CTAN:macros/latex/contrib/oberdiek/

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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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stackrel (contents)	Adding subscript option to stackrel	[ctan]
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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.

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1.1	Introduction	1
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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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1.1	Introduction
1.2	Bitmap image parsers
1.2.1	User interface
1.2.2	Hints
1.2.3	Test program
1.2.4	Interface for programmers
1.3	Improved bitmap inclusion
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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 \rightleftharpoons and \rightleftharpoons.

1 Usage	1
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2 Implementation	2
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The classlist package

Abstract

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

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Usage
mplementation
nstallation
Download
Bundle installation
Package installation
Refresh file name databases
Some details for the interested
History
$5/06/19 \text{ v} \cdot 1.0]$
5/06/19 v1.1
6/02/20 v1.2
8/08/11 v1.3
1/10/17 v1.4]
6/05/16 v1.5]

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
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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 coor stack space".

1 L	Documentation	1
1.1	Introduction	1
1.2	Usage	2
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The engord package

Abstract

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

1	Usage
1.1	Package options
1.2	Examples
2	Implementation
2.1	Reload check and identification
2.2	Help commands for plain compatibility
2.3	User macros
2.4	Suffix generation
3	Installation
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-	07/04/26 v1.4]
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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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1.2	Contexts	3
1.3	Options	3
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The eolgrab package

${\bf Abstract}$

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

${\bf Abstract}$

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

1	Documentation	
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2.3	Setup precalculated values	ļ
2.4	Macros for precalculating values	(
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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.

1 I	Documentation
1.1	User interface
1.2	Requirements
1.3	ToDo
2 I	Implementation
3 1	Installation
3.1	Download
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	$07/09/30 \mathrm{v0.4}]$
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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.

1 ($\cup {f sage}$
1.1	Bookmarks restrictions
1.2	\texorpdfstring
1.3	Sectioning commands
1.4	Places for sectioning strings
1.5	Solution with optional arguments
1.6	Syntax
1.6.1	Star form
1.6.2	Without optional arguments
1.6.3	
1.6.4	Two optional arguments
1.6.5	Optional argument in parentheses
1.7	Without hyperref
1.8	Protecting parentheses
	mplementation nstallation
3.1	Download
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	8/11/20 v1.0]
	9/04/12 v2.0]
-	0/03/22 v2.1]
	6/02/20 v2.2]
	7/03/05 v2.3]
	7/04/11 v2.4]
[2016	5/05/16 v2.5]
5 T	ndex

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 \capstart 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
[19	99/02/13 v1.0]	7
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5	Index	8

The hypgotoe package

Abstract

Experimental package for links to embedded files.

1 1	Documentation
1.1	Introduction
1.2	User interface
1.3	Example
2 1	Implementation
2.1	Identification
2.2	Load packages
2.3	Color support
2.4	Extend \href
2.5	Implement gotoe action
2.6	Keys for gotoe action
3 1	Installation
3.1	Download
3.2	Bundle installation
3.3	Package installation
3.4	Refresh file name databases
3.5	Some details for the interested
4 1	References
	History
[200	07/10/30 v0.1]
	$\frac{1.6}{0.5} \frac{16}{16} \text{ v} = 0.2$
-	9/12/29 v0.3
-	Index

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	In short
1.2	Longer version
	I₽TEX
	plain T _E X
2	Implementation
2.1	Reload check and package identification
	Package
3	Installation
3.1	Download
3.2	Bundle installation
3.3	
3.4	
3.5	Some details for the interested
	History
[200	08/06/07 v0.1]
	08/06/09 v0.2]
-	16/05/16 v0.3]
5	Index

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
	User macros	
2	Implementation	2
3	Installation	3
3.1	Download	3
3.2	Bundle installation	3
3.3		3
3.4	Refresh file name databases	
3.5	Some details for the interested	4
4	History	4
[19	99/12/28 v1.0]	4
	05/10/05 v1.1]	
	106/02/20 v1.2]	
	08/08/11 v1.3	
-	016/05/16 v1.4]	
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 Implementation
2.1 Reload check and package identification
2.2 Tools
2.2.1 Provide some basic macros of LaTEX
2.2.2 Expandible existence check for macros
2.2.3 Macros for messages
2.2.4 Support for etex.src
2.3 \IfLanguagePatterns
2.4 \IfLanguageName
2.5 Check plausibility of \languagename
3 Installation
3.1 Download
3.2 Bundle installation
3.3 Package installation
3.4 Refresh file name databases
3.5 Some details for the interested
4 Acknowledgement
5 History
[2007/04/10 v1.0]
[2007/04/11 v1.1]
[2007/04/12 v1.2]
[2007/04/26 v1.3]
[2007/09/09 v1.4]
[2007/11/11 v1.5]
[2016/05/16 v1.6]
[2018/01/21 v1.7]
6 Index

The pdfcolparallel package

Abstract

This packages fixes bugs in parallel and improves color support by using several color stacks that are provided by pdfT_EX since version 1.40.

1	Usage	1
1.1	Option rulebetweencolor	2
1.2	Future	
2	Implementation	2
2.1	Identification	2
2.2	Load and fix package parallel	2
2.3	Color stack support	
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
[200	07/09/09 v1.0]	11
	07/12/12 v1.1	
-	08/08/11 v1.2]	
-	10/01/11 v1.3	
-	16/05/16 v1.4]	
-	19/12/29 v1.5]	
6	Index	12

The pdfcolparcolumns package

Abstract

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

1 L	$_{ m J}{ m sage}$
1.1	Option rulebetweencolor
1.2	Future
2 I	mplementation
2.1	Identification
2.2	Load packages
2.2.1	
2.2.2	Package pdfcol
2.2.3	Package infwarerr
2.3	Color stack macros
2.4	Patches
2.4.1	Init stacks
2.4.2	Switch stack
2.4.3	Set current stack color
3 I	nstallation
3.1	Download
3.2	Bundle installation
3.3	Package installation
3.4	Refresh file name databases
3.5	Some details for the interested
4 F	References
5 H	History 7
[2007	7/07/26 v1.0]
-	7/09/09 v1.1]
	8/08/11 v1.2]
-	0/01/11 v 1.3
	6/05/16 v 1.4]
	9/12/29 v1.5]
6 I	ndex 8

The pdfcrypt package

Abstract

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

1 L	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		3
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2 I	mplementation	4
2.1	Help macros for plain TEX	4
2.2	Package Identification and checks	5
2.3	Driver detection	5
2.4	Load package keyval	6
2.5	Define options	7
2.6	support of configuration file	11
2.7	Package options	11
3 I	nstallation	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
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[2001	1/04/02 v0.1]	13
	1/07/19 v0.2]	13
[2001	1/07/19 v0.3]	13
	1/07/19 v0.4]	13
[2001	1/08/05 v0.5]	13
[2001	1/08/09 v0.6]	13
[2001	1/10/28 v0.7]	13
[2006	6/02/20 v0.8]	13
	7/04/11 v0.9]	14
-	7/04/26 v1.0]	14
[2016	5/05/16 v1.1]	14
5 I	ndex	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	
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 $\dots \dots \dots \dots$	
2.2 Enable color support of LaTeX	7
2.3 Hook into \normalcolor	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
C. III:-t	19
6 History [2010/01/26 v1.0]	
[2010/01/20 v1.0]	20
[2010/01/27 v1.1]	
[2016/05/14 v1.3]	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
[2019/12/29 v1.6]	
[2019/12/29 v1.0]	20
7 Index	20

The protecteddef package

Abstract

This packages provides \ProtectedDef for defining robust macros for both plain T_EX and L^AT_EX . First ε - T_EX 's \protected is tried, then L^AT_EX 's \protected beclareRobustCommand is used. Otherwise the macro is not made robust.

1	Documentation	1
1.1	The LaTeX's way	2
1.2		
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		
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
[20	011/01/31 v1.0]	8
	016/05/16 v1.1]	
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 Options			 	4
1.2 Options for packages amsn	nath or graphics	5	 	4
2 Implementation				
3 Installation				8
3.1 Download			 	
3.2 Bundle installation			 	
3.3 Package installation			 	
3.4 Refresh file name database				
3.5 Some details for the interest	sted		 	
4 Acknowledgement				9
5 History				9
$[2009/12/04 \text{ v}1.0] \dots \dots$			 	
[2009/12/05 v1.1]				
[2010/03/01 v1.2]				
[2016/05/16 v1.3]				
6 Index				ę

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 \EdefRot as robust macro	5
2.5 Set $\$ lccode 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 \RotCh@rot with big char support	7
2.8 \RotCh@rot 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]	_
[2016/05/16 v1.1]	
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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	Usage
1.2	Preambles
	1 Class scrartcl
1.2.	2 Classes scrreprt and scrbook
2	Implementation
3	Installation
3.1	Download
3.2	Bundle installation
3.3	Package installation
	Refresh file name databases
	Some details for the interested
	History
[200	08/07/07 v1.0]
200	08/08/11 v1.1]
	16/05/16 v1.2
5]	Index

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 I		2
1.1	Introduction	2
1.2		2
1.3	Usage	2
1.4	Option hyperref	3
1.5	Example	3
2 1	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 hyperref	9
3 I	Installation	9
3.1	Download	9
3.2	Bundle installation	9
3.3	Package installation	9
3.4	Refresh file name databases	0
3.5	Some details for the interested	.0
4 I	References 1	0
5 I	History 1	1
[200	$05/10/05 \text{ v} \cdot 1.0] \dots \dots$. 1
[200	$05/10/07 \text{ v}1.1] \dots \dots$. 1
[200	05/10/18 v1.2]	1
	06/02/12 v1.3]	1
[200	06/08/26 v1.4]	1
[200	07/04/26 v1.5]	. 1
[200	[07/05/17 v1.6]	. 1
	$0.7/0.9/0.9 \text{ v} \cdot 1.7$	1
[201	$\frac{6}{05}/16 \text{ v} \cdot 1.8$. 1
6 I	Index 1	1

The settobox package

Abstract

Commands are defined for getting box sizes similar to LaTeX's $\$ 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
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3.3 Package installation	6
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3.5 Some details for the interested	7
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[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
	Installation	3
3.1	l Download	3
3.2	2 Bundle installation	3
3.3	B Package installation	
3.4	Refresh file name databases	3
3.5	Some details for the interested	3
4	History	4
[20	006/12/02 v1.0]	4
[20	007/05/06 v1.1]	4
[20	007/11/11 v1.2]	4
[20	016/05/16 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
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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 Index	6

The tabularht package

Abstract

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

1 L	$J\mathbf{sage}$	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		3
2 I:	mplementation	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 I	nstallation	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 H	History	14
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	6/02/20 v2.2]	15
	6/12/22 v2.3]	15
	7/03/21 v2.4	15
-	7/04/11 v2.5	15
	6/05/16 v2.6]	15
	9/12/29 v2.7]	15
5 I:	ndex	15

The tabularkv package

Abstract

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

	Usage
1.1	Example
2 1	Implementation
3 1	Installation
3.1	Download
3.2	Bundle installation
3.3	Package installation
3.4	Refresh file name databases
3.5	Some details for the interested
4 I	History
[200	05/09/22 v1.0]
[200	06/02/20 v1.1]
[201	6/05/16 v1.2]
5 I	Index

The telprint package

Abstract

Package telprint provides $\backslash \mathtt{telprint}$ for formatting German phone numbers.

1 I	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 I	mplementation	3
2.1	Reload check and package identification	3
2.2	Catcodes	4
2.3	Package macros	5
3 I	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 F	History	9
[1996	6/11/28 v1.0]	9
[199]	7/09/16 v1.1]	9
[199]	7/10/16 v1.2]	9
	7/12/09 v1.3]	9
[2004]	4/11/02 v1.4]	9
[2005]	5/09/30 v1.5]	9
	6/02/12 v1.6]	9
[2000]	6/08/26 v1.7]	9
	7/04/11 v1.8]	9
	7/09/09 v1.9]	9
[2008]		10
[2016	6/05/16 v1.11]	10
5 T	ndex	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 Doc	umentation	2
1.1 Int	roduction	2
1.2 Us	$_{ m age}$	2
1.3 Use	er macros	2
1.4 Inp	o <mark>ut number</mark>	3
1.5 Eri	or handling	3
2 Imp	lementation	4
2.1 Re	load check and package identification	4
2.2 Ca	m tcodes	5
2.3 He	per macros	6
2.4 De	tect $arepsilon$ -TeX $oxdot$	6
2.5 Use	er macro \thepdfnumber	6
2.5.1 S	State definitions for sign	7
2.5.2 S	State definitions for integer part	8
2.5.3 S	State definitions for decimal digits	9
2.6 No	rm macro	1
2.6.1 S	State definitions for sign	1
2.6.2	State definitions for integer part	2
2.6.3	State definitions for decimal digits	13
3 Inst	allation 1	4
3.1 Do	<mark>wnload</mark>	4
3.2 Bu	ndle installation	15
3.3 Pa	ckage installation	5
3.4 Re	fresh file name databases	15
3.5 Soi	me details for the interested	5
4 Refe	erences 1	6
5 Hist	ory 1	6
	·	6
L /		6
6 Inde	e <mark>x</mark>	6

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		
3.3		
3.4	Refresh file name databases	
	Some details for the interested	
4	History	5
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	998/10/30 v1.1]	
	998/11/04 v1.2]	
	999/04/12 v1.3	
-	$006/02/20 \text{ v} \cdot 1.4$	
-	008/08/11 v1.5]	
-	$016/05/16 \text{ v} 1.6] \ldots \ldots \ldots \ldots$	
5	Index	5