@ColorPatch
30           }%
```

\pcp@SetColor

```
31 \def\pcp@SetColor{%
32   \ifnum\pcp@GroupLevel=\currentgrouplevel
33     \let\pcp@OrgAfterGroup\aftergroup
34     \def\aftergroup{%
35       \g@addto@macro\pcp@ColorResets
36     }%
37     \pcp@OrgSetColor
38     \let\aftergroup\pcp@OrgAfterGroup
39   \else
40     \pcp@OrgSetColor
41   \fi
42 }%
43 \fi
```

\pcp@CmdCheckRedef

```
44 \def\pcp@CmdCheckRedef#1{%
45   \begingroup
46   \def\pcp@cmd{#1}%
47   \afterassignment\pcp@CmdDo
48   \long\def\reserved@a
49 }
50 \def\pcp@CmdDo{%
51   \expandafter\ifx\pcp@cmd\reserved@a
52   \else
53     \edef\x*{\expandafter\string\pcp@cmd}%
54     \@PackageWarningNoLine{pdfcolparallel}{%
55       Command \x* has changed.\MessageBreak
56       Supported versions of package 'parallel':\MessageBreak
57       \space\space 2003/04/13\MessageBreak
58       The redefinition of \x* may\MessageBreak
59       not behave correctly depending on the changes%
60     }%
61   \fi
62   \expandafter\endgroup
63   \expandafter\def\pcp@cmd
64 }

65 \def\pcp@SwitchStack#1#2{}
66 \def\pcp@SetCurrent#1{}
```

\ParallelLText

```
67 \pcp@CmdCheckRedef\ParallelLText{%
68   \everypar{}%
69   \@restorepar
70   \begingroup
71   \hbadness=3000 %
72   \let\footnote=\ParallelLFootnote
73   \ParallelWhichBox=0 %
74   \global\setbox\ParallelLBox=\vbox\bgroup
75   \hsize=\ParallelLWidth
76   \aftergroup\ParallelAfterText
77   \begingroup
78     \afterassignment\ParallelCheckOpenBrace
79     \let\x=%
80 }{%
81   \everypar{}%
82   \@restorepar
83   \@nobreakfalse
84   \begingroup
85     \hbadness=3000 %
86     \let\footnote=\ParallelLFootnote
```

```

87 \ParallelWhichBox=0 %
88 \global\setbox\ParallelLBox=\vbox\bgroup
89 \hsize=\ParallelLWidth
90 \linewidth=\ParallelLWidth
91 \pcp@SwitchStack{Left}\ParallelLBox
92 \aftergroup\ParallelAfterText
93 \pcp@ColorPatch
94 \begingroup
95 \afterassignment\ParallelCheckOpenBrace
96 \let\x=%
97 }

```

\ParallelRText

```

98 \pcp@CmdCheckRedef\ParallelRText{%
99 \everypar{}%
100 \@restorepar
101 \begingroup
102 \hbadness=3000 %
103 \ifnum\ParallelFNMode=\@ne
104 \let\footnote=\ParallelRFootnote
105 \else
106 \let\footnote=\ParallelLFootnote
107 \fi
108 \ParallelWhichBox=\@ne
109 \global\setbox\ParallelRBox=\vbox\bgroup
110 \hsize=\ParallelRWidth
111 \aftergroup\ParallelAfterText
112 \begingroup
113 \afterassignment\ParallelCheckOpenBrace
114 \let\x=%
115 }{%
116 \everypar{}%
117 \@restorepar
118 \@nobreakfalse
119 \begingroup
120 \hbadness=3000 %
121 \ifnum\ParallelFNMode=\@ne
122 \let\footnote=\ParallelRFootnote
123 \else
124 \let\footnote=\ParallelLFootnote
125 \fi
126 \ParallelWhichBox=\@ne
127 \global\setbox\ParallelRBox=\vbox\bgroup
128 \hsize=\ParallelRWidth
129 \linewidth=\ParallelRWidth
130 \pcp@SwitchStack{Right}\ParallelRBox
131 \aftergroup\ParallelAfterText
132 \pcp@ColorPatch
133 \begingroup
134 \afterassignment\ParallelCheckOpenBrace
135 \let\x=%
136 }

```

\ParallelParTwoPages

```

137 \pcp@CmdCheckRedef\ParallelParTwoPages{%
138 \ifnum\ParallelBoolVar=\@ne
139 \par
140 \begingroup
141 \global\ParallelWhichBox=\@ne
142 \newpage
143 \vbadness=10000 %
144 \vfuzz=3ex %

```

```

145     \splittopskip=\z@skip
146     \loop%
147         \ifnum\ParallelBoolVar=\@ne%
148             \ifnum\ParallelWhichBox=\@ne
149                 \ifvoid\ParallelLBox
150                     \mbox{} %
151                     \newpage
152                 \else
153                     \global\ParallelWhichBox=\z@
154                 \fi
155             \else
156                 \ifvoid\ParallelRBox
157                     \mbox{} %
158                     \newpage
159                 \else
160                     \global\ParallelWhichBox=\@ne
161                 \fi
162             \fi
163         \ifnum\ParallelWhichBox=\z@
164             \ifodd\thepage
165                 \mbox{} %
166                 \newpage
167             \fi
168             \hbox to\textwidth{%
169                 \vbox{\vsplit\ParallelLBox to.98\textheight}%
170             }%
171         \else
172             \ifodd\thepage\relax
173             \else
174                 \mbox{} %
175                 \newpage
176             \fi
177             \hbox to\textwidth{%
178                 \vbox{\vsplit\ParallelRBox to.98\textheight}%
179             }%
180         \fi
181         \vspace*{\fill}%
182         \newpage
183     \fi
184     \ifvoid\ParallelLBox
185     \ifvoid\ParallelRBox
186         \global\ParallelBoolVar=\z@
187     \fi
188 \fi
189 \ifnum\ParallelBoolVar=\@ne
190 \repeat
191 \par
192 \endgroup
193 \fi
194 }{%
```

Additional fixes:

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

```

195 \ifnum\ParallelBoolVar=\@ne
196     \par
197     \begingroup
198         \global\ParallelWhichBox=\@ne
199         \newpage
200         \vbadness=10000 %
201         \vfuzz=3ex %
```

```

202 \splittopskip=\z@skip
203 \loop%
204 \ifnum\ParallelBoolVar=\@ne%
205 \ifnum\ParallelWhichBox=\@ne
206 \ifvoid\ParallelLBox
207 \mbox{}%
208 \newpage
209 \else
210 \global\ParallelWhichBox=\z@
211 \fi
212 \else
213 \ifvoid\ParallelRBox
214 \null
215 \newpage
216 \else
217 \global\ParallelWhichBox=\@ne
218 \fi
219 \fi
220 \ifnum\ParallelWhichBox=\z@
221 \ifodd\value{page}%
222 \null
223 \newpage
224 \fi
225 \hbox to\textwidth{%
226 \pcp@SetCurrent{Left}%
227 \setbox\z@=\vsplit\ParallelLBox to.98\textheight
228 \vbox to.98\textheight{%
229 \@texttop
230 \unvbox\z@
231 \@textbottom
232 }%
233 }%
234 \else
235 \ifodd\value{page}%
236 \else
237 \mbox{}%
238 \newpage
239 \fi
240 \hbox to\textwidth{%
241 \pcp@SetCurrent{Right}%
242 \setbox\z@=\vsplit\ParallelRBox to.98\textheight
243 \vbox to.98\textheight{%
244 \@texttop
245 \unvbox\z@
246 \@textbottom
247 }%
248 }%
249 \fi
250 \vspace*{\fill}%
251 \newpage
252 \fi
253 \ifvoid\ParallelLBox
254 \ifvoid\ParallelRBox
255 \global\ParallelBoolVar=\z@
256 \fi
257 \fi
258 \ifnum\ParallelBoolVar=\@ne
259 \repeat
260 \par
261 \endgroup
262 \pcp@SetCurrent{}%
263 \fi

```

264 }

2.3 Color stack support

```
265 \RequirePackage{pdfcol}[2007/12/12]
266 \ifpdfcolAvailable
267 \else
268   \PackageInfo{pdfcolparallel}{%
269     Loading aborted, because color stacks are not available%
270   }%
271   \expandafter\endinput
272 \fi

273 \pdfcolInitStack{pcp@Left}
274 \pdfcolInitStack{pcp@Right}
```

\pcp@Box

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

\pcp@SwitchStack

```
276 \def\pcp@SwitchStack#1#2{%
277   \pdfcolSwitchStack{pcp@#1}%
278   \global\setbox\pcp@Box=\vbox to 0pt{%
279     \pdfcolSetCurrentColor
280   }%
281   \aftergroup\pcp@FixBox
282   \aftergroup#2%
283 }
```

\pcp@FixBox

```
284 \def\pcp@FixBox#1{%
285   \global\setbox#1=\vbox{%
286     \unvbox\pcp@Box
287     \unvbox#1%
288   }%
289 }
```

\pcp@SetCurrent

```
290 \def\pcp@SetCurrent#1{%
291   \ifx\#1\%
292     \pdfcolSetCurrent{}%
293   \else
294     \pdfcolSetCurrent{pcp@#1}%
295   \fi
296 }
```

2.4 Redefinitions

\ParallelParOnePage

```
297 \pcp@CmdCheckRedef\ParallelParOnePage{%
298   \ifnum\ParallelBoolVar=\@ne
299     \par
300     \begingroup
301       \leftmargin=\z@
302       \rightmargin=\z@
303       \parskip=\z@skip
304       \parindent=\z@
305       \vbadness=10000 %
306       \vfuzz=3ex %
307       \splittopskip=\z@skip
308       \loop
309         \ifnum\ParallelBoolVar=\@ne
```

```

310         \noindent
311         \hbox to\textwidth{%
312             \hskip\ParallelLeftMargin
313             \hbox to\ParallelTextWidth{%
314                 \ifvoid\ParallelLBox
315                     \hskip\ParallelLWidth
316                 \else
317                     \ParallelWhichBox=\z@
318                     \vbox{%
319                         \setbox\ParallelBoxVar
320                             =\vsplit\ParallelLBox to\dp\strutbox
321                         \unvbox\ParallelBoxVar
322                     }%
323                 \fi
324                 \strut
325                 \ifnum\ParallelBoolMid=\@ne
326                     \hskip\ParallelMainMidSkip
327                     \vrule
328                 \else
329                     \hss
330                 \fi
331                 \hss
332                 \ifvoid\ParallelRBox
333                     \hskip\ParallelRWidth
334                 \else
335                     \ParallelWhichBox=\@ne
336                     \vbox{%
337                         \setbox\ParallelBoxVar
338                             =\vsplit\ParallelRBox to\dp\strutbox
339                         \unvbox\ParallelBoxVar
340                     }%
341                 \fi
342             }%
343         }%
344         \ifvoid\ParallelLBox
345             \ifvoid\ParallelRBox
346                 \global\ParallelBoolVar=\z@
347             \fi
348         \fi%
349     \fi%
350     \ifnum\ParallelBoolVar=\@ne
351         \penalty\interlinepenalty
352     \repeat
353     \par
354 \endgroup
355 \fi
356 }{%
357 \ifnum\ParallelBoolVar=\@ne
358     \par
359     \beginingroup
360         \leftmargin=\z@
361         \rightmargin=\z@
362         \parskip=\z@skip
363         \parindent=\z@
364         \vbadness=10000 %
365         \vfuzz=3ex %
366         \splittopskip=\z@skip
367     \loop
368         \ifnum\ParallelBoolVar=\@ne
369             \noindent
370             \hbox to\textwidth{%
371                 \hskip\ParallelLeftMargin

```

```

372         \hbox to\ParallelTextWidth{%
373         \ifvoid\ParallelLBox
374         \hskip\ParallelLWidth
375         \else
376         \pcp@SetCurrent{Left}%
377         \ParallelWhichBox=\z@
378         \vbox{%
379         \setbox\ParallelBoxVar
380         =\vsplit\ParallelLBox to\dp\strutbox
381         \unvbox\ParallelBoxVar
382         }%
383         \fi
384         \strut
385         \ifnum\ParallelBoolMid=\@ne
386         \hskip\ParallelMainMidSkip
387         \begingroup
388         \pcp@RuleBetweenColor
389         \vrule
390         \endgroup
391         \else
392         \hss
393         \fi
394         \hss
395         \ifvoid\ParallelRBox
396         \hskip\ParallelRWidth
397         \else
398         \pcp@SetCurrent{Right}%
399         \ParallelWhichBox=\@ne
400         \vbox{%
401         \setbox\ParallelBoxVar
402         =\vsplit\ParallelRBox to\dp\strutbox
403         \unvbox\ParallelBoxVar
404         }%
405         \fi
406         }%
407     }%
408     \ifvoid\ParallelLBox
409     \ifvoid\ParallelRBox
410     \global\ParallelBoolVar=\z@
411     \fi
412     \fi%
413     \fi%
414     \ifnum\ParallelBoolVar=\@ne
415     \penalty\interlinepenalty
416     \repeat
417     \par
418     \endgroup
419     \pcp@SetCurrent{}%
420 \fi
421 }

```

\pcp@RuleBetweenColorDefault

```

422 \def\pcp@RuleBetweenColorDefault{%
423     \normalcolor
424 }

```

\pcp@RuleBetweenColor

```

425 \let\pcp@RuleBetweenColor\pcp@RuleBetweenColorDefault

426 \RequirePackage{keyval}
427 \define@key{parallel}{rulebetweencolor}{%
428     \edef\pcp@temp{#1}%

```

```

429 \ifx\pcp@temp\@empty
430 \let\pcp@RuleBetweenColor\pcp@RuleBetweenColorDefault
431 \else
432 \edef\pcp@temp{%
433 \noexpand\@ifnextchar[{%
434 \def\noexpand\pcp@RuleBetweenColor{%
435 \noexpand\color\pcp@temp
436 }%
437 \noexpand\pcp@GobbleNil
438 }{%
439 \def\noexpand\pcp@RuleBetweenColor{%
440 \noexpand\color{\pcp@temp}%
441 }%
442 \noexpand\pcp@GobbleNil
443 }%
444 \pcp@temp\noexpand\@nil
445 }%
446 \pcp@temp
447 \fi
448 }

```

\pcp@GobbleNil

```

449 \long\def\pcp@GobbleNil#1\@nil{}
450 \end{package}

```

3 Test

The test file is a modified version of the file that Alexander Hirsch has posted in [de.comp.text.tex](http://groups.google.com/group/de.comp.text.tex/msg/6a759cf33bb071a5): “parallel.sty und farbiger Text”¹

```

451 \documentclass{article}
452 \AtEndDocument{%
453 \typeout{%
454 \typeout{*****}%
455 \typeout{*** \space Check the PDF file manually! \space ***}%
456 \typeout{*****}%
457 \typeout{}}%
458 }
459 \documentclass{article}
460 \usepackage{xcolor}
461 \usepackage{pdfcolparallel}[2010/01/11]
462
463 \begin{document}
464 \color{green}%
465 Green%
466 \begin{Parallel}{0.47\textwidth}{0.47\textwidth}%
467 \ParallelLText{%
468 \textcolor{red}{%
469 Ein Absatz, der sich ueber zwei Zeilen erstrecken soll. %
470 Ein Absatz, der sich ueber zwei Zeilen erstrecken soll.%
471 }%
472 }%
473 \ParallelRText{%
474 \textcolor{blue}{%
475 Ein Absatz, der sich ueber zwei Zeilen erstrecken soll. %
476 Ein Absatz, der sich ueber zwei Zeilen erstrecken soll.%
477 }%
478 }%
479 \ParallelPar
480 \ParallelLText{%

```

¹Url: <http://groups.google.com/group/de.comp.text.tex/msg/6a759cf33bb071a5>

```

481     Default %
482     \color{red}%
483     Ein Absatz, der sich ueber zwei Zeilen erstrecken soll. %
484     Ein Absatz, der sich ueber zwei Zeilen erstrecken soll.%
485 }%
486 \ParallelRText{%
487     Default %
488     \color{blue}%
489     Ein Absatz, der sich ueber zwei Zeilen erstrecken soll. %
490     Ein Absatz, der sich ueber zwei Zeilen erstrecken soll.%
491 }%
492 \ParallelPar
493 \ParallelLText{%
494     \begin{enumerate}%
495         \item left text, left text, left text, left text, %
496             left text, left text, left text, left text,%
497         \item left text, left text, left text, left text, %
498             left text, left text, left text, left text.%
499     \end{enumerate}%
500 }%
501 \ParallelRText{%
502     \begin{enumerate}%
503         \item right text, right text, right text, right text, %
504             right text, right text, right text, right text.%
505         \item right text, right text, right text, right text, %
506             right text, right text, right text, right text.%
507     \end{enumerate}%
508 }%
509 \end{Parallel}%
510 \begin{Parallel}[p]{\textwidth}{\textwidth}%
511     \ParallelLText{%
512         \textcolor{red}{%
513             Ein Absatz, der sich ueber zwei Zeilen erstrecken soll. %
514             Ein Absatz, der sich ueber zwei Zeilen erstrecken soll. %
515             Foo bar bla bla bla.%
516         }%
517         \par
518         Und noch ein Absatz.%
519     }%
520     \ParallelRText{%
521         \textcolor{blue}{%
522             Ein Absatz, der sich ueber zwei Zeilen erstrecken soll. %
523             Ein Absatz, der sich ueber zwei Zeilen erstrecken soll. %
524             Foo bar bla bla bla.%
525         }%
526     }%
527 \end{Parallel}%
528 \begin{Parallel}[p]{\textwidth}{\textwidth}%
529     \ParallelLText{%
530         \rule{1pt}{.98\textheight}\Huge g%
531     }%
532     \ParallelRText{%
533         \rule{1pt}{.98\textheight}y%
534     }%
535 \end{Parallel}%
536 Green%
537 \end{document}
538 \end{test1}

```

4 Installation

4.1 Download

Package. This package is available on CTAN²:

[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:tds/tds.pdf](#)). Directories with `texmf` in their name are usually organized this way.

4.2 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
```

Script installation. Check the directory `TDS:scripts/oberdiek/` for scripts that need further installation steps. Package `attachfile2` comes with the Perl script `pdfatfi.pl` that should be installed in such a way that it can be called as `pdfatfi`. Example (linux):

```
chmod +x scripts/oberdiek/pdfatfi.pl
cp scripts/oberdiek/pdfatfi.pl /usr/local/bin/
```

4.3 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
```

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

<code>pdfcolparallel.sty</code>	\rightarrow <code>tex/latex/oberdiek/pdfcolparallel.sty</code>
<code>pdfcolparallel.pdf</code>	\rightarrow <code>doc/latex/oberdiek/pdfcolparallel.pdf</code>
<code>test/pdfcolparallel-test1.tex</code>	\rightarrow <code>doc/latex/oberdiek/test/pdfcolparallel-test1.tex</code>
<code>pdfcolparallel.dtx</code>	\rightarrow <code>source/latex/oberdiek/pdfcolparallel.dtx</code>

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`.

4.4 Refresh file name databases

If your \TeX distribution (te \TeX , mi \TeX , ...) relies on file name databases, you must refresh these. For example, te \TeX users run `texhash` or `mktextlsr`.

²<http://ftp.ctan.org/tex-archive/>

4.5 Some details for the interested

Attached source. The PDF documentation on CTAN also includes the `.dtx` source file. It can be extracted by AcrobatReader 6 or higher. Another option is `pdftk`, e.g. unpack the file into the current directory:

```
pdftk pdfcolparallel.pdf unpack_files output .
```

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 `pdf \LaTeX` :

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

5 References

- [1] Matthias Eckermann: *The `parallel` package*; 2003/04/13;
CTAN:macros/latex/contrib/parallel/.
- [2] Heiko Oberdiek: *The `pdfcol` package*; 2007/09/09;
CTAN:macros/latex/contrib/oberdiek/pdfcol.pdf.

6 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.

7 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; numbers in roman refer to the code lines where the entry is used.

Symbols	G
<code>\@PackageWarningNoLine</code> 54	<code>\g@addto@macro</code> 35
<code>\@empty</code> 429	<code>\gdef</code> 17, 19, 20
<code>\@ifnextchar</code> 433	H
<code>\@ifundefined</code> 16	<code>\hbadness</code> 71, 85, 102, 120
<code>\@one</code> 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	<code>\hbox</code> 168, 177, 225, 240, 311, 313, 370, 372
<code>\@nil</code> 444, 449	<code>\hsize</code> 75, 89, 110, 128
<code>\@nobreakfalse</code> 83, 118	<code>\hskip</code> 312, 315, 326, 333, 371, 374, 386, 396
<code>\@restorepar</code> 69, 82, 100, 117	<code>\hss</code> 329, 331, 392, 394
<code>\@textbottom</code> 231, 246	<code>\Huge</code> 530
<code>\@texttop</code> 229, 244	I
<code>\@</code> 291	<code>\ifnum</code> 32, 103, 121, 138, 147, 148, 163, 189, 195, 204, 205, 220, 258, 298, 309, 325, 350, 357, 368, 385, 414
A	<code>\ifodd</code> 164, 172, 221, 235
<code>\afterassignment</code> 47, 78, 95, 113, 134	<code>\ifpdfcolAvailable</code> 266
<code>\aftergroup</code> 22, 23, 33, 34, 38, 76, 92, 111, 131, 281, 282	<code>\ifvoid</code> 149, 156, 184, 185, 206, 213, 253, 254, 314, 332, 344, 345, 373, 395, 408, 409
<code>\AtEndDocument</code> 452	<code>\ifx</code> 12, 51, 291, 429
B	<code>\interlinepenalty</code> 351, 415
<code>\begin</code> 463, 466, 494, 502, 510, 528	<code>\item</code> 495, 497, 503, 505
C	L
<code>\color</code> 435, 440, 464, 482, 488	<code>\leftmargin</code> 301, 360
<code>\csname</code> 12	<code>\linewidth</code> 90, 129
<code>\currentgrouplevel</code> 26, 32	<code>\loop</code> 146, 203, 308, 367
<code>\CurrentOption</code> 6	M
D	<code>\mbox</code> 150, 157, 165, 174, 207, 237
<code>\DeclareOption</code> 5	<code>\MessageBreak</code> 55, 56, 57, 58
<code>\define@key</code> 427	N
<code>\documentclass</code> 459	<code>\NeedsTeXFormat</code> 2
<code>\dp</code> 320, 338, 380, 402	<code>\newbox</code> 275
E	<code>\newpage</code> 142, 151, 158, 166, 175, 182, 199, 208, 215, 223, 238, 251
<code>\end</code> 499, 507, 509, 527, 535, 537	<code>\noindent</code> 310, 369
<code>\endcsname</code> 12	<code>\normalcolor</code> 423
<code>\endinput</code> 271	<code>\null</code> 214, 222
<code>\everypar</code> 68, 81, 99, 116	P
F	<code>\PackageInfo</code> 268
<code>\fill</code> 181, 250	
<code>\footnote</code> 72, 86, 104, 106, 122, 124	

<code>\par</code>	139, 191, 196, 260, 299, 353, 358, 417, 517
<code>\ParallelAfterText</code> ...	76, 92, 111, 131
<code>\ParallelBoolMid</code>	325, 385
<code>\ParallelBoolVar</code> ..	138, 147, 186, 189, 195, 204, 255, 258, 298, 309, 346, 350, 357, 368, 410, 414
<code>\ParallelBoxVar</code>	319, 321, 337, 339, 379, 381, 401, 403
<code>\ParallelCheckOpenBrace</code>	78, 95, 113, 134
<code>\ParallelFNMode</code>	103, 121
<code>\ParallelLBox</code>	74, 88, 91, 149, 169, 184, 206, 227, 253, 314, 320, 344, 373, 380, 408
<code>\ParallelLeftMargin</code>	312, 371
<code>\ParallelFootnote</code> ...	72, 86, 106, 124
<code>\ParallelLText</code>	67, 467, 480, 493, 511, 529
<code>\ParallelLWidth</code> ..	75, 89, 90, 315, 374
<code>\ParallelMainMidSkip</code>	326, 386
<code>\ParallelPar</code>	479, 492
<code>\ParallelParOnePage</code>	297
<code>\ParallelParTwoPages</code>	137
<code>\ParallelRBox</code>	109, 127, 130, 156, 178, 185, 213, 242, 254, 332, 338, 345, 395, 402, 409
<code>\ParallelFootnote</code>	104, 122
<code>\ParallelRText</code>	98, 473, 486, 501, 520, 532
<code>\ParallelRWidth</code> ..	110, 128, 129, 333, 396
<code>\ParallelTextWidth</code>	313, 372
<code>\ParallelWhichBox</code>	73, 87, 108, 126, 141, 148, 153, 160, 163, 198, 205, 210, 217, 220, 317, 335, 377, 399
<code>\parindent</code>	304, 363
<code>\parskip</code>	303, 362
<code>\PassoptionsToPackage</code>	6
<code>\pcp@Box</code>	275, 278, 286
<code>\pcp@cmd</code>	46, 51, 53, 63
<code>\pcp@CmdCheckRedef</code> ..	44, 67, 98, 137, 297
<code>\pcp@CmdDo</code>	47, 50
<code>\pcp@ColorPatch</code>	11, 93, 132
<code>\pcp@ColorResets</code>	20, 22, 35
<code>\pcp@FixBox</code>	281, 284
<code>\pcp@GobbleNil</code>	437, 442, 449
<code>\pcp@GroupLevel</code>	26, 32
<code>\pcp@OrgAfterGroup</code>	33, 38
<code>\pcp@OrgSetColor</code>	24, 37, 40
<code>\pcp@RuleBetweenColor</code>	388, 425, 430, 434, 439
<code>\pcp@RuleBetweenColorDefault</code> ...	422, 425, 430
<code>\pcp@SetColor</code>	25, 31
<code>\pcp@SetCurrent</code>	66, 226, 241, 262, 290, 376, 398, 419
<code>\pcp@SwitchStack</code>	65, 91, 130, 276
<code>\pcp@temp</code>	428, 429, 432, 435, 440, 444, 446
<code>\pdfcolInitStack</code>	273, 274
<code>\pdfcolSetCurrent</code>	292, 294
<code>\pdfcolSetCurrentColor</code>	279
<code>\pdfcolSwitchStack</code>	277
<code>\penalty</code>	351, 415
<code>\ProcessOptions</code>	8
<code>\ProvidesPackage</code>	3
R	
<code>\repeat</code>	190, 259, 352, 416
<code>\RequirePackage</code>	9, 10, 265, 426
<code>\reserved@a</code>	48, 51
<code>\rightmargin</code>	302, 361
<code>\rule</code>	530, 533
S	
<code>\set@color</code>	24, 25
<code>\setbox</code>	74, 88, 109, 127, 227, 242, 278, 285, 319, 337, 379, 401
<code>\space</code>	57, 455
<code>\splittopskip</code>	145, 202, 307, 366
<code>\strut</code>	324, 384
<code>\strutbox</code>	320, 338, 380, 402
T	
<code>\textcolor</code>	468, 474, 512, 521
<code>\textheight</code>	169, 178, 227, 228, 242, 243, 530, 533
<code>\textwidth</code>	168, 177, 225, 240, 311, 370, 466, 510, 528
<code>\the</code>	26
<code>\thepage</code>	164, 172
<code>\typeout</code>	453, 454, 455, 456, 457
U	
<code>\unvbox</code>	230, 245, 286, 287, 321, 339, 381, 403
<code>\usepackage</code>	460, 461
V	
<code>\value</code>	221, 235
<code>\vbadness</code>	143, 200, 305, 364
<code>\vbox</code>	74, 88, 109, 127, 169, 178, 228, 243, 278, 285, 318, 336, 378, 400
<code>\vfuzz</code>	144, 201, 306, 365
<code>\vrule</code>	327, 389
<code>\vspace</code>	181, 250
<code>\vsplit</code>	169, 178, 227, 242, 320, 338, 380, 402
X	
<code>\x</code>	53, 55, 58, 79, 96, 114, 135
Z	
<code>\z@</code>	153, 163, 186, 210, 220, 227, 230, 242, 245, 255, 301, 302, 304, 317, 346, 360, 361, 363, 377, 410
<code>\z@skip</code> ...	145, 202, 303, 307, 362, 366