# The pdfcol package

# Heiko Oberdiek\* 2022-09-21 v1.7

#### 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. It works also with luaTEX.

## Contents

1	Doo	cumentation			
	1.1	Requirements			
	1.2	Interface			
2	Imp	plementation			
	2.1	Reload check and package identification			
	2.2	Catcodes			
	2.3	Check requirements			
		2.3.1 Check package luacolor			
		2.3.2 Check PDF mode			
		2.3.3 Check version of pdfT <sub>E</sub> X			
		2.3.4 Check pdftex.def			
	2.4	Enabled interface macros			
	2.5	Disabled interface macros			
3	Installation				
	3.1	Download			
	3.2	Package installation			
	3.3	Refresh file name databases			
	3.4	Some details for the interested			
4	His	History			
	[200	7/09/09 v1.0]			
	[200	7/12/09  v1.1]			
		7/12/12  v1.2			
		6/05/16 v1.3]			
	[201]	0/00/10 11.0]			
	[201	6/05/17 v1.4]			
	[201 [201				

<sup>\*</sup>Please report any issues at https://github.com/ho-tex/pdfcol/issues

### 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

- pdfT<sub>E</sub>X 1.40 or greater or luaT<sub>E</sub>X.
- pdfTeXor luaTeX in PDF mode. (I don't know a DVI driver that support several color stacks.)
- pdftex.def or luatex.def newer than 2007.

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 and luaTeX not used in PDF mode.

#### \pdfcolErrorNoStacks

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

#### $\pdfcolInitStack \{\langle name \rangle\}$

A new color stack is initialized by  $\pdfcolInitStack$ . The  $\langle name \rangle$  is used for identifying the stack. It usually consists of letters and digits. (The name must survive a  $\c$ sname.)

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  $pdfT_FX$  for  $pdfliteral direct{...}$ ).

### $\verb| \pdfcolifStackExists { | \langle name \rangle } { \langle then \rangle } { \langle else \rangle }$

Macro \pdfcollfStackExists checks whether color stack  $\langle name \rangle$  exists. In case of success argument  $\langle then \rangle$  is executed and  $\langle else \rangle$  otherwise.

```
\pdfcolSwitchStack \{\langle name \rangle\}
```

Macro \pdfcolSwitchStack switches the color stack. The color macros of package color (or xcolor) now uses the new color stack with name  $\langle name \rangle$ .

#### \pdfcolSetCurrentColor

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

```
\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\protect\pro
```

Macro \pdfcolSetCurrent sets the color that is read in the top-most entry of color stack  $\langle name \rangle$ . If  $\langle name \rangle$  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%
    \catcode13=5 % ^^M
    \endlinechar=13 %
    \catcode35=6 % #
 5
    \catcode39=12 % '
 6
    \catcode44=12 % ,
    \catcode45=12 % -
    \catcode46=12 % .
    \catcode58=12 % :
10
11
    \catcode64=11 % @
12
    \catcode123=1 % {
13
    \catcode125=2 % }
    \verb|\expandafter\x\csname| ver@pdfcol.sty\endcsname| |
14
    \ifx\x\relax % plain-TeX, first loading
15
16
     \else
       \def\empty{}%
17
       \ifx\x\empty % LaTeX, first loading,
18
         % variable is initialized, but \ProvidesPackage not yet seen
19
20
21
         \expandafter\ifx\csname PackageInfo\endcsname\relax
22
           \def\x#1#2{%}
             \immediate\write-1{Package #1 Info: #2.}%
23
           ጉ%
24
         \else
25
           \def\x#1#2{\PackageInfo{#1}{#2, stopped}}%
26
27
         \x{pdfcol}{The package is already loaded}%
28
         \aftergroup\endinput
29
30
       \fi
     \fi
31
32 \endgroup%
Package identification:
33 \begingroup\catcode61\catcode48\catcode32=10\relax%
34
    \catcode13=5 % ^^M
35
    \endlinechar=13 %
    \catcode35=6 % #
36
    \catcode39=12 % '
37
    \catcode40=12 % (
```

```
\catcode41=12 % )
39
    \colone{1} \catcode44=12 % ,
40
    \catcode45=12 % -
41
    \catcode46=12 % .
42
    \catcode47=12 % /
43
44
    \catcode58=12 % :
    \catcode64=11 % @
45
46
    \catcode91=12 % [
    \catcode93=12 % ]
47
    \color=123=1 \% {
48
    \catcode125=2 % }
49
    \expandafter\ifx\csname ProvidesPackage\endcsname\relax
50
51
       \def\x#1#2#3[#4]{\endgroup
         \immediate\write-1{Package: #3 #4}%
52
         \xdef#1{#4}%
53
54
      }%
55
    \else
      \def \x#1#2[#3] {\endgroup}
56
         #2[{#3}]%
57
58
         \ifx#1\@undefined
           \xdef#1{#3}%
59
         \fi
60
         \int x#1\relax
61
           \xdef#1{#3}%
62
         \fi
63
      }%
64
65
    \fi
66 \expandafter\x\csname ver@pdfcol.sty\endcsname
67 \ProvidesPackage{pdfcol}%
    [2022-09-21 v1.7 Handle new color stacks for pdfTeX (HO)]%
68
```

#### 2.2 Catcodes

```
69 \begingroup\catcode61\catcode48\catcode32=10\relax%
   \catcode13=5 % ^^M
70
    \endlinechar=13 %
71
    \catcode123=1 % {
72
    \catcode125=2 % }
73
    \catcode64=11 % @
74
75
    \def\x{\endgroup
      \expandafter\edef\csname PDFCOL@AtEnd\endcsname{%
76
77
        \endlinechar=\the\endlinechar\relax
78
        \catcode13=\the\catcode13\relax
79
        \catcode32=\the\catcode32\relax
        \catcode35=\the\catcode35\relax
80
        \catcode61=\the\catcode61\relax
81
        \catcode64=\the\catcode64\relax
82
        \catcode123=\the\catcode123\relax
83
        \catcode125=\the\catcode125\relax
84
      }%
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
     \catcode#1=#2\relax
99
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
112 \ifcsname RequirePackage\endcsname
     \def\PDFCOL@RequirePackage#1[#2]{%
114
       \RequirePackage{#1}[{#2}]%
    }%
115
116 \else
117 \def\PDFCOL@RequirePackage#1[#2]{\input #1.sty\relax}%
118 \fi
   LuaTeX Compatability
119 \ifx\pdfextension\@undefined\else
120 \def\pdfcolorstackinit {\pdffeedback colorstackinit}
121 \protected\def\pdfcolorstack
                                      {\pdfextension colorstack}
123 \PDFCOL@RequirePackage{ltxcmds}[2010/03/01]
124 \ltx@newif\ifpdfcolAvailable
125 \pdfcolAvailabletrue
2.3.1 Check package luacolor
126 \ltx@newif\ifPDFCOL@luacolor
127 \ifcsname ver@luacolor.sty\endcsname
   \PDFC0L@luacolortrue
129 \else
130 \PDFCOL@luacolorfalse
131 \fi
2.3.2 Check PDF mode
132 \PDFCOL@RequirePackage{infwarerr}[2007/09/09]
133 \PDFCOL@RequirePackage{iftex}[2019/11/07]
134 \ifcase\ifpdf\ifPDFCOL@luacolor 1\fi\else 1\fi0 %
135
     \def\PDFCOL@Message{%
       \@PackageWarningNoLine{pdfcol}%
136
    }%
137
138 \ensuremath{\setminus} else
     \pdfcolAvailablefalse
139
     \def\PDFCOL@Message{%
140
       \@PackageInfoNoLine{pdfcol}%
141
142
     \PDFCOL@Message{%
143
144
       Interface disabled because of %
145
       \ifPDFCOL@luacolor
146
         package 'luacolor'%
```

\PDFCOL@RequirePackage

ifpdfcolAvailable

```
147  \else
148    missing PDF mode of pdfTeX%
149  \fi
150  }%
151 \fi
```

#### 2.3.3 Check version of pdfTeX

The version check has been removed. We assume a new enough pdfTEX.

#### 2.3.4 Check pdftex.def

```
We no longer check the version but assume that it is new enough.

152 \ifpdfcolAvailable

Try to load package color if it is not yet loaded (LATEX case).

153 \ifcsname documentclass\endcsname

154 \RequirePackage{color}

155 \fi

156 \fi

157 \let\pdfcolAvailabletrue\relax

158 \let\pdfcolAvailablefalse\relax
```

#### 2.4 Enabled interface macros

```
| 159 \ifpdfcolAvailable |
| \pdfcolErrorNoStacks | 160 | \let\pdfcolErrorNoStacks\relax |
| \pdfcol@Value | 161 | \expandafter\ifx\csname pdfcol@Value\endcsname\relax |
| 162 | \def\pdfcol@Value\0 g 0 G\% |
| 163 | \fi |
| \pdfcol@LiteralModifier |
| 164 | \expandafter\ifx\csname pdfcol@LiteralModifier\endcsname\relax |
| 165 | \expandafter\ifx\csname pdfcol@LiteralModifier\endcsname\relax |
| 166 | \expandafter\ifx\csname pdfcol@LiteralModifier\endcsname\relax |
| 167 | \expandafter\ifx\csname pdfcol@LiteralModifier\endcsname\relax |
| 168 | \expandafter\ifx\csname pdfcol@LiteralModifier\endcsname\relax |
| 169 | \text{Volume of the pdfcol@LiteralModifier} |
| 160 | \text{Volume of the pdfcol@LiteralModifier} |
| 161 | \text{Volume of the pdfcol@LiteralModifier} |
| 162 | \text{Volume of the pdfcol@LiteralModifier} |
| 163 | \text{Volume of the pdfcol@LiteralModifier} |
| 164 | \text{Volume of the pdfcol@LiteralModifier} |
| 165 | \text{Volume of the pdfcol@LiteralModifier} |
| 166 | \text{Volume of the pdfcol@LiteralModifier} |
| 167 | \text{Volume of the pdfcol@LiteralModifier} |
| 168 | \text{Volume of the pdfcol@LiteralModifier} |
| 169 | \text{Volume of the pdfcol@LiteralModifier} |
| 160 | \text{Volume of the pdfcol@LiteralModifier} |
| 160 | \text{Volume of the pdfcol@LiteralModifier} |
| 161 | \text{Volume of the pdfcol@LiteralModifier} |
| 162 | \text{Volume of the pdfcol@LiteralModifier} |
| 163 | \text{Volume of the pdfcol@LiteralModifier} |
| 164 | \text{Volume of the pdfcol@LiteralModifier} |
| 165 | \text{Volume of the pdfcol@LiteralModifier} |
| 166 | \text{Volume of the pdfcol@LiteralModifier} |
| 167 | \text{Volume of the pdfcol@LiteralModifier} |
| 168 | \text{Volume of the pdfcol@LiteralModifier} |
| 169 | \text{Volume of the pdfcol@LiteralModifier} |
| 160 | \text{Volume of the
```

\def\pdfcol@LiteralModifier{direct}%

\pdfcolInitStack

165

166

\fi

```
167
       \expandafter\ifx\csname pdfcol@Stack@#1\endcsname\relax
168
         \global\expandafter\chardef\csname pdfcol@Stack@#1\endcsname=%
169
170
             \pdfcolorstackinit\pdfcol@LiteralModifier{\pdfcol@Value}%
171
             \relax
172
         \@PackageInfo{pdfcol}{%
173
          New color stack '#1' = \number\csname pdfcol@Stack@#1\endcsname
174
         }%
175
       \else
         \@PackageError{pdfcol}{%
176
          Stack '#1' is already defined%
177
         }\@ehc
178
179
       \fi
180
    }%
```

\pdfcolIfStackExists

```
181 \def\pdfcolIfStackExists#1{%
182 \expandafter\ifx\csname pdfcol@Stack@#1\endcsname\relax
183 \expandafter\@secondoftwo
184 \else
185 \expandafter\@firstoftwo
186 \fi
187 }%
```

```
\@firstoftwo
                              \expandafter\ifx\csname @firstoftwo\endcsname\relax
                        188
                        189
                                \long\def\@firstoftwo#1#2{#1}%
                        190
                              \fi
         \@secondoftwo
                              \expandafter\ifx\csname @secondoftwo\endcsname\relax
                        191
                                \long\def\@secondoftwo#1#2{#2}%
                        192
                              \fi
                        193
    \pdfcolSwitchStack
                        194
                              \def\pdfcolSwitchStack#1{%
                        195
                                \pdfcolIfStackExists{#1}{%
                        196
                                  \expandafter\let\expandafter\@pdfcolorstack
                        197
                                                   \csname pdfcol@Stack@#1\endcsname
                                }{%
                        198
                                  \pdfcol@ErrorNoStack{#1}%
                        199
                                }%
                        200
                             }%
                        201
\pdfcolSetCurrentColor
                              \def\pdfcolSetCurrentColor{%
                        202
                                \pdfcolorstack\@pdfcolorstack set{\current@color}%
                        203
                        204
     \pdfcolSetCurrent
                        205
                              \def\pdfcolSetCurrent#1{%
                        206
                                \ifx\\#1\\%
                        207
                                  \pdfcolorstack\@pdfcolorstack current\relax
                        208
                                  \pdfcolIfStackExists{#1}{%
                        209
                                    \pdfcolorstack\csname pdfcol@Stack@#1\endcsname current\relax
                        210
                        211
                        212
                                    \pdfcol@ErrorNoStack{#1}%
                                  }%
                        213
                        214
                                \fi
                             }%
                        215
  \pdfcol@ErrorNoStack
                        216
                              \def\pdfcol@ErrorNoStack#1{%
                                \@PackageError{pdfcol}{Stack '#1' does not exists}\@ehc
                        217
                        218
                             }%
                               Disabled interface macros
                        2.5
                        219 \ensuremath{\setminus} else
  \pdfcolErrorNoStacks
                        220
                              \def\pdfcolErrorNoStacks{%
                        221
                                \@PackageError{pdfcol}{%
                                  Color stacks are not available%
                        222
                        223
                                }{%
                                  Update pdfTeX (1.40) and 'pdftex.def' (0.04b) \%
                        224
                        225
                                      if necessary.\MessageBreak
                                  Ensure that 'pdftex.def' is loaded %
                        226
                        227
                                      (package 'color' or 'xcolor').\MessageBreak
                        228
                                  Further messages can be found in TeX's %
                        229
                                      protocol file '\jobname.log'.\MessageBreak
                        230
                                  \MessageBreak
                        231
                                  \@ehc
                                }%
                        232
                                \global\let\pdfcolErrorNoStacks\relax
                        233
                             }%
                        234
```

```
\PDFCOL@Disabled
                               \def\PDFCOL@Disabled{%
                         235
                         236
                                 \PDFCOL@Message{%
                         237
                                   pdfTeX's color stacks are not available%
                         238
                                 \global\let\PDFCOL@Disabled\relax
                         239
                              }%
                         240
      \pdfcolInitStack
                         241
                               \def\pdfcolInitStack#1{%
                         242
                                 \PDFCOL@Disabled
                         243
  \pdfcolIfStackExists
                         244
                               \long\def\pdfcolIfStackExists#1#2#3{#3}%
    \pdfcolSwitchStack
                               \def\pdfcolSwitchStack#1{%
                         245
                                 \PDFCOL@Disabled
                         246
                         247
                              ጉ%
\pdfcolSetCurrentColor
                         248
                               \def\pdfcolSetCurrentColor{%
                                 \PDFCOL@Disabled
                         249
                              }%
                         250
     \pdfcolSetCurrent
                               \def\pdfcolSetCurrent#1{%
                         251
                                 \PDFCOL@Disabled
                         252
                         253
                         254 \fi
                         255 \PDFCOL@AtEnd%
                         256 \langle /package \rangle
```

## 3 Installation

#### 3.1 Download

**Package.** This package is available on CTAN<sup>1</sup>:

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

 ${\tt CTAN:macros/latex/contrib/pdfcol/pdfcol.pdf}\ \ Documentation.$ 

## 3.2 Package installation

**Unpacking.** The .dtx file is a self-extracting docstrip archive. The files are extracted by running the .dtx through plain T<sub>E</sub>X:

```
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):

```
\label{eq:pdfcol.sty} $\operatorname{pdfcol.sty} \to \operatorname{tex/generic/pdfcol/pdfcol.sty} $\operatorname{pdfcol.pdf} \to \operatorname{doc/latex/pdfcol/pdfcol.pdf} $\operatorname{pdfcol.dtx} \to \operatorname{source/latex/pdfcol/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.

<sup>1</sup>CTAN:pkg/pdfcol

#### 3.3 Refresh file name databases

If your T<sub>E</sub>X distribution (T<sub>E</sub>X Live, MiKT<sub>E</sub>X, ...) relies on file name databases, you must refresh these. For example, T<sub>E</sub>X Live users run texhash or mktexlsr.

### 3.4 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{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 pdfIATEX:

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

## 4 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.

### [2016/05/16 v1.3]

• Documentation updates.

### [2016/05/17 v1.4]

• Use luatex85 package for new luatex compatibility

### [2018/11/01 v1.5]

• Remove luatex85 dependency

## [2019/12/29 v1.6]

• iftex package.

## [2022-09-21 v1.7]

 $\bullet$  Improved luatex compatitiblity, removed unneeded version checks.

## 5 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	${f L}$
\@PackageError 176, 217, 221	\ltx@newif 124, 126
\@PackageInfo	,
\@PackageInfoNoLine 141	${f M}$
\@PackageWarningNoLine 136	\MessageBreak 225, 227, 229, 230
\@ehc 178, 217, 231	<b>N</b> .T
\@firstoftwo 185, <u>188</u>	N 179
\@pdfcolorstack 196, 203, 207	\number 173
\@secondoftwo 183, <u>191</u>	P
\@undefined 58, 119	\PackageInfo 26
\\	\PDFCOL@AtEnd 95, 96, 111, 255
	\PDFC0L@Disabled <u>235, 242, 246, 249, 252</u>
${f A}$	\pdfcol@ErrorNoStack 199, 212, 216
\aftergroup 29	\pdfcol@LiteralModifier 164, 170
•	\PDFCOL@luacolorfalse 130
${f C}$	\PDFCOL@luacolortrue 128
\catcode $2, 3, 5, 6, 7, 8, 9, 10, 11, 12,$	\PDFC0L@Message 135, 140, 143, 236
13, 33, 34, 36, 37, 38, 39, 40, 41,	\PDFCOL@RequirePackage
42, 43, 44, 45, 46, 47, 48, 49, 69,	112, 123, 132, 133
70, 72, 73, 74, 78, 79, 80, 81, 82,	\pdfcol@Value <u>161</u> , 170
83, 84, 87, 88, 90, 91, 92, 93, 97, 99	\pdfcolAvailablefalse 139, 158
\chardef 169	\pdfcolAvailabletrue 125, 157
\csname 14,	\pdfcolErrorNoStacks 2, 160, 220
21, 50, 66, 76, 161, 164, 168,	\pdfcolIfStackExists
169, 173, 182, 188, 191, 197, 210	2, 181, 195, 209, 244
\current@color 203	\pdfcolInitStack $2$ , $\underline{167}$ , $\underline{241}$
_	\pdfcolorstack 121, 203, 207, 210
E	\pdfcolorstackinit 120, 170
\empty 17, 18	\pdfcolSetCurrent $3, 205, 251$
\endcsname 14, 21, 50, 66,	\pdfcolSetCurrentColor $3$ , $202$ , $248$
76, 112, 127, 153, 161, 164, 168,	\pdfcolSwitchStack $3$ , $\underline{194}$ , $\underline{245}$
169, 173, 182, 188, 191, 197, 210	\pdfextension 119, 121
\endinput	\pdffeedback 120
\endlinechar 4, 35, 71, 77, 89	\protected 121
I	\ProvidesPackage 19, 67
\ifcase 134	R
\ifcsname 112, 127, 153	\RequirePackage 114, 154
\ifpdf	,,,,
\ifPDFCOL@luacolor 126, 134, 145	${f T}$
\ifpdfcolAvailable 2, <u>124</u> , 124, 152, 159	\the $77, 78, 79, 80, 81, 82, 83, 84, 97$
\ifx 15, 18, 21, 50, 58, 61, 119,	$\verb \TMP@EnsureCode  . 94, 101, 102, 103,$
161, 164, 168, 182, 188, 191, 206	104, 105, 106, 107, 108, 109, 110
\immediate	W
\input 117	\write 23, 52
-	(
${f J}$	$\mathbf{X}$
\jobname 229	\x 14, 15, 18, 22, 26, 28, 51, 56, 66, 75, 87