

CTAN:macros/latex/contrib/oberdiek/

Heiko Oberdiek*
<[ho-tex at tug.org](mailto:ho-tex@tug.org)>

2022/09/21

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]
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]

setto (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	1
1.1	Introduction	1
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	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	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]	5
	[2018/09/07 v1.5]	5
7	Index	5

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	2
1.2.1	User interface	3
1.2.2	Hints	3
1.2.3	Test program	4
1.2.4	Interface for programmers	4
1.3	Improved bitmap inclusion	4
2	Implementation	4
2.1	Basic package <code>bmpsize-base</code>	4
2.2	Bitmap formats	11
2.2.1	png	11
2.2.2	jpg	13
2.2.3	bmp	20
2.2.4	gif	22
2.2.5	tiff	23
2.2.6	pnm	26
2.2.7	pam	30
2.2.8	xpm	36
2.2.9	tga	41
2.2.10	pcx	42
2.2.11	msp	44
2.2.12	sgi	45
2.3	Package <code>bmpsize</code>	45
2.4	Drivers	48
2.4.1	dvips	48
2.4.2	dvipdfm and dvipdfmx	50
2.5	Test program <code>bmpsize-test.tex</code>	53
3	Installation	55
3.1	Download	55
3.2	Bundle installation	55
3.3	Package installation	55
3.4	Refresh file name databases	56
3.5	Some details for the interested	56

4	References	56
4.1	URLs for bitmap format descriptions	56
4.1.1	JPEG	56
4.1.2	PNG	57
4.1.3	GIF	57
4.1.4	BMP	57
4.1.5	PCX	57
4.1.6	MSP	57
4.1.7	TIFF	57
4.1.8	TGA	57
4.1.9	SGI	57
4.1.10	WMF	57
4.1.11	XPM	58
5	History	58
	[2006/08/24 v1.0]	58
	[2007/02/18 v1.1]	58
	[2007/04/11 v1.2]	58
	[2007/05/01 v1.3]	58
	[2007/11/11 v1.4]	58
	[2008/08/11 v1.5]	58
	[2009/09/04 v1.6]	58
	[2016/05/16 v1.7]	58
	[2019/12/29 v1.8]	58
6	Index	59

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

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	4
3.3	Package installation	4
3.4	Refresh file name databases	5
3.5	Some details for the interested	5
4	History	5
	[2005/06/19 v1.0]	5
	[2005/06/19 v1.1]	5
	[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	2
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	5
3.5	Some details for the interested	5
4	References	6
5	History	6
	[2006/08/01 v1.0]	6
	[2016/05/16 v1.1]	6
6	Index	6

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 color 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	3
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]	. . . . .	4
[2008/08/11 v1.2]	. . . . .	4
[2016/05/16 v1.3]	. . . . .	4
5	Index	5

The engord package

Abstract

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

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

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	4
2.2.1	Stack for contexts	5
2.2.2	Context user macros	5
2.3	Symbols	6
2.4	Main user macros	6
2.5	Options	8
2.6	Context settings	8
2.7	At end of document	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	10
	[2012/01/07 v1.0]	10
	[2016/05/16 v1.1]	10
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 L ^A T _E X document as example	3
1.1.2	L ^A T _E X document with environments	4
1.2	Limitations	4
2	Implementation	4
2.1	Reload check and package identification	4
2.2	Catcodes	6
2.3	Resources	6
2.4	Macro <code>\eolgrab</code>	7
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	References	9
5	History	9
	[2011/01/12 v1.0]	9
	[2016/05/16 v1.1]	9
6	Index	10

The fibnum package

Abstract

The package fibnum provides expandable fibonacci numbers for both L^AT_EX and plain T_EX.

1	Documentation	1
2	Implementation	3
2.1	Identification	3
2.2	Package resources	5
2.3	Setup precalculated values	5
2.4	Macros for precalculating values	6
2.5	Expandable calculations	7
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	References	9
5	History	9
	[2012/04/08 v1.0]	9
	[2016/05/16 v1.1]	10
6	Index	10

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	2
3 Installation	5
3.1 Download	5
3.2 Bundle installation	5
3.3 Package installation	6
3.4 Refresh file name databases	6
3.5 Some details for the interested	6
4 History	6
[2007/02/18 v0.1]	6
[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 Lua \LaTeX	2
2.3	Date	2
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	6
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
	[1999/06/26 v0.3]	8
	[2000/08/14 v0.4]	8
	[2001/08/27 v0.5]	8
	[2001/09/02 v0.6]	8
	[2006/06/02 v0.7]	8
	[2007/10/21 v0.8]	8
	[2007/11/11 v0.9]	8
	[2007/12/12 v0.10]	8
	[2008/08/11 v0.11]	8
	[2009/08/07 v0.12]	8
	[2009/12/02 v0.13]	8
	[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]	9
	[2010/12/03 v0.20]	9
	[2011/02/04 v0.21]	9

[2011/11/22 v0.22]	9
[2012/03/07 v0.23]	9
[2012/03/21 v0.24]	9
[2016/05/16 v0.25]	9
[2016/05/16 v0.26]	9
[2016/05/17 v0.27]	9
[2019/07/27 v0.28]	10
[2019/11/12 v0.29]	10
[2019/12/09 v0.30]	10
5 Index	10

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 <code>\texorpdfstring</code>	2
1.3 Sectioning commands	2
1.4 Places for sectioning strings	2
1.5 Solution with optional arguments	2
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	3
1.7 Without <code>hyperref</code>	3
1.8 Protecting parentheses	4
2 Implementation	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	7
4 History	8
[1998/11/20 v1.0]	8
[1999/04/12 v2.0]	8
[2000/03/22 v2.1]	8
[2006/02/20 v2.2]	8
[2007/03/05 v2.3]	8
[2007/04/11 v2.4]	8
[2016/05/16 v2.5]	8
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]	7
[2008/08/11 v1.9]	7
[2008/09/08 v1.10]	7
[2011/02/16 v1.11]	7
[2016/05/16 v1.12]	8
5 Index	8

The hypgotoe package

Abstract

Experimental package for links to embedded files.

1	Documentation	1
1.1	Introduction	1
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	3
2.4	Extend <code>\href</code>	3
2.5	Implement gotoe action	4
2.6	Keys for gotoe action	5
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	References	7
5	History	7
	[2007/10/30 v0.1]	7
	[2016/05/16 v0.2]	7
	[2019/12/29 v0.3]	7
6	Index	7

The hyphsubst package

Abstract

A $\text{T}_{\text{E}}\text{X}$ 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	$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$	2
1.4	plain $\text{T}_{\text{E}}\text{X}$	3
2	Implementation	3
2.1	Reload check and package identification	3
2.2	Package	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	7
	[2008/06/07 v0.1]	7
	[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	3
3.3 Package installation	3
3.4 Refresh file name databases	4
3.5 Some details for the interested	4
4 History	4
[1999/12/28 v1.0]	4
[2005/10/05 v1.1]	4
[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 `\language` or hyphenation patterns.

1	Documentation	2
2	Implementation	2
2.1	Reload check and package identification	3
2.2	Tools	4
2.2.1	Provide some basic macros of L ^A T _E X	4
2.2.2	Expandible existence check for macros	5
2.2.3	Macros for messages	5
2.2.4	Support for <code>etex.src</code>	5
2.3	<code>\IfLanguagePatterns</code>	6
2.4	<code>\IfLanguageName</code>	6
2.5	Check plausibility of <code>\language</code>	8
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	Acknowledgement	9
5	History	9
	[2007/04/10 v1.0]	9
	[2007/04/11 v1.1]	9
	[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]	10
6	Index	10

The pdfcolfoot package

Abstract

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

1	User interface	1
1.1	Other packages or classes	2
2	Interface for package or class writers	2
2.1	Macro <code>\pdfcolfoot@switch</code>	2
2.2	Macro <code>\pdfcolfoot@current</code>	2
3	Implementation	2
3.1	Identification	2
3.2	Load package <code>pdfcol</code>	3
3.3	Color stack for footnotes	3
3.4	Patch <code>\@makefntext</code>	3
3.5	Patch <code>\@makecol</code>	3
4	Installation	5
4.1	Download	5
4.2	Bundle installation	6
4.3	Package installation	6
4.4	Refresh file name databases	6
4.5	Some details for the interested	6
5	References	7
6	History	7
	[2007/01/08 v1.0]	7
	[2007/09/09 v1.1]	7
	[2012/01/02 v1.2]	7
	[2016/05/16 v1.3]	7
7	Index	7

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	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 Installation	10
3.1 Download	10
3.2 Bundle installation	10
3.3 Package installation	10
3.4 Refresh file name databases	11
3.5 Some details for the interested	11
4 References	11
5 History	11
[2007/09/09 v1.0]	11
[2007/12/12 v1.1]	12
[2008/08/11 v1.2]	12
[2010/01/11 v1.3]	12
[2016/05/16 v1.4]	12
[2019/12/29 v1.5]	12
6 Index	12

The pdfcolparcolumns package

Abstract

Since version 1.40 pdf_TE_X 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	3
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	6
3.5 Some details for the interested	7
4 References	7
5 History	7
[2007/07/26 v1.0]	7
[2007/09/09 v1.1]	7
[2008/08/11 v1.2]	7
[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 V_TE_X and some older versions of pdfT_EX.

1 Documentation	2
1.1 Alternatives	2
1.2 Usage	2
1.2.1 Special characters	3
1.2.2 <code>\nopdfcrypt</code>	3
1.2.3 Configuration file	3
1.2.4 Support for plain T _E X	3
1.3 Hints for pdfT _E X	3
2 Implementation	4
2.1 Help macros for plain T _E X	4
2.2 Package Identification and checks	5
2.3 Driver detection	5
2.4 Load package <code>keyval</code>	6
2.5 Define options	7
2.6 support of configuration file	11
2.7 Package options	11
3 Installation	12
3.1 Download	12
3.2 Bundle installation	12
3.3 Package installation	12
3.4 Refresh file name databases	12
3.5 Some details for the interested	12
4 History	13
[2001/04/02 v0.1]	13
[2001/07/19 v0.2]	13
[2001/07/19 v0.3]	13
[2001/07/19 v0.4]	13
[2001/08/05 v0.5]	13
[2001/08/09 v0.6]	13
[2001/10/28 v0.7]	13
[2006/02/20 v0.8]	13
[2007/04/11 v0.9]	14
[2007/04/26 v1.0]	14
[2016/05/16 v1.1]	14
5 Index	14

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 pdf \TeX , its mode and features	6
2.2	Enable color support of \LaTeX	7
2.3	Hook into <code>\normalcolor</code>	8
2.4	Declare and setup parameters	13
2.5	Fill and stroke color support	14
3	Installation	18
3.1	Download	18
3.2	Bundle installation	18
3.3	Package installation	18
3.4	Refresh file name databases	18
3.5	Some details for the interested	19
4	Acknowledgement	19
5	References	19
6	History	19
	[2010/01/26 v1.0]	19
	[2010/01/27 v1.1]	20
	[2010/01/28 v1.2]	20
	[2016/05/14 v1.3]	20
	[2016/05/17 v1.4]	20
	[2018/11/01 v1.5]	20
	[2019/12/29 v1.6]	20
7	Index	20

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 <code>L^ATEX</code> 's way	2
1.2	The <code>ε-TEX</code> '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	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
	[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 <code>amsmath</code> or <code>graphics</code>	2
2	Implementation	3
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	Acknowledgement	9
5	History	9
	[2009/12/04 v1.0]	9
	[2009/12/05 v1.1]	9
	[2010/03/01 v1.2]	9
	[2016/05/16 v1.3]	9
6	Index	9

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	4
2.4	<code>\EdefRot</code> as robust macro	5
2.5	Set <code>\lccode</code> on a range of characters	5
2.6	Chiffres	6
2.6.1	ROT13	6
2.6.2	ROT5	6
2.6.3	ROT18	7
2.6.4	ROT47	7
2.7	<code>\RotCh@rot</code> with big char support	7
2.8	<code>\RotCh@rot</code> without big char support	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	References	10
5	History	10
	[2010/11/12 v1.0]	10
	[2016/05/16 v1.1]	10
6	Index	10

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 <code>scartcl</code>	2
1.2.2	Classes <code>scrreprt</code> and <code>scrbook</code>	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	7
3.5	Some details for the interested	7
4	History	7
	[2008/07/07 v1.0]	7
	[2008/08/11 v1.1]	7
	[2016/05/16 v1.2]	7
5	Index	7

The `setouterhbox` package

Abstract

If math stuff is set in an `\hbox`, then TeX performs some optimization and omits the implicate penalties `\binoppenalty` and `\relpenalty`. This package 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 <code>hyperref</code>	3
1.5	Example	3
2	Implementation	3
2.1	Package start stuff	3
2.2	Interface macros	5
2.3	Main part	6
2.4	Environment support	8
2.5	Option <code>hyperref</code>	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
	[2005/10/05 v1.0]	11
	[2005/10/07 v1.1]	11
	[2005/10/18 v1.2]	11
	[2006/02/12 v1.3]	11
	[2006/08/26 v1.4]	11
	[2007/04/26 v1.5]	11
	[2007/05/17 v1.6]	11
	[2007/09/09 v1.7]	11
	[2016/05/16 v1.8]	11
6	Index	11

The `settobox` package

Abstract

Commands are defined for getting box sizes similar to L^AT_EX's `\settowidth` commands.

1 Usage	1
1.1 Get box dimensions	1
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	4
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	7
4 History	7
[2000/02/11 v1.0]	7
[2000/09/07 v1.1]	7
[2006/02/20 v1.2]	7
[2007/04/11 v1.3]	7
[2008/08/11 v1.4]	7
[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	3
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	<code>\include</code> 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	5
3.5	Some details for the interested	5
4	References	6
5	History	6
	[2008/07/14 v1.0]	6
	[2016/05/16 v1.1]	6
6	Index	6

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	3
2 Implementation	4
2.1 Environments	4
2.2 Options	6
2.3 Option vlines, driver independent stuff	7
2.4 Driver pdftex	7
2.5 DVI drivers	11
3 Installation	13
3.1 Download	13
3.2 Bundle installation	13
3.3 Package installation	14
3.4 Refresh file name databases	14
3.5 Some details for the interested	14
4 History	14
[2005/09/22 v1.0]	14
[2005/10/16 v2.0]	15
[2005/10/18 v2.1]	15
[2006/02/20 v2.2]	15
[2006/12/22 v2.3]	15
[2007/03/21 v2.4]	15
[2007/04/11 v2.5]	15
[2016/05/16 v2.6]	15
[2019/12/29 v2.7]	15
5 Index	15

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	3
3.5 Some details for the interested	3
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	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
	[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]	9
	[2006/02/12 v1.6]	9
	[2006/08/26 v1.7]	9
	[2007/04/11 v1.8]	9
	[2007/09/09 v1.9]	9
	[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	3
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	6
2.5	User macro <code>\thepdfnumber</code>	6
2.5.1	State definitions for sign	7
2.5.2	State definitions for integer part	8
2.5.3	State definitions for decimal digits	9
2.6	Norm macro	11
2.6.1	State definitions for sign	11
2.6.2	State definitions for integer part	12
2.6.3	State definitions for decimal digits	13
3	Installation	14
3.1	Download	14
3.2	Bundle installation	15
3.3	Package installation	15
3.4	Refresh file name databases	15
3.5	Some details for the interested	15
4	References	16
5	History	16
	[2011/11/24 v1.0]	16
	[2016/05/16 v1.1]	16
6	Index	16

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]	5
5 Index	5