The **pdfcol** package

Heiko Oberdiek

<heiko.oberdiek at googlemail.com>

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Abstract

Since version 1.40 pdfTEX supports color stacks. The driver file `pdftex.def` for package color defines and uses a main color stack since version v0.04b. Package pdfcol is intended for package writers. It defines macros for setting and maintaining new color stacks.

Contents

1 Documentation

Version 1.40 of pdfTEX adds new primitives \pdfcolorstackinit and \pdfcolorstack. Now color stacks can be defined and used. A main color stack is maintained by the driver file pdftex.def similar to dvips or dvipdfm. However the number of color stacks is not limited to one in pdfTEX. Thus further color problems can now be solved, such as footnotes across pages or text that is set in parallel columns (e.g. packages parallel or parcolumn). Unlike the main color stack, the support by additional color stacks cannot be done in a transparent manner.

This package pdfcol provides an easier interface to additional color stacks without the need to use the low level primitives.

1.1 Requirements

- pdfTEX 1.40 or greater.

- pdfTEXin PDF mode. (I don't know a DVI driver that support several color stacks.)

- pdftex.def 2007/01/02 v0.04b.

Package pdfcol checks the requirements and sets switch \ifpdfcolAvailable accordingly.

1.2 Interface

\ifpdfcolAvailable

If the requirements of section 1.1 are met the switch \ifpdfcolAvailable behaves as \iftrue. Otherwise the other interface macros in this section will be disabled with a message. Also the first use of such a macro will print a message. The messages are print to the .log file only if pdfTEX is not used in PDF mode.

\pdfcolErrorNoStacks

The first call of \pdfcolErrorNoStacks prints an error message, if color stacks are not available.

\pdfcolInitStack {⟨name⟩}

A new color stack is initialized by \pdfcolInitStack. The ⟨name⟩ is used for indentifying the stack. It usually consists of letters and digits. (The name must survive a \csname.)

The intension of the macro is the definition of an additional color stack. Thus the stack is not page bounded like the main color stack. Black (0 g 0 G) is used as initial color value. And colors are written with modifier direct that means without setting the current transfer matrix and changing the current point (see documentation of pdfTEX for \pdfliteral direct{...}).

\pdfcolIfStackExists {⟨name⟩} {⟨then⟩} {⟨else⟩}

Macro \pdfcolIfStackExists checks whether color stack ⟨name⟩ exists. In case of success argument ⟨then⟩ is executed and ⟨else⟩ otherwise.

| `\pdfcolSwitchStack {⟨name⟩}` |

Macro `\pdfcolSwitchStack` switches the color stack. The color macros of package color (or xcolor) now uses the new color stack with name ⟨name⟩.

| `\pdfcolSetCurrentColor` |

Macro `\pdfcolSetCurrentColor` replaces the topmost entry of the stack by the current color (`\current@color`).

| `\pdfcolSetCurrent {⟨name⟩}` |

Macro `\pdfcolSetCurrent` sets the color that is read in the top-most entry of color stack ⟨name⟩. If ⟨name⟩ is empty, the default color stack is used.

2 Implementation

1 ⟨*package⟩

2.1 Reload check and package identification

Reload check, especially if the package is not used with LaTeX.

```
 2 \begingroup\catcode61\catcode48\catcode32=10\relax%
 3   \catcode13=5 % ^^M
 4   \endlinechar=13 %
 5   \catcode35=6 % #
 6   \catcode39=12 % '
 7   \catcode44=12 % ,
 8   \catcode45=12 % -
 9   \catcode46=12 % .
10   \catcode58=12 % :
11   \catcode64=11 % @
12   \catcode123=1 % {
13   \catcode125=2 % }
14   \expandafter\let\expandafter\x\csname ver@pdfcol.sty\endcsname
15   \ifx\x\relax % plain-TeX, first loading
16   \else
17     \def\empty{}%
18     \ifx\x\empty % LaTeX, first loading,
19       % variable is initialized, but \ProvidesPackage not yet seen
20     \else
21       \expandafter\ifx\csname PackageInfo\endcsname\relax
22         \def\x#1#2{%
23           \immediate\write-1{Package #1 Info: #2.}%
24         }%
25       \else
26         \def\x#1#2{\PackageInfo{#1}{#2, stopped}}%
27       \fi
28       \x{pdfcol}{The package is already loaded}%
29       \aftergroup\endinput
30     \fi
31   \fi
32 \endgroup%
```

Package identification:

```
33 \begingroup\catcode61\catcode48\catcode32=10\relax%
34   \catcode13=5 % ^^M
35   \endlinechar=13 %
36   \catcode35=6 % #
37   \catcode39=12 % '
38   \catcode40=12 % (
```

```
39  \catcode41=12 % )
40  \catcode44=12 % ,
41  \catcode45=12 % -
42  \catcode46=12 % .
43  \catcode47=12 % /
44  \catcode58=12 % :
45  \catcode64=11 % @
46  \catcode91=12 % [
47  \catcode93=12 % ]
48  \catcode123=1 % {
49  \catcode125=2 % }
50  \expandafter\ifx\csname ProvidesPackage\endcsname\relax
51    \def\x#1#2#3[#4]{\endgroup
52      \immediate\write-1{Package: #3 #4}%
53      \xdef#1{#4}%
54    }%
55  \else
56    \def\x#1#2[#3]{\endgroup
57      #2[{#3}]%
58      \ifx#1\@undefined
59        \xdef#1{#3}%
60      \fi
61      \ifx#1\relax
62        \xdef#1{#3}%
63      \fi
64    }%
65  \fi
66 \expandafter\x\csname ver@pdfcol.sty\endcsname
67 \ProvidesPackage{pdfcol}%
68   [2007/12/12 v1.2 Maintaining additional color stacks for pdfTeX (HO)]%
```

2.2 Catcodes

```
69 \begingroup\catcode61\catcode48\catcode32=10\relax%
70   \catcode13=5 % ^^M
71   \endlinechar=13 %
72   \catcode123=1 % {
73   \catcode125=2 % }
74   \catcode64=11 % @
75   \def\x{\endgroup
76     \expandafter\edef\csname PDFCOL@AtEnd\endcsname{%
77       \endlinechar=\the\endlinechar\relax
78       \catcode13=\the\catcode13\relax
79       \catcode32=\the\catcode32\relax
80       \catcode35=\the\catcode35\relax
81       \catcode61=\the\catcode61\relax
82       \catcode64=\the\catcode64\relax
83       \catcode123=\the\catcode123\relax
84       \catcode125=\the\catcode125\relax
85     }%
86   }%
87 \x\catcode61\catcode48\catcode32=10\relax%
88 \catcode13=5 % ^^M
89 \endlinechar=13 %
90 \catcode35=6 % #
91 \catcode64=11 % @
92 \catcode123=1 % {
93 \catcode125=2 % }
94 \def\TMP@EnsureCode#1#2{%
95   \edef\PDFCOL@AtEnd{%
96     \PDFCOL@AtEnd
97     \catcode#1=\the\catcode#1\relax
```

```
 98    }%
 99    \catcode#1=#2\relax
100  }
101  \TMP@EnsureCode{39}{12}% '
102  \TMP@EnsureCode{40}{12}% (
103  \TMP@EnsureCode{41}{12}% )
104  \TMP@EnsureCode{43}{12}% +
105  \TMP@EnsureCode{44}{12}% ,
106  \TMP@EnsureCode{46}{12}% .
107  \TMP@EnsureCode{47}{12}% /
108  \TMP@EnsureCode{91}{12}% [
109  \TMP@EnsureCode{93}{12}% ]
110  \TMP@EnsureCode{96}{12}% `
111  \edef\PDFCOL@AtEnd{\PDFCOL@AtEnd\noexpand\endinput}
```

2.3   Check requirements

\PDFCOL@RequirePackage

```
112  \begingroup\expandafter\expandafter\expandafter\endgroup
113  \expandafter\ifx\csname RequirePackage\endcsname\relax
114    \def\PDFCOL@RequirePackage#1[#2]{\input #1.sty\relax}%
115  \else
116    \def\PDFCOL@RequirePackage#1[#2]{%
117      \RequirePackage{#1}[{#2}]%
118    }%
119  \fi
```

```
120  \PDFCOL@RequirePackage{ltxcmds}[2010/03/01]
```

ifpdfcolAvailable

```
121  \ltx@newif\ifpdfcolAvailable
122  \pdfcolAvailabletrue
```

2.3.1   Check package luacolor

```
123  \ltx@newif\ifPDFCOL@luacolor
124  \begingroup\expandafter\expandafter\expandafter\endgroup
125  \expandafter\ifx\csname ver@luacolor.sty\endcsname\relax
126    \PDFCOL@luacolorfalse
127  \else
128    \PDFCOL@luacolortrue
129  \fi
```

2.3.2   Check PDF mode

```
130  \PDFCOL@RequirePackage{infwarerr}[2007/09/09]
131  \PDFCOL@RequirePackage{ifpdf}[2007/09/09]
132  \ifcase\ifpdf\ifPDFCOL@luacolor 1\fi\else 1\fi0 %
133    \def\PDFCOL@Message{%
134      \@PackageWarningNoLine{pdfcol}%
135    }%
136  \else
137    \pdfcolAvailablefalse
138    \def\PDFCOL@Message{%
139      \@PackageInfoNoLine{pdfcol}%
140    }%
141    \PDFCOL@Message{%
142      Interface disabled because of %
143      \ifPDFCOL@luacolor
144        package `luacolor'%
145      \else
146        missing PDF mode of pdfTeX%
147      \fi
148    }%
```

```
149 \fi
```

2.3.3 Check version of pdfTeX

```
150 \ifpdfcolAvailable
151   \begingroup\expandafter\expandafter\expandafter\endgroup
152   \expandafter\ifx\csname pdfcolorstack\endcsname\relax
153     \pdfcolAvailablefalse
154     \PDFCOL@Message{%
155       Interface disabled because of too old pdfTeX.\MessageBreak
156       Required is version 1.40+ for \string\pdfcolorstack
157     }%
158   \fi
159 \fi
160 \ifpdfcolAvailable
161   \begingroup\expandafter\expandafter\expandafter\endgroup
162   \expandafter\ifx\csname pdfcolorstack\endcsname\relax
163     \pdfcolAvailablefalse
164     \PDFCOL@Message{%
165       Interface disabled because of too old pdfTeX.\MessageBreak
166       Required is version 1.40+ for \string\pdfcolorstackinit
167     }%
168   \fi
169 \fi
```

2.3.4 Check `pdftex.def`

```
170 \ifpdfcolAvailable
171   \begingroup\expandafter\expandafter\expandafter\endgroup
172   \expandafter\ifx\csname @pdfcolorstack\endcsname\relax
```

Try to load package color if it is not yet loaded (LATEX case).
```
173     \begingroup\expandafter\expandafter\expandafter\endgroup
174     \expandafter\ifx\csname ver@color.sty\endcsname\relax
175       \begingroup\expandafter\expandafter\expandafter\endgroup
176       \expandafter\ifx\csname documentclass\endcsname\relax
177       \else
178         \RequirePackage[pdftex]{color}\relax
179       \fi
180     \fi
181     \begingroup\expandafter\expandafter\expandafter\endgroup
182     \expandafter\ifx\csname @pdfcolorstack\endcsname\relax
183       \pdfcolAvailablefalse
184       \PDFCOL@Message{%
185         Interface disabled because 'pdftex.def'\MessageBreak
186         is not loaded or it is too old.\MessageBreak
187         Required is version 0.04b or greater%
188       }%
189     \fi
190   \fi
191 \fi
192 \let\pdfcolAvailabletrue\relax
193 \let\pdfcolAvailablefalse\relax
```

2.4 Enabled interface macros

```
194 \ifpdfcolAvailable
```

`\pdfcolErrorNoStacks`

```
195   \let\pdfcolErrorNoStacks\relax
```

`\pdfcol@Value`

```
196   \expandafter\ifx\csname pdfcol@Value\endcsname\relax
197     \def\pdfcol@Value{0 g 0 G}%
198   \fi
```

`\pdfcol@LiteralModifier`

```
199  \expandafter\ifx\csname pdfcol@LiteralModifier\endcsname\relax
200    \def\pdfcol@LiteralModifier{direct}%
201  \fi
```

`\pdfcolInitStack`

```
202  \def\pdfcolInitStack#1{%
203    \expandafter\ifx\csname pdfcol@Stack@#1\endcsname\relax
204      \global\expandafter\chardef\csname pdfcol@Stack@#1\endcsname=%
205          \pdfcolorstackinit\pdfcol@LiteralModifier{\pdfcol@Value}%
206          \relax
207      \@PackageInfo{pdfcol}{%
208        New color stack '#1' = \number\csname pdfcol@Stack@#1\endcsname
209      }%
210    \else
211      \@PackageError{pdfcol}{%
212        Stack '#1' is already defined%
213      }\@ehc
214    \fi
215  }%
```

`\pdfcolIfStackExists`

```
216  \def\pdfcolIfStackExists#1{%
217    \expandafter\ifx\csname pdfcol@Stack@#1\endcsname\relax
218      \expandafter\@secondoftwo
219    \else
220      \expandafter\@firstoftwo
221    \fi
222  }%
```

`\@firstoftwo`

```
223  \expandafter\ifx\csname @firstoftwo\endcsname\relax
224    \long\def\@firstoftwo#1#2{#1}%
225  \fi
```

`\@secondoftwo`

```
226  \expandafter\ifx\csname @secondoftwo\endcsname\relax
227    \long\def\@secondoftwo#1#2{#2}%
228  \fi
```

`\pdfcolSwitchStack`

```
229  \def\pdfcolSwitchStack#1{%
230    \pdfcolIfStackExists{#1}{%
231      \expandafter\let\expandafter\@pdfcolorstack
232                      \csname pdfcol@Stack@#1\endcsname
233    }{%
234      \pdfcol@ErrorNoStack{#1}%
235    }%
236  }%
```

`\pdfcolSetCurrentColor`

```
237  \def\pdfcolSetCurrentColor{%
238    \pdfcolorstack\@pdfcolorstack set{\current@color}%
239  }%
```

`\pdfcolSetCurrent`

```
240  \def\pdfcolSetCurrent#1{%
241    \ifx\\#1\\%
242      \pdfcolorstack\@pdfcolorstack current\relax
243    \else
```

```
244     \pdfcolIfStackExists{#1}{%
245        \pdfcolorstack\csname pdfcol@Stack@#1\endcsname current\relax
246     }{%
247        \pdfcol@ErrorNoStack{#1}%
248     }%
249   \fi
250  }%
```

\pdfcol@ErrorNoStack

```
251  \def\pdfcol@ErrorNoStack#1{%
252    \@PackageError{pdfcol}{Stack '#1' does not exists}\@ehc
253  }%
```

2.5 Disabled interface macros

```
254 \else
```

\pdfcolErrorNoStacks

```
255  \def\pdfcolErrorNoStacks{%
256    \@PackageError{pdfcol}{%
257      Color stacks are not available%
258    }{%
259      Update pdfTeX (1.40) and 'pdftex.def' (0.04b) %
260        if necessary.\MessageBreak
261      Ensure that 'pdftex.def' is loaded %
262        (package 'color' or 'xcolor').\MessageBreak
263      Further messages can be found in TeX's %
264        protocol file '\jobname.log'.\MessageBreak
265      \MessageBreak
266      \@ehc
267    }%
268    \global\let\pdfcolErrorNoStacks\relax
269  }%
```

\PDFCOL@Disabled

```
270  \def\PDFCOL@Disabled{%
271    \PDFCOL@Message{%
272      pdfTeX's color stacks are not available%
273    }%
274    \global\let\PDFCOL@Disabled\relax
275  }%
```

\pdfcolInitStack

```
276  \def\pdfcolInitStack#1{%
277    \PDFCOL@Disabled
278  }%
```

\pdfcolIfStackExists

```
279  \long\def\pdfcolIfStackExists#1#2#3{#3}%
```

\pdfcolSwitchStack

```
280  \def\pdfcolSwitchStack#1{%
281    \PDFCOL@Disabled
282  }%
```

\pdfcolSetCurrentColor

```
283  \def\pdfcolSetCurrentColor{%
284    \PDFCOL@Disabled
285  }%
```

```
286    \def\pdfcolSetCurrent#1{%
287      \PDFCOL@Disabled
288    }%

289  \fi

290  \PDFCOL@AtEnd%
291  ⟨/package⟩
```

3 Test

3.1 Catcode checks for loading

```
292  ⟨*test1⟩

293  \catcode`\{=1 %
294  \catcode`\}=2 %
295  \catcode`\#=6 %
296  \catcode`\@=11 %
297  \expandafter\ifx\csname count@\endcsname\relax
298    \countdef\count@=255 %
299  \fi
300  \expandafter\ifx\csname @gobble\endcsname\relax
301    \long\def\@gobble#1{}%
302  \fi
303  \expandafter\ifx\csname @firstofone\endcsname\relax
304    \long\def\@firstofone#1{#1}%
305  \fi
306  \expandafter\ifx\csname loop\endcsname\relax
307    \expandafter\@firstofone
308  \else
309    \expandafter\@gobble
310  \fi
311  {%
312    \def\loop#1\repeat{%
313      \def\body{#1}%
314      \iterate
315    }%
316    \def\iterate{%
317      \body
318        \let\next\iterate
319      \else
320        \let\next\relax
321      \fi
322      \next
323    }%
324    \let\repeat=\fi
325  }%
326  \def\RestoreCatcodes{}
327  \count@=0 %
328  \loop
329    \edef\RestoreCatcodes{%
330      \RestoreCatcodes
331      \catcode\the\count@=\the\catcode\count@\relax
332    }%
333  \ifnum\count@<255 %
334    \advance\count@ 1 %
335  \repeat
336
337  \def\RangeCatcodeInvalid#1#2{%
338    \count@=#1\relax
339    \loop
```

9

```
340     \catcode\count@=15 %
341   \ifnum\count@<#2\relax
342     \advance\count@ 1 %
343   \repeat
344 }
345 \def\RangeCatcodeCheck#1#2#3{%
346   \count@=#1\relax
347   \loop
348     \ifnum#3=\catcode\count@
349     \else
350       \errmessage{%
351         Character \the\count@\space
352         with wrong catcode \the\catcode\count@\space
353         instead of \number#3%
354       }%
355     \fi
356   \ifnum\count@<#2\relax
357     \advance\count@ 1 %
358   \repeat
359 }
360 \def\space{ }
361 \expandafter\ifx\csname LoadCommand\endcsname\relax
362   \def\LoadCommand{\input pdfcol.sty\relax}%
363 \fi
364 \def\Test{%
365   \RangeCatcodeInvalid{0}{47}%
366   \RangeCatcodeInvalid{58}{64}%
367   \RangeCatcodeInvalid{91}{96}%
368   \RangeCatcodeInvalid{123}{255}%
369   \catcode'\@=12 %
370   \catcode'\\=0 %
371   \catcode'\%=14 %
372   \LoadCommand
373   \RangeCatcodeCheck{0}{36}{15}%
374   \RangeCatcodeCheck{37}{37}{14}%
375   \RangeCatcodeCheck{38}{47}{15}%
376   \RangeCatcodeCheck{48}{57}{12}%
377   \RangeCatcodeCheck{58}{63}{15}%
378   \RangeCatcodeCheck{64}{64}{12}%
379   \RangeCatcodeCheck{65}{90}{11}%
380   \RangeCatcodeCheck{91}{91}{15}%
381   \RangeCatcodeCheck{92}{92}{0}%
382   \RangeCatcodeCheck{93}{96}{15}%
383   \RangeCatcodeCheck{97}{122}{11}%
384   \RangeCatcodeCheck{123}{255}{15}%
385   \RestoreCatcodes
386 }
387 \Test
388 \csname @@end\endcsname
389 \end

390 ⟨/test1⟩
```

3.2   Very simple test

```
391 ⟨*test2 | test3⟩
392 \NeedsTeXFormat{LaTeX2e}
393 \nofiles
394 \documentclass{article}
395 \usepackage{pdfcol}[2007/12/12]
396 \usepackage{qstest}
397 \IncludeTests{*}
398 \LogTests{log}{*}{*}
399 \begin{document}
```

```
400    \begin{qstest}{pdfcol}{}%
401      \makeatletter
```
402 ⟨*test2⟩
```
403      \Expect*{\ifpdfcolAvailable true\else false\fi}{false}%
```
404 ⟨/test2⟩
405 ⟨*test3⟩
```
406      \Expect*{\ifpdfcolAvailable true\else false\fi}{true}%
407      \Expect*{\number\@pdfcolorstack}{0}%
```
408 ⟨/test3⟩
```
409      \setbox0=\hbox{%
410        \pdfcolInitStack{test}%
```
411 ⟨*test3⟩
```
412        \Expect*{\number\pdfcol@Stack@test}{1}%
413        \Expect*{\number\@pdfcolorstack}{0}%
```
414 ⟨/test3⟩
```
415      \pdfcolSwitchStack{test}%
```
416 ⟨*test3⟩
```
417        \Expect*{\number\@pdfcolorstack}{1}%
```
418 ⟨/test3⟩
```
419        \pdfcolSetCurrent{test}%
420        \pdfcolSetCurrent{}%
421      }%
422      \Expect*{\the\wd0}{0.0pt}%
```
423 ⟨*test3⟩
```
424      \Expect*{\number\@pdfcolorstack}{0}%
425      \Expect*{\number\pdfcol@Stack@test}{1}%
426      \Expect*{\pdfcolIfStackExists{test}{true}{false}}{true}%
```
427 ⟨/test3⟩
```
428      \Expect*{\pdfcolIfStackExists{dummy}{true}{false}}{false}%
429    \end{qstest}%
430  \end{document}
```
431 ⟨/test2 | test3⟩

3.3 Detection of package **luacolor**

432 ⟨*test4⟩
```
433 \NeedsTeXFormat{LaTeX2e}
434 \documentclass{article}
435 \usepackage{luacolor}
436 \usepackage{pdfcol}
437 \makeatletter
438 \ifpdfcolAvailable
439   \@latex@error{Detection of package luacolor failed}%
440 \fi
441 \csname @@end\endcsname
```
442 ⟨/test4⟩

4 Installation

4.1 Download

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

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

CTAN:macros/latex/contrib/oberdiek/pdfcol.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

---

[1]ftp://ftp.ctan.org/tex-archive/

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 pdfcol.dtx
```

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

```
pdfcol.sty             → tex/generic/oberdiek/pdfcol.sty
pdfcol.pdf             → doc/latex/oberdiek/pdfcol.pdf
test/pdfcol-test1.tex → doc/latex/oberdiek/test/pdfcol-test1.tex
test/pdfcol-test2.tex → doc/latex/oberdiek/test/pdfcol-test2.tex
test/pdfcol-test3.tex → doc/latex/oberdiek/test/pdfcol-test3.tex
test/pdfcol-test4.tex → doc/latex/oberdiek/test/pdfcol-test4.tex
pdfcol.dtx             → source/latex/oberdiek/pdfcol.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`.

4.4 Refresh file name databases

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

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 pdfcol.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{pdfcol.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 pdfcol.dtx
makeindex -s gind.ist pdfcol.idx
pdflatex pdfcol.dtx
makeindex -s gind.ist pdfcol.idx
pdflatex pdfcol.dtx
```

5 History

[2007/09/09 v1.0]

- First version.

[2007/12/09 v1.1]

- `\pdfcolSetCurrentColor` added.

[2007/12/12 v1.2]

- Detection for package luacolor added.

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.

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