

CTAN:macros/latex/contrib/oberdiek/

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

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1 Overview

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

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The aliascnt package

Abstract

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

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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`.

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The centernot package

Abstract

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

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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`.

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The classlist package

Abstract

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

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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.

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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”.

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The engord package

Abstract

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

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The enparen package

Abstract

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

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The eolgrab package

Abstract

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

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The fibnum package

Abstract

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

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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.

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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.

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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.

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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.

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The hypdestopt package

Abstract

Package `hypdestopt` supports `hyperref`'s `pdfTeX` driver. It removes unnecessary destinations and shortens the destination names or uses numbered destinations to get smaller PDF files.

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The hypdoc package

Abstract

This package adds hyper features to the package `doc` that is used in the documentation system of $\text{\LaTeX} 2_{\epsilon}$. Bookmarks are added and references are linked as far as possible.

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The hypgotoe package

Abstract

Experimental package for links to embedded files.

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The hyphsubst package

Abstract

A T_EX 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.

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1.4	plain T _E X	3
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The ifdraft package

Abstract

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

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The iflang package

Abstract

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

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5	History	10
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	[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
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The pagegrid package

Abstract

The L^AT_EX package prints a page grid in the background.

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1.1.1	Options enable , disable	2
1.1.2	Grid origins	2
1.1.3	Grid unit	2
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1.1.6	Miscellaneous options	3
2	Implementation	3
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3.1	Download	10
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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 pdfT_EX 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.

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1.1	Requirements	2
1.2	Interface	2
2	Implementation	3
2.1	Reload check and package identification	3
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2.3.4	Check <code>pdftex.def</code>	6
2.4	Enabled interface macros	7
2.5	Disabled interface macros	8
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3.3	Package installation	10
3.4	Refresh file name databases	10
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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
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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
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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
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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 <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	8
3	Installation	11
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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
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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 <code>rulebetweencolor</code>	2
1.2	Future	2
2	Implementation	2
2.1	Identification	2
2.2	Load packages	2
2.2.1	Package <code>parcolumns</code>	2
2.2.2	Package <code>pdfcol</code>	3
2.2.3	Package <code>infwarerr</code>	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
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	[2016/05/16 v1.4]	8
	[2019/12/29 v1.5]	8
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The pdfcrypt package

Abstract

This package supports the setting of pdf encryption options for V_TE_X and some older versions of pdfT_EX.

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1.2.2	\nopdfcrypt	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	6
2.4	Load package keyval	6
2.5	Define options	7
2.6	support of configuration file	12
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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
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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 L ^A T _E X	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
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The `protecteddef` package

Abstract

This package 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^AT_EX</code> 's way	2
1.2	The <code>ε-T_EX</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	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 <code>amsmath</code> or <code>graphics</code>	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
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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
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2.3	Loading resources	5
2.4	\EdefRot as robust macro	5
2.5	Set \lccode on a range of characters	6
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2.6.3	ROT18	7
2.6.4	ROT47	7
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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 scartcl	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 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	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 <code>hyperref</code>	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
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The settobox package

Abstract

Commands are defined for getting box sizes similar to L^AT_EX'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
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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	<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	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
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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 <code>\thepdfnumber</code>	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
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3	Installation	15
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3.2	Bundle installation	16
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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
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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