CTAN:macros/latex/contrib/oberdiek/

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2021/11/15

1 Overview

aliascnt (contents)	Alias counters	[ctan]
bmpsize (contents)	Extract size/resolution from bitmap files	[ctan]
centernot (contents)	Centers the not symbol horizontally	[ctan]
chemarr (contents)	Arrows for chemical reactions	[ctan]
classlist (contents)	Record classes used in a document	[ctan]
colonequals (contents)	Colon equals symbols	[ctan]
dvipscol (contents)	Alter the usage of the dvips color stack	[ctan]
engord (contents)	Provides English ordinal numbers	[ctan]
enparen (contents)	Parentheses nesting	[ctan]
eolgrab (contents)	Catch arguments delimited by end of line	[ctan]
fibnum (contents)	Fibonacci numbers	[ctan]

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

flags (contents)	Setting/clearing of flags in bit fields	[ctan]
holtxdoc (contents)	Private additional ltxdoc support	[ctan]
hypbmsec (contents)	Bookmarks in sectioning commands	[ctan]
hypcap (contents)	Adjusting the anchors of captions	[ctan]
hypgotoe (contents)	Links to embedded files	[ctan]
hyphsubst (contents)	Substitute hyphenation patterns	[ctan]
ifdraft (contents)	Detect class options draft and final	[ctan]
iflang (contents)	Checks for the current language	[ctan]
pagegrid (contents)	Print page grid in background	[ctan]
pdfcol (contents)	Handle new color stacks for pdfTeX	[ctan]
pdfcolfoot (contents)	Color stack for footnotes with pdfTeX	[ctan]
pdfcolparallel (contents)	Color stacks support for parallel	[ctan]
pdfcolparcolumns (contents)	Color stacks for parcolumns	[ctan]
pdfcrypt (contents)	Allows the setting of PDF encryption	[ctan]
pdfrender (contents)	Access to some PDF graphics parameters	[ctan]
protecteddef (contents)	Define protected commands	[ctan]
resizegather (contents)	Resize overly large equations	[ctan]
rotchiffre (contents)	Perform simple rotation ciphers	[ctan]

scrindex (contents)	Package index with KOMA-Script classes	[ctan]
setouterhbox (contents)	Set hbox in outer horizontal mode	[ctan]
settobox (contents)	Assign box dimensions to length registers	[ctan]
stackrel (contents)	Adding subscript option to stackrel	[ctan]
stampinclude (contents)	Include files based on time stamps	[ctan]
tabularht (contents)	Tabular with height specified	[ctan]
tabularkv (contents)	Tabular with key value interface	[ctan]
telprint (contents)	Format German phone numbers	[ctan]
thepdfnumber (contents)	Print PDF numbers with minimal digits	[ctan]
twoopt (contents)	Definitions with two optional arguments	[ctan]

2 Packages

The aliascnt package

Abstract

Package aliascnt introduces *alias counters* that share the same counter register and clear list.

1 User interface **2**
1.1 Introduction 2
1.2 Syntax 2

2 Implementation **2**
2.1 Identification 2
2.2 Create new alias counter 2
2.3 Counter clear list 3

3 Installation **4**
3.1 Download 4
3.2 Bundle installation 4

3.3 Package installation 4
3.4 Refresh file name databases 4
3.5 Some details for the interested 4

4 Acknowledgement **5**

5 References **5**

6 History **5**
[2006/02/20 v1.0] 5
[2006/08/16 v1.1] 5
[2006/09/25 v1.2] 5
[2009/09/08 v1.3] 5
[2016/05/16 v1.4] 6
[2018/09/07 v1.5] 6

7 Index **6**

The bmpsize package

Abstract

Package bmpsize analyzes bitmap images to extract size and resolution data. It adds this feature to the graphics package that now do not need separate bounding box files for bitmap images. Additionally the implementation for the inclusion of bitmap images in some drivers of package graphicx are rewritten to support options viewport, trim and clip.

1 Documentation **2**
1.1 Introduction . . . 2
1.2 Bitmap image parsers . . . 3
1.2.1 User interface . . . 3
1.2.2 Hints . . . 4
1.2.3 Test program . . . 4
1.2.4 Interface for programmers . . . 4
1.3 Improved bitmap inclusion . . . 4

2 Implementation **5**
2.1 Basic package bmpsize-base . . . 5
2.2 Bitmap formats . . . 12
2.2.1 png . . . 12
2.2.2 jpg . . . 13
2.2.3 bmp . . . 22
2.2.4 gif . . . 24
2.2.5 tiff . . . 25
2.2.6 pnm . . . 28
2.2.7 pam . . . 32
2.2.8 xpm . . . 39
2.2.9 tga . . . 44
2.2.10 pcx . . . 46
2.2.11 msp . . . 47
2.2.12 sgi . . . 48
2.3 Package bmpsize . . . 49
2.4 Drivers . . . 52
2.4.1 dvips . . . 52
2.4.2 dvipdfm and dvipdfmx . . . 54
2.5 Test program bmpsize-test.tex . . . 57

3 Installation **59**
3.1 Download . . . 59
3.2 Bundle installation . . . 60
3.3 Package installation . . . 60
3.4 Refresh file name databases . . . 60
3.5 Some details for the interested . . . 60

4 References **61**
4.1 URLs for bitmap format descriptions . . . 61
4.1.1 JPEG . . . 61
4.1.2 PNG . . . 61
4.1.3 GIF . . . 61
4.1.4 BMP . . . 61
4.1.5 PCX . . . 61
4.1.6 MSP . . . 61
4.1.7 TIFF . . . 61
4.1.8 TGA . . . 62
4.1.9 SGI . . . 62
4.1.10 WMF . . . 62
4.1.11 XPM . . . 62

5 History **62**
[2006/08/24 v1.0] . . . 62
[2007/02/18 v1.1] . . . 62
[2007/04/11 v1.2] . . . 62
[2007/05/01 v1.3] . . . 62
[2007/11/11 v1.4] . . . 62
[2008/08/11 v1.5] . . . 63
[2009/09/04 v1.6] . . . 63
[2016/05/16 v1.7] . . . 63
[2019/12/29 v1.8] . . . 63

6 Index **63**

The centernot package

Abstract

This package provides \centernot that prints the symbol \not on the following argument. Unlike \not the symbol is horizontally centered.

1 User interface **1**

2 Implementation **2**

3 Installation **2**
3.1 Download . . . 2
3.2 Bundle installation . . . 3
3.3 Package installation . . . 3
3.4 Refresh file name databases . . . 3
3.5 Some details for the interested . . . 3

4 History **4**
[2006/12/02 v1.0] . . . 4
[2007/05/31 v1.1] . . . 4
[2010/03/29 v1.2] . . . 4
[2011/07/11 v1.3] . . . 4
[2016/05/16 v1.4] . . . 4

5 Index **4**

The chemarr package

Abstract

Very often chemists need a longer version of reaction arrows (`\rightleftharpoons`) with the possibility to put text above and below. Analogous to amsmath's `\xrightarrow` and `\xleftarrow` this package provides the macro `\xrightleftharpoons`.

1 Usage **1**
1.1 Example 2

2 Implementation **2**

3 Installation **3**
3.1 Download 3
3.2 Bundle installation 3
3.3 Package installation 3
3.4 Refresh file name databases 4
3.5 Some details for the interested 4

4 History **4**
[2001/06/21 v1.0] 4
[2001/06/22 v1.1] 4
[2006/02/20 v1.2] 5
[2016/05/16 v1.3] 5

5 Index **5**

The classlist package

Abstract

This package records the loaded classes and stores them in a list.

1 Documentation **1**
1.1 Background 1
1.2 Usage 2

2 Implementation **2**

3 Installation **4**
3.1 Download 4
3.2 Bundle installation 5
3.3 Package installation 5
3.4 Refresh file name databases 5
3.5 Some details for the interested 5

4 History **6**
[2005/06/19 v1.0] 6
[2005/06/19 v1.1] 6
[2006/02/20 v1.2] 6
[2008/08/11 v1.3] 6
[2011/10/17 v1.4] 6
[2016/05/16 v1.5] 6

5 Index **6**

The colonequals package

Abstract

Package colonequals defines poor man's symbols for math relation symbols such as "colon equals". The colon is centered around the horizontal math axis.

1 User interface **1**
1.1 Introduction . . . 1
1.2 Symbols . . . 2
1.3 Fine tuning . . . 3
1.3.1 Example . . . 3

2 Implementation **3**
2.1 Identification . . . 3
2.2 Distance control . . . 3
2.3 Centered colons . . . 3
2.4 Combined symbols . . . 4

3 Installation **5**
3.1 Download . . . 5
3.2 Bundle installation . . . 5
3.3 Package installation . . . 5
3.4 Refresh file name databases . . . 6
3.5 Some details for the interested . . . 6

4 References **6**

5 History **6**
[2006/08/01 v1.0] . . . 6
[2016/05/16 v1.1] . . . 7

6 Index **8**

The dvipscol package

Abstract

Color support for dvips in `dvips.def` involves the color stack of dvips. The package tries to remove unnecessary uses of the stack to avoid the error "out of coor stack space".

1 Documentation **1**
1.1 Introduction . . . 1
1.2 Usage . . . 2
1.2.1 With ε-TEX . . . 2
1.2.2 Without ε-TEX . . . 2

2 Implementation **2**

3 Installation **3**
3.1 Download . . . 3
3.2 Bundle installation . . . 3
3.3 Package installation . . . 4
3.4 Refresh file name databases . . . 4
3.5 Some details for the interested . . . 4

4 History **4**
[2000/08/31 v1.0] . . . 4
[2006/02/20 v1.1] . . . 5
[2008/08/11 v1.2] . . . 5
[2016/05/16 v1.3] . . . 5

5 Index **5**

The engord package

Abstract

The package generates the suffix of English ordinal numbers. It can be used with plain and LaTeX formats.

1 Usage **2**
1.1 Package options . . . 2
1.2 Examples . . . 2

2 Implementation **3**
2.1 Reload check and identification . . . 3
2.2 Help commands for plain compatibility . . . 4
2.3 User macros . . . 5
2.4 Suffix generation . . . 6

3 Installation **8**
3.1 Download . . . 8
3.2 Bundle installation . . . 8
3.3 Package installation . . . 8
3.4 Refresh file name databases . . . 9
3.5 Some details for the interested . . . 9

4 History **9**
[2000/05/23 v1.0] . . . 9
[2003/04/28 v1.1] . . . 9
[2006/02/20 v1.2] . . . 10
[2007/04/11 v1.3] . . . 10
[2007/04/26 v1.4] . . . 10
[2007/09/09 v1.5] . . . 10
[2007/09/20 v1.6] . . . 10
[2008/08/11 v1.7] . . . 10
[2010/03/01 v1.8] . . . 10
[2016/05/16 v1.9] . . . 10

5 Index **10**

The enparen package

Abstract

The package defines macros to set parentheses that automatically change the symbols from inner to outer fences.

1 Documentation **2**
1.1 User macros . . . 2
1.2 Contexts . . . 3
1.3 Options . . . 3
1.4 Notes . . . 4

2 Implementation **4**
2.1 Resources . . . 4
2.2 Contexts . . . 5
2.2.1 Stack for contexts . . . 5
2.2.2 Context user macros . . . 5
2.3 Symbols . . . 6
2.4 Main user macros . . . 7
2.5 Options . . . 8
2.6 Context settings . . . 8
2.7 At end of document . . . 9

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

4 References **11**

5 History **11**
[2012/01/07 v1.0] . . . 11
[2016/05/16 v1.1] . . . 11

6 Index **11**

The eolgrab package

Abstract

This package implements a generic argument grabber to catch an argument that is delimited by the line end.

1 Documentation **1**
1.1 Examples . . . 2
1.1.1 Small LaTeX document as example . . . 4
1.1.2 LaTeX document with environments . . . 4
1.2 Limitations . . . 4

2 Implementation **5**
2.1 Reload check and package identification . . . 5
2.2 Catcodes . . . 6
2.3 Resources . . . 7
2.4 Macro \eolgrab . . . 7

3 Installation **8**
3.1 Download . . . 8
3.2 Bundle installation . . . 9
3.3 Package installation . . . 9
3.4 Refresh file name databases . . . 9
3.5 Some details for the interested . . . 9

4 References **10**

5 History **10**
[2011/01/12 v1.0] . . . 10
[2016/05/16 v1.1] . . . 10

6 Index **10**

The fibnum package

Abstract

The package fibnum provides expandable fibonacci numbers for both LaTeX and plain TeX.

1 Documentation **1**

2 Implementation **4**
2.1 Identification 4
2.2 Package resources 6
2.3 Setup precalculated values 6
2.4 Macros for precalculating values 7
2.5 Expandable calculations 8

3 Installation **9**
3.1 Download 9
3.2 Bundle installation 9
3.3 Package installation 9
3.4 Refresh file name databases 10
3.5 Some details for the interested 10

4 References **10**

5 History **11**
[2012/04/08 v1.0] 11
[2016/05/16 v1.1] 11

6 Index **11**

The flags package

Abstract

Package flags allows the setting and clearing of flags in bit fields and converts the bit field into a decimal number. Currently the bit field is limited to 31 bits.

1 Documentation **1**
1.1 User interface . . . 2
1.2 Requirements . . . 2
1.3 ToDo . . . 2

2 Implementation **3**

3 Installation **6**
3.1 Download . . . 6
3.2 Bundle installation . . . 6
3.3 Package installation . . . 6
3.4 Refresh file name databases . . . 6
3.5 Some details for the interested . . . 6

4 History **7**
[2007/02/18 v0.1] . . . 7
[2007/03/07 v0.2] . . . 7
[2007/03/31 v0.3] . . . 7
[2007/09/30 v0.4] . . . 7
[2016/05/16 v0.5] . . . 7

5 Index **7**

The holtxdoc package

Abstract

The package is used for the documentation of my packages in DTX format. It contains some private macros and setup for my needs. Thus do not use it. I have separated the part that may be useful for others in package hypdoc.

1 No usage **2**

2 Implementation **2**
2.1 Help macros . . . 2
2.2 Font setup for LuaLaTeX . . . 3
2.3 Date . . . 3
2.4 History . . . 3
2.5 Formatting macros . . . 4
2.6 Names . . . 6
2.7 Setup . . . 6
2.7.1 Package doc . . . 6
2.7.2 Page layout . . . 7

3 Installation **7**
3.1 Download . . . 7
3.2 Bundle installation . . . 7
3.3 Package installation . . . 7
3.4 Refresh file name databases . . . 8
3.5 Some details for the interested . . . 8

4 History **8**
[1999/06/26 v0.3] . . . 8
[2000/08/14 v0.4] . . . 8
[2001/08/27 v0.5] . . . 8
[2001/09/02 v0.6] . . . 9
[2006/06/02 v0.7] . . . 9
[2007/10/21 v0.8] . . . 9
[2007/11/11 v0.9] . . . 9
[2007/12/12 v0.10] . . . 9
[2008/08/11 v0.11] . . . 9
[2009/08/07 v0.12] . . . 9
[2009/12/02 v0.13] . . . 9
[2010/02/03 v0.14] . . . 9
[2010/03/10 v0.15] . . . 9
[2010/04/03 v0.16] . . . 9
[2010/04/08 v0.17] . . . 9
[2010/04/18 v0.18] . . . 9
[2010/04/24 v0.19] . . . 10
[2010/12/03 v0.20] . . . 10
[2011/02/04 v0.21] . . . 10

[2011/11/22 v0.22] 10
[2012/03/07 v0.23] 10
[2012/03/21 v0.24] 10
[2016/05/16 v0.25] 10
[2016/05/16 v0.26] 10
[2016/05/17 v0.27] 10
[2019/07/27 v0.28] 10
[2019/11/12 v0.29] 10
[2019/12/09 v0.30] 10

5 Index **11**

The hypbmsec package

Abstract

This package expands the syntax of the sectioning commands. If the argument of the sectioning commands isn't usable as outline entry, a replacement for the bookmarks can be given.

1 Usage **2**
1.1 Bookmarks restrictions . . . 2
1.2 \texorpdfstring . . . 2
1.3 Sectioning commands . . . 2
1.4 Places for sectioning strings . . . 2
1.5 Solution with optional arguments . . . 3
1.6 Syntax . . . 3
1.6.1 Star form . . . 3
1.6.2 Without optional arguments . . . 3
1.6.3 One optional argument . . . 3
1.6.4 Two optional arguments . . . 3
1.6.5 Optional argument in parentheses . . . 4
1.7 Without hyperref . . . 4
1.8 Protecting parentheses . . . 4

2 Implementation **4**

3 Installation **7**
3.1 Download . . . 7
3.2 Bundle installation . . . 8
3.3 Package installation . . . 8
3.4 Refresh file name databases . . . 8
3.5 Some details for the interested . . . 8

4 History **9**
[1998/11/20 v1.0] . . . 9
[1999/04/12 v2.0] . . . 9
[2000/03/22 v2.1] . . . 9
[2006/02/20 v2.2] . . . 9
[2007/03/05 v2.3] . . . 9
[2007/04/11 v2.4] . . . 9
[2016/05/16 v2.5] . . . 9

5 Index **9**

The hypcap package

Abstract

This package tries a solution of the problem with hyperref, that links to floats points below the caption and not at the beginning of the float. Therefore this package divides the task into two part, the link setting with `\capstart` or automatically at the beginning of a float and the rest in the `\caption` command.

1 Usage **2**
1.1 Package options . . . 2
1.2 User commands . . . 2
1.3 Limitations . . . 3

2 Implementation **3**

3 Installation **5**
3.1 Download . . . 5
3.2 Bundle installation . . . 6
3.3 Package installation . . . 6
3.4 Refresh file name databases . . . 6
3.5 Some details for the interested . . . 6

4 History **7**
[1999/02/13 v1.0] . . . 7
[2000/08/14 v1.1] . . . 7
[2000/09/07 v1.2] . . . 7
[2001/08/27 v1.3] . . . 7
[2001/09/06 v1.4] . . . 7
[2006/02/20 v1.5] . . . 7
[2007/02/19 v1.6] . . . 7
[2007/04/09 v1.7] . . . 7
[2008/04/14 v1.8] . . . 8
[2008/08/11 v1.9] . . . 8
[2008/09/08 v1.10] . . . 8
[2011/02/16 v1.11] . . . 8
[2016/05/16 v1.12] . . . 8

5 Index **8**

The hypgotoe package

Abstract

Experimental package for links to embedded files.

1 Documentation **2**
1.1 Introduction . . . 2
1.2 User interface . . . 2
1.3 Example . . . 2

2 Implementation **3**
2.1 Identification . . . 3
2.2 Load packages . . . 3
2.3 Color support . . . 4
2.4 Extend \href . . . 4
2.5 Implement gotoe action . . . 4
2.6 Keys for gotoe action . . . 5

3 Installation **6**
3.1 Download . . . 6
3.2 Bundle installation . . . 6
3.3 Package installation . . . 6
3.4 Refresh file name databases . . . 7
3.5 Some details for the interested . . . 7

4 References **7**

5 History **7**
[2007/10/30 v0.1] . . . 7
[2016/05/16 v0.2] . . . 8
[2019/12/29 v0.3] . . . 8

6 Index **8**

The hyphsubst package

Abstract

A TEX format file may include alternative hyphenation patterns for a language with a different name. If the naming convention follows babel's rules, then the hyphenation patterns for a language can be replaced by the alternative hyphenation patterns, provided in the format file.

1 Documentation **1**
1.1 In short . . . 1
1.2 Longer version . . . 2
1.3 LaTeX . . . 3
1.4 plain TeX . . . 3

2 Implementation **3**
2.1 Reload check and package identification . . . 3
2.2 Package . . . 5

3 Installation **7**
3.1 Download . . . 7
3.2 Bundle installation . . . 7
3.3 Package installation . . . 7
3.4 Refresh file name databases . . . 8
3.5 Some details for the interested . . . 8

4 History **8**
[2008/06/07 v0.1] . . . 8
[2008/06/09 v0.2] . . . 8
[2016/05/16 v0.3] . . . 8

5 Index **8**

The ifdraft package

Abstract

The package provides an interface for selecting code depending on the options draft and final.

1 Usage **1**
1.1 Package loading 1
1.2 User macros 2

2 Implementation **2**

3 Installation **3**
3.1 Download 3
3.2 Bundle installation 4
3.3 Package installation 4
3.4 Refresh file name databases 4
3.5 Some details for the interested 4

4 History **5**
[1999/12/28 v1.0] 5
[2005/10/05 v1.1] 5
[2006/02/20 v1.2] 5
[2008/08/11 v1.3] 5
[2016/05/16 v1.4] 5

5 Index **5**

The iflang package

Abstract

This package provides expandible checks for the current language based on macro \languagename or hyphenation patterns.

1 Documentation **2**

2 Implementation **3**
2.1 Reload check and package identification . . . 3
2.2 Tools . . . 5
2.2.1 Provide some basic macros of LaTeX . . . 5
2.2.2 Expandible existence check for macros . . . 5
2.2.3 Macros for messages . . . 5
2.2.4 Support for etex.src . . . 6
2.3 \IfLanguagePatterns . . . 7
2.4 \IfLanguageName . . . 7
2.5 Check plausibility of \languagename . . . 8

3 Installation **8**
3.1 Download . . . 8
3.2 Bundle installation . . . 9
3.3 Package installation . . . 9
3.4 Refresh file name databases . . . 9
3.5 Some details for the interested . . . 9

4 Acknowledgement **10**

5 History **10**
[2007/04/10 v1.0] . . . 10
[2007/04/11 v1.1] . . . 10
[2007/04/12 v1.2] . . . 10
[2007/04/26 v1.3] . . . 10
[2007/09/09 v1.4] . . . 10
[2007/11/11 v1.5] . . . 10
[2016/05/16 v1.6] . . . 10
[2018/01/21 v1.7] . . . 11

6 Index **11**

The pagegrid package

Abstract

The LaTeX package prints a page grid in the background.

1 Documentation **2**
1.1 Options . . . 2
1.1.1 Options enable, disable . . . 2
1.1.2 Grid origins . . . 2
1.1.3 Grid unit . . . 2
1.1.4 Color options . . . 3
1.1.5 Arrow options . . . 3
1.1.6 Miscellaneous options . . . 3

2 Implementation **3**

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

4 Acknowledgement **11**

5 History **12**
[2009/11/06 v1.0] . . . 12
[2009/11/06 v1.1] . . . 12
[2009/12/02 v1.2] . . . 12
[2009/12/03 v1.3] . . . 12
[2009/12/04 v1.4] . . . 12
[2016/05/16 v1.5] . . . 12

6 Index **12**

The pdfcol package

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.

1 Documentation **2**
1.1 Requirements . . . 2
1.2 Interface . . . 2

2 Implementation **3**
2.1 Reload check and package identification . . . 3
2.2 Catcodes . . . 4
2.3 Check requirements . . . 5
2.3.1 Check package luacolor . . . 5
2.3.2 Check PDF mode . . . 5
2.3.3 Check version of pdfTEX . . . 6
2.3.4 Check `pdftex.def` . . . 6
2.4 Enabled interface macros . . . 7
2.5 Disabled interface macros . . . 8

3 Installation **9**
3.1 Download . . . 9
3.2 Bundle installation . . . 10
3.3 Package installation . . . 10
3.4 Refresh file name databases . . . 10
3.5 Some details for the interested . . . 10

4 History **11**
[2007/09/09 v1.0] . . . 11
[2007/12/09 v1.1] . . . 11
[2007/12/12 v1.2] . . . 11
[2016/05/16 v1.3] . . . 11
[2016/05/17 v1.4] . . . 11
[2018/11/01 v1.5] . . . 11
[2019/12/29 v1.6] . . . 11

5 Index **11**

The pdfcolfoot package

Abstract

Since version 1.40 pdfTeX supports several color stacks. This package uses a separate color stack for footnotes that can break across pages.

1 User interface **2**
1.1 Other packages or classes . . . 2

2 Interface for package or class writers **2**
2.1 Macro \pdfcolfoot@switch . . . 2
2.2 Macro \pdfcolfoot@current . . . 2

3 Implementation **3**
3.1 Identification . . . 3
3.2 Load package pdfcol . . . 3
3.3 Color stack for footnotes . . . 3
3.4 Patch \@makefntext . . . 3
3.5 Patch \@makecol . . . 4

4 Installation **6**
4.1 Download . . . 6
4.2 Bundle installation . . . 6
4.3 Package installation . . . 6
4.4 Refresh file name databases . . . 7
4.5 Some details for the interested . . . 7

5 References **7**

6 History **7**
[2007/01/08 v1.0] . . . 7
[2007/09/09 v1.1] . . . 8
[2012/01/02 v1.2] . . . 8
[2016/05/16 v1.3] . . . 8

7 Index **8**

The pdfcolparallel package

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.

1 Usage **2**
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 . . . 8

3 Installation **11**
3.1 Download . . . 11
3.2 Bundle installation . . . 11
3.3 Package installation . . . 11
3.4 Refresh file name databases . . . 12
3.5 Some details for the interested . . . 12

4 References **12**

5 History **12**
[2007/09/09 v1.0] . . . 12
[2007/12/12 v1.1] . . . 12
[2008/08/11 v1.2] . . . 13
[2010/01/11 v1.3] . . . 13
[2016/05/16 v1.4] . . . 13
[2019/12/29 v1.5] . . . 13

6 Index **13**

The pdfcolparcolumns package

Abstract

Since version 1.40 pdfTEX supports several color stacks. This package uses them to fix color problems in package parcolumns.

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

2 Implementation **2**
2.1 Identification . . . 2
2.2 Load packages . . . 2
2.2.1 Package parcolumns . . . 2
2.2.2 Package pdfcol . . . 3
2.2.3 Package infwarerr . . . 3
2.3 Color stack macros . . . 3
2.4 Patches . . . 3
2.4.1 Init stacks . . . 3
2.4.2 Switch stack . . . 4
2.4.3 Set current stack color . . . 4

3 Installation **6**
3.1 Download . . . 6
3.2 Bundle installation . . . 6
3.3 Package installation . . . 6
3.4 Refresh file name databases . . . 7
3.5 Some details for the interested . . . 7

4 References **7**

5 History **8**
[2007/07/26 v1.0] . . . 8
[2007/09/09 v1.1] . . . 8
[2008/08/11 v1.2] . . . 8
[2010/01/11 v1.3] . . . 8
[2016/05/16 v1.4] . . . 8
[2019/12/29 v1.5] . . . 8

6 Index **8**

The pdfcrypt package

Abstract

This package supports the setting of pdf encryption options for VTEX and some older versions of pdfTEX.

1 Documentation **2**
1.1 Alternatives . . . 2
1.2 Usage . . . 2
1.2.1 Special characters . . . 3
1.2.2 \nopdfcrypt . . . 3
1.2.3 Configuration file . . . 3
1.2.4 Support for plain TEX . . . 3
1.3 Hints for pdfTEX . . . 3

2 Implementation **4**
2.1 Help macros for plain TEX . . . 4
2.2 Package Identification and checks . . . 5
2.3 Driver detection . . . 6
2.4 Load package keyval . . . 6
2.5 Define options . . . 7
2.6 support of configuration file . . . 12
2.7 Package options . . . 12

3 Installation **12**
3.1 Download . . . 12
3.2 Bundle installation . . . 13
3.3 Package installation . . . 13
3.4 Refresh file name databases . . . 13
3.5 Some details for the interested . . . 13

4 History **14**
[2001/04/02 v0.1] . . . 14
[2001/07/19 v0.2] . . . 14
[2001/07/19 v0.3] . . . 14
[2001/07/19 v0.4] . . . 14
[2001/08/05 v0.5] . . . 14
[2001/08/09 v0.6] . . . 14
[2001/10/28 v0.7] . . . 14
[2006/02/20 v0.8] . . . 15
[2007/04/11 v0.9] . . . 15
[2007/04/26 v1.0] . . . 15
[2016/05/16 v1.1] . . . 15

5 Index **15**

The pdfrender package

Abstract

The PDF format has some graphics parameter like line width or text rendering mode. This package provides an interface for setting these parameters.

1 Documentation **2**
1.1 Usage . . . 2
1.2 Macros . . . 2
1.3 Parameters . . . 2
1.3.1 Details . . . 3
1.4 Color stack . . . 4

2 Implementation **4**
2.1 Look for pdfTeX, its mode and features . . . 6
2.2 Enable color support of LaTeX . . . 8
2.3 Hook into \normalcolor . . . 8
2.4 Declare and setup parameters . . . 14
2.5 Fill and stroke color support . . . 15

3 Installation **19**
3.1 Download . . . 19
3.2 Bundle installation . . . 19
3.3 Package installation . . . 20
3.4 Refresh file name databases . . . 20
3.5 Some details for the interested . . . 20

4 Acknowledgement **20**

5 References **21**

6 History **21**
[2010/01/26 v1.0] . . . 21
[2010/01/27 v1.1] . . . 21
[2010/01/28 v1.2] . . . 21
[2016/05/14 v1.3] . . . 21
[2016/05/17 v1.4] . . . 21
[2018/11/01 v1.5] . . . 21
[2019/12/29 v1.6] . . . 21

7 Index **22**

The protecteddef package

Abstract

This packages provides \ProtectedDef for defining robust macros for both plain TEX and LATEX. First ε-TEX's \protected is tried, then LATEX's \DeclareRobustCommand is used. Otherwise the macro is not made robust.

1 Documentation **1**
1.1 The LATEX's way . . . 2
1.2 The ε-TEX's way . . . 2
1.3 The way of this package . . . 2
1.4 Usage . . . 2

2 Implementation **2**
2.1 Reload check and package identification . . . 2
2.2 Catcodes . . . 4
2.3 Resources . . . 4

3 Installation **7**
3.1 Download . . . 7
3.2 Bundle installation . . . 7
3.3 Package installation . . . 7
3.4 Refresh file name databases . . . 7
3.5 Some details for the interested . . . 8

4 History **8**
[2011/01/31 v1.0] . . . 8
[2016/05/16 v1.1] . . . 8

5 Index **8**

The resizegather package

Abstract

Equations that are too large are resized to fit the available space. The environment gather of package amsmath is supported. Also the environments equation and displaymath are redefined using gather and its starred version.

1 Documentation **1**
1.1 Options 2
1.2 Options for packages amsmath or graphics 3

2 Implementation **3**

3 Installation **8**
3.1 Download 8
3.2 Bundle installation 8
3.3 Package installation 9
3.4 Refresh file name databases 9
3.5 Some details for the interested 9

4 Acknowledgement **9**

5 History **10**
[2009/12/04 v1.0] 10
[2009/12/05 v1.1] 10
[2010/03/01 v1.2] 10
[2016/05/16 v1.3] 10

6 Index **10**

The rotchiffre package

Abstract

This package implements chiffres ROT13 with its variants ROT5, ROT18, and ROT47.

1 Documentation **2**
1.1 Motivation . . . 2
1.2 Usage . . . 2
1.2.1 Examples . . . 2

2 Implementation **3**
2.1 Reload check and package identification . . . 3
2.2 Catcodes . . . 4
2.3 Loading resources . . . 5
2.4 `\EdefRot` as robust macro . . . 5
2.5 Set `\lccode` on a range of characters . . . 6
2.6 Chiffres . . . 7
2.6.1 ROT13 . . . 7
2.6.2 ROT5 . . . 7
2.6.3 ROT18 . . . 7
2.6.4 ROT47 . . . 7
2.7 `\RotCh@rot` with big char support . . . 7
2.8 `\RotCh@rot` without big char support . . . 9

3 Installation **9**
3.1 Download . . . 9
3.2 Bundle installation . . . 9
3.3 Package installation . . . 9
3.4 Refresh file name databases . . . 10
3.5 Some details for the interested . . . 10

4 References **10**

5 History **11**
[2010/11/12 v1.0] . . . 11
[2016/05/16 v1.1] . . . 11

6 Index **11**

The scrindex package

Abstract

This package redefines environment ‘theindex’ of package index, if a class from KOMA-Script is loaded. Also option idxtotoc is supported. Index preambles can be given either by means of package index or via the interface provided by KOMA-Script.

1 Documentation **1**
1.1 Usage . . . 2
1.2 Preambles . . . 2
1.2.1 Class scrartcl . . . 2
1.2.2 Classes scrreprt and scrbook . . . 2

2 Implementation **3**

3 Installation **6**
3.1 Download . . . 6
3.2 Bundle installation . . . 6
3.3 Package installation . . . 7
3.4 Refresh file name databases . . . 7
3.5 Some details for the interested . . . 7

4 History **8**
[2008/07/07 v1.0] . . . 8
[2008/08/11 v1.1] . . . 8
[2016/05/16 v1.2] . . . 8

5 Index **8**

The setouterhbox package

Abstract

If math stuff is set in an \hbox, then TeX performs some optimization and omits the implicite penalties \binoppenalty and \relpenalty. This packages tries to put stuff into an \hbox without getting lost of those penalties.

1 Documentation **2**
1.1 Introduction . . . 2
1.2 Acknowledgement . . . 2
1.3 Usage . . . 2
1.4 Option hyperref . . . 3
1.5 Example . . . 3

2 Implementation **4**
2.1 Package start stuff . . . 4
2.2 Interface macros . . . 6
2.3 Main part . . . 6
2.4 Environment support . . . 8
2.5 Option hyperref . . . 9

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

4 References **11**

5 History **11**
[2005/10/05 v1.0] . . . 11
[2005/10/07 v1.1] . . . 11
[2005/10/18 v1.2] . . . 12
[2006/02/12 v1.3] . . . 12
[2006/08/26 v1.4] . . . 12
[2007/04/26 v1.5] . . . 12
[2007/05/17 v1.6] . . . 12
[2007/09/09 v1.7] . . . 12
[2016/05/16 v1.8] . . . 12

6 Index **12**

The settobox package

Abstract

Commands are defined for getting box sizes similar to LaTeX's \settowidth commands.

1 Usage **2**
1.1 Get box dimensions . . . 2
1.2 Set box dimensions . . . 2
1.3 Move box . . . 2
1.4 Example . . . 2
1.4.1 Short example . . . 2
1.4.2 Test file that shows box manipulations . . . 2

2 Implementation **5**

3 Installation **6**
3.1 Download . . . 6
3.2 Bundle installation . . . 7
3.3 Package installation . . . 7
3.4 Refresh file name databases . . . 7
3.5 Some details for the interested . . . 7

4 History **8**
[2000/02/11 v1.0] . . . 8
[2000/09/07 v1.1] . . . 8
[2006/02/20 v1.2] . . . 8
[2007/04/11 v1.3] . . . 8
[2008/08/11 v1.4] . . . 8
[2016/05/16 v1.5] . . . 8

5 Index **8**

The stackrel package

Abstract

This package adds an optional argument to \stackrel for putting something below the relational symbol and defines \stackbin for binary symbols.

1 User interface **1**

2 Implementation **2**

3 Installation **3**
3.1 Download . . . 3
3.2 Bundle installation . . . 3
3.3 Package installation . . . 3
3.4 Refresh file name databases . . . 3
3.5 Some details for the interested . . . 4

4 History **4**
[2006/12/02 v1.0] . . . 4
[2007/05/06 v1.1] . . . 4
[2007/11/11 v1.2] . . . 4
[2016/05/16 v1.3] . . . 4

5 Index **5**

The stampinclude package

Abstract

The package replaces `\includeonly` and selects the files for `\include` by inspecting the time stamp of the `.aux` file. The file is selected for inclusion if the `.aux` file does not yet exist or is older than the corresponding `.tex` file.

1 Documentation **1**
1.1 Introduction . . . 1
1.2 Usage . . . 2
1.3 Limitations . . . 2
1.3.1 Other file dependencies . . . 2
1.3.2 `\include` dependencies . . . 3
1.3.3 Summary . . . 3
1.4 Requirements . . . 3

2 Implementation **3**

3 Installation **5**
3.1 Download . . . 5
3.2 Bundle installation . . . 5
3.3 Package installation . . . 5
3.4 Refresh file name databases . . . 6
3.5 Some details for the interested . . . 6

4 References **6**

5 History **6**
[2008/07/14 v1.0] . . . 6
[2016/05/16 v1.1] . . . 6

6 Index **7**

The tabularht package

Abstract

This package defines some environments that adds a height specification to tabular and array.

1 Usage **2**
1.1 Option vlines . . . 2
1.2 Limitations . . . 3
1.3 Compatibility . . . 3
1.4 Examples . . . 3
1.4.1 Example 1 . . . 3
1.4.2 Example 2 . . . 4

2 Implementation **4**
2.1 Environments . . . 4
2.2 Options . . . 7
2.3 Option vlines, driver independent stuff . . . 7
2.4 Driver pdftex . . . 8
2.5 DVI drivers . . . 11

3 Installation **14**
3.1 Download . . . 14
3.2 Bundle installation . . . 14
3.3 Package installation . . . 14
3.4 Refresh file name databases . . . 15
3.5 Some details for the interested . . . 15

4 History **15**
[2005/09/22 v1.0] . . . 15
[2005/10/16 v2.0] . . . 16
[2005/10/18 v2.1] . . . 16
[2006/02/20 v2.2] . . . 16
[2006/12/22 v2.3] . . . 16
[2007/03/21 v2.4] . . . 16
[2007/04/11 v2.5] . . . 16
[2016/05/16 v2.6] . . . 16
[2019/12/29 v2.7] . . . 16

5 Index **16**

The tabularkv package

Abstract

This package adds a key value interface for tabular by the new environment `tabularkv`. Thus the TEX source code looks better by named parameters, especially if package tabularht is used.

1 Usage **1**
1.1 Example 2

2 Implementation **2**

3 Installation **3**
3.1 Download 3
3.2 Bundle installation 3
3.3 Package installation 3
3.4 Refresh file name databases 4
3.5 Some details for the interested 4

4 History **4**
[2005/09/22 v1.0] 4
[2006/02/20 v1.1] 4
[2016/05/16 v1.2] 4

5 Index **4**

The telprint package

Abstract

Package telprint provides \telprint for formatting German phone numbers.

1 Documentation **2**
1.1 Introduction . . . 2
1.2 Short overview in English . . . 2
1.2.1 Configuration . . . 2
1.3 Documentation in German . . . 2

2 Implementation **3**
2.1 Reload check and package identification . . . 3
2.2 Catcodes . . . 4
2.3 Package macros . . . 5

3 Installation **8**
3.1 Download . . . 8
3.2 Bundle installation . . . 8
3.3 Package installation . . . 8
3.4 Refresh file name databases . . . 8
3.5 Some details for the interested . . . 8

4 History **9**
[1996/11/28 v1.0] . . . 9
[1997/09/16 v1.1] . . . 9
[1997/10/16 v1.2] . . . 9
[1997/12/09 v1.3] . . . 9
[2004/11/02 v1.4] . . . 9
[2005/09/30 v1.5] . . . 10
[2006/02/12 v1.6] . . . 10
[2006/08/26 v1.7] . . . 10
[2007/04/11 v1.8] . . . 10
[2007/09/09 v1.9] . . . 10
[2008/08/11 v1.10] . . . 10
[2016/05/16 v1.11] . . . 10

5 Index **10**

The thepdfnumber package

Abstract

The package converts real numbers to a minimal representation that is stripped from leading or trailing zeros, plus signs and decimal point if not necessary.

1 Documentation **2**
1.1 Introduction . . . 2
1.2 Usage . . . 2
1.3 User macros . . . 2
1.4 Input number . . . 3
1.5 Error handling . . . 4

2 Implementation **4**
2.1 Reload check and package identification . . . 4
2.2 Catcodes . . . 5
2.3 Helper macros . . . 6
2.4 Detect ε-TEX . . . 7
2.5 User macro \thepdfnumber . . . 7
2.5.1 State definitions for sign . . . 7
2.5.2 State definitions for integer part . . . 9
2.5.3 State definitions for decimal digits . . . 10
2.6 Norm macro . . . 11
2.6.1 State definitions for sign . . . 12
2.6.2 State definitions for integer part . . . 13
2.6.3 State definitions for decimal digits . . . 14

3 Installation **15**
3.1 Download . . . 15
3.2 Bundle installation . . . 16
3.3 Package installation . . . 16
3.4 Refresh file name databases . . . 16
3.5 Some details for the interested . . . 16

4 References **17**

5 History **17**
[2011/11/24 v1.0] . . . 17
[2016/05/16 v1.1] . . . 17

6 Index **17**

The twoopt package

Abstract

This package provides commands to define macros with two optional arguments.

1 Usage **1**

2 Implementation **2**

3 Installation **3**
3.1 Download . . . 3
3.2 Bundle installation . . . 4
3.3 Package installation . . . 4
3.4 Refresh file name databases . . . 4
3.5 Some details for the interested . . . 4

4 History **5**
[1998/10/30 v1.0] . . . 5
[1998/10/30 v1.1] . . . 5
[1998/11/04 v1.2] . . . 5
[1999/04/12 v1.3] . . . 5
[2006/02/20 v1.4] . . . 5
[2008/08/11 v1.5] . . . 5
[2016/05/16 v1.6] . . . 6

5 Index **6**