

CTAN:macros/latex/contrib/oberdiek/

Heiko Oberdiek

<oberdiek@uni-freiburg.de>

2007/09/14

1 Overview

accsupp (contents)	2007/03/21 v0.1 Accessibility support by marked content	[pdf] [dtx]
aliascnt (contents)	2006/09/25 v1.2 Alias counter	[pdf] [dtx]
alphalph (contents)	2007/04/11 v2.0 Converting numbers to letters	[pdf] [dtx]
atbegshi (contents)	2007/09/09 v1.6 At begin shipout hook	[pdf] [dtx]
atenddvi (contents)	2007/04/17 v1.1 At end DVI hook	[pdf] [dtx]
attachfile2 (contents)	2007/04/11 v2.3 attach files into PDF	[pdf] [dtx]
auxhook (contents)	2006/04/06 v1.1 Hooks for auxiliary files	[pdf] [dtx]
bmpsize (contents)	2007/04/29 v1.3 Extract size and resolution data from bitmap files	[pdf] [dtx]
bookmark (contents)	2007/07/13 v1.1 PDF bookmarks	[pdf] [dtx]
catchfile (contents)	2007/09/09 v1.1 Catches the contents of a file	[pdf] [dtx]
centernot (contents)	2007/05/31 v1.1 Centers the not symbol horizontally	[pdf] [dtx]
chemarr (contents)	2006/02/20 v1.2 Chemical reaction arrows	[pdf] [dtx]

classlist (contents)	2006/02/20 v1.2 Record loaded classes	[pdf] [dtx]
colonequals (contents)	2006/08/01 v1.0 Colon equals symbols	[pdf] [dtx]
dvipscol (contents)	2006/02/20 v1.1 Fix for dvips.def	[pdf] [dtx]
embedfile (contents)	2007/09/09 v1.2 embed files into PDF	[pdf] [dtx]
engord (contents)	2007/09/09 v1.5 Provides the ifpdf switch	[pdf] [dtx]
epstopdf (contents)	2007/04/26 v1.4 Conversion with epstopdf on the fly	[pdf] [dtx]
etexcmds (contents)	2007/09/09 v1.1 Providing prefix for e-TeX command names	[pdf] [dtx]
flags (contents)	2007/03/07 v0.3 Flag setting in bit fields	[pdf] [dtx]
grffile (contents)	2007/08/16 v1.5 Extended file name support for graphics	[pdf] [dtx]
holtxdoc (contents)	2006/06/02 v0.7 Private additional ltxdoc support	[pdf] [dtx]
hycolor (contents)	2007/04/11 v1.1 Code for color options of hyperref/bookmark	[pdf] [dtx]
hypbmsec (contents)	2007/04/11 v2.4 Bookmarks in sectioning commands	[pdf] [dtx]
hypcap (contents)	2007/04/09 v1.7 Adjusting anchors of captions	[pdf] [dtx]
hypdestopt (contents)	2006/06/01 v2.0 Hyperref destination optimizer	[pdf] [dtx]
hypdoc (contents)	2007/04/11 v1.5 Hyper extensions for doc.sty	[pdf] [dtx]
ifdraft (contents)	2006/02/20 v1.2 Switch for option draft	[pdf] [dtx]
iflang (contents)	2007/09/09 v1.4 Language checks	[pdf] [dtx]
ifpdf (contents)	2007/09/09 v1.5 Provides the ifpdf switch	[pdf] [dtx]

ifvtex (contents)	2007/09/09 v1.3 Switches for detecting VTeX and its modes	[pdf] [dtx]
infwarerr (contents)	2007/09/09 v1.2 Providing info/warning/message	[pdf] [dtx]
inputenx (contents)	2007/08/16 v1.3 Enhanced input encoding handling	[pdf] [dtx]
intcalc (contents)	2007/09/09 v1.0 Expandable integer calculations	[pdf] [dtx]
kvoptions (contents)	2007/06/11 v2.7 Connects package keyval with L ^A T _E X options	[pdf] [dtx]
kvsetkeys (contents)	2007/09/09 v1.2 Key value parser with default handler support	[pdf] [dtx]
makerobust (contents)	2006/03/18 v1.0 Making a macro robust	[pdf] [dtx]
pagesel (contents)	2007/04/12 v1.7 Selecting shipout output pages	[pdf] [dtx]
pdfcol (contents)	2007/09/09 v1.0 Maintaining additional color stacks for pdfTeX	[pdf] [dtx]
pdfcolfoot (contents)	2007/09/09 v1.1 pdfTeX's color stack for footnotes	[pdf] [dtx]
pdfcolmk (contents)	2007/04/11 v1.1 PDFtex COLor MarK	[pdf] [dtx]
pdfcolparallel (contents)	2007/09/09 v1.0 Color stacks support for parallel	[pdf] [dtx]
pdfcolparcolumns (contents)	2007/09/09 v1.1 Color stacks support for parcolumns	[pdf] [dtx]
pdfcrypt (contents)	2007/04/26 v1.0 Setting pdf encryption	[pdf] [dtx]
pdfescape (contents)	2007/09/09 v1.6 Provides hex, PDF name and string conversions	[pdf] [dtx]
pdfscape (contents)	2007/04/17 v0.8 Landscape pages in PDF	[pdf] [dtx]
picture (contents)	2007/04/11 v1.1 Dimens for picture macros	[pdf] [dtx]
pmboxdraw (contents)	2006/05/03 v1.0 Poor man's box drawing characters	[pdf] [dtx]

refcount (contents)	2006/02/20 v3.0 Data extraction from references	[pdf] [dtx]
selinput (contents)	2007/09/09 v1.2 Select input encoding	[pdf] [dtx]
setouterhbox (contents)	2007/09/09 v1.7 Set hbox in outer horizontal mode	[pdf] [dtx]
settobox (contents)	2007/04/11 v1.3 Getting box sizes	[pdf] [dtx]
soulutf8 (contents)	2007/09/09 v1.0 Adding support for UTF-8 to soul	[pdf] [dtx]
stackrel (contents)	2007/05/06 v1.1 Adding subscript option to stackrel	[pdf] [dtx]
stringenc (contents)	2007/09/09 v1.2 Converts strings between encodings	[pdf] [dtx]
tabularht (contents)	2007/04/11 v2.5 Tabular with height specification	[pdf] [dtx]
tabularkv (contents)	2006/02/20 v1.1 Key value interface for tabular parameters	[pdf] [dtx]
telprint (contents)	2007/09/09 v1.9 Formatting of German phone numbers	[pdf] [dtx]
transparent (contents)	2007/01/08 v1.0 Using a pdfTeX's color stack for transparency	[pdf] [dtx]
twoopt (contents)	2006/02/20 v1.4 Definitions with two optional arguments	[pdf] [dtx]
zref (contents)	2007/05/28 v2.1 New reference scheme for L ^A T _E X 2 _ε	[pdf] [dtx]

2 Packages

The accsupp package

Abstract

Since PDF 1.5 portions of a page can be marked for better accessibility support. For example, replacement texts or expansions of abbreviations can be provided. Package **accsupp** starts with providing a minimal low-level interface for programmers. Status is experimental.

1 Documentation	2
1.1 Macros	2

1.1.1	Feature options	2
1.1.2	Input methods	2
1.2	Driver options	3
1.2.1	Option <code>pdftex</code>	3
1.2.2	Option <code>dvipdfm</code>	3
1.2.3	Option <code>dvips</code>	3
1.2.4	Turning off page stream compression	3
2	Example	3
3	Implementation	4
3.1	Package	4
3.2	Driver detection and setup	4
3.3	Main macro	5
3.3.1	Input methods	7
3.4	Drivers	7
3.4.1	Driver <code>pdftex</code>	7
3.4.2	Driver <code>dvipdfm</code>	8
3.4.3	Driver <code>dvips</code>	8
4	Installation	8
4.1	Download	8
4.2	Bundle installation	8
4.3	Package installation	9
4.4	Refresh file name databases	9
4.5	Some details for the interested	9
5	References	10
6	History	10
	[2007/03/21 v0.1]	10
7	Index	10

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
7	Index	5

The alphaph package

Abstract

The package provides methods to represent numbers with a limited set of symbols. Both L^AT_EX and plain-T_EX are supported.

1	Documentation	2
1.1	Introduction	2
1.2	Use cases	2
1.2.1	Number system based on symbols	2
1.2.2	Wrap symbols around	3
1.2.3	Multiple symbols	3
1.3	Glossary	4
1.4	Package usage	4
1.5	User commands	4
1.6	Programmer commands	5
1.7	Design principles	5
1.7.1	Number presentation commands	5
1.7.2	General usability	6
2	Implementation	6
2.1	Begin of package	6
2.2	Catcodes	7
2.3	Package loading	7
2.4	ε -T _E X detection	8
2.5	Help macros	8
2.6	Symbol provider	9
2.6.1	Alphabet	9
2.7	Finding number of symbols	10
2.8	Methods	11
2.8.1	Common methods	11
2.8.2	Method ‘alph’	12
2.8.3	Method ‘wrap’	12
2.8.4	Method ‘mult’	13
2.9	User interface	14
3	Test	15
3.1	Catcode checks for loading	15
4	Macro tests	16
5	Installation	20
5.1	Download	20
5.2	Bundle installation	20
5.3	Package installation	20
5.4	Refresh file name databases	21
5.5	Some details for the interested	21

6 History	21
[1999/03/19 v0.1]	21
[1999/04/12 v1.0]	21
[1999/04/13 v1.1]	22
[1999/06/26 v1.2]	22
[2006/02/20 v1.3]	22
[2006/05/30 v1.4]	22
[2007/04/11 v1.5]	22
[2007/09/09 v2.0]	22
7 Index	22

The atbegshi package

Abstract

This package is a modern reimplementation of package `everyshi` without the burden of compatibility. It makes use of ε -TeX's if available. Both L^AT_EX and plain-T_EX are supported.

1	Documentation	2
1.1	Example	3
2	Method of <code>\shipout</code> overloading	4
2.1	<code>\shipout</code>	4
2.2	<code>\afterassignment</code>	4
2.3	Test for direct or indirect boxes	5
2.3.1	With ε -TeX	5
2.3.2	Without ε -TeX	5
2.3.3	<code>\lastkern</code> method	6
2.4	Output	7
2.5	Separate box register	7
2.6	Summary	7
2.6.1	With ε -TeX	7
2.6.2	Without ε -TeX, traditional way	8
2.6.3	<code>\lastkern</code> method	9
3	Implementation	9
3.1	Reload check and package identification	9
3.2	Catcodes	10
3.3	Preparations	10
3.4	Positioning	14
3.5	Patches	15
3.5.1	Package <code>crop</code>	15
3.5.2	Package <code>everyshi</code>	17
3.5.3	Class <code>memoir</code>	18
4	Test	20
4.1	Catcode checks for loading	20
5	Installation	23
5.1	Download	23
5.2	Bundle installation	23
5.3	Package installation	23
5.4	Refresh file name databases	24
5.5	Some details for the interested	24

6 History	24
[2007/04/17 v1.0]	24
[2007/04/18 v1.1]	25
[2007/04/19 v1.2]	25
[2007/04/26 v1.3]	25
[2007/04/27 v1.4]	25
[2007/06/06 v1.5]	25
[2007/09/09 v1.6]	25
7 Index	25

The atenddvi package

Abstract

L^AT_EX offers `\AtBeginDvi`. This package `atenddvi` provides the counterpart `\AtEndDvi`. The execution of its argument is delayed to the end of the document at the end of the last page. Thus `\special` and `\write` remain effective, because they are put into the last page. This is the main difference to `\AtEndDocument`.

1	Documentation	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
	[2007/03/20 v1.0]	5
	[2007/04/17 v1.1]	5
5	Index	5

The attachfile2 package

Abstract

This package can be used to attach files to a PDF document. It is a further development of Scott Pakin's package `attachfile` for pdfTeX. Apart from bug fixes, package `attachfile2` adds support for `dvips`, some new options, gets and writes meta information data about the attached files.

1	Documentation	2
1.1	Introduction	2
1.1.1	Future development	2
1.2	User interface	3
1.2.1	New options	3
1.2.2	Perl script <code>pdfatfi.pl</code>	3
1.3	Changes to <code>attachfile</code>	3
2	Implementation	4
2.1	Package	4
2.2	Drivers	16
2.2.1	pdfTeX	16
2.2.2	dvips	18
2.3	Perl script <code>pdfatfi.pl</code>	26
3	Installation	29
3.1	Download	29
3.2	Bundle installation	29
3.3	Package installation	30
3.4	Refresh file name databases	30
3.5	Script installation	30
3.6	Some details for the interested	30
4	References	31
5	History	31
	[2005/02/23 v2.0]	31
	[2005/10/07 v2.1]	31
	[2006/08/17 v2.2]	32
	[2007/04/11 v2.3]	32
6	Index	32

The auxhook package

Abstract

Package auxhook provides hooks for adding stuff at the begin of .aux files.

1	User interface	1
2	Implementation	2
2.1	Identification	2
2.2	Hook setup	2
2.3	User macros	2
2.4	Patches	3
2.4.1	\document	3
2.4.2	\@include	3
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	References	5
5	History	6
	[2006/05/31 v1.0]	6
	[2007/04/06 v1.1]	6
6	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	2
1.2.1	User interface	3
1.2.2	Hints	3
1.2.3	Test program	3
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	12
2.2.3	bmp	20
2.2.4	gif	22
2.2.5	tiff	23
2.2.6	pnm	27
2.2.7	pam	30
2.2.8	xpm	36
2.2.9	tga	41
2.2.10	pcx	43
2.2.11	msp	44
2.2.12	sgi	45
2.3	Package <code>bmpsize</code>	46
2.4	Drivers	49
2.4.1	dvips	49
2.4.2	dvipdfm and dvipdfmx	50
2.5	Test program <code>bmpsize-test.tex</code>	54
3	Installation	56
3.1	Download	56
3.2	Bundle installation	56
3.3	Package installation	56
3.4	Refresh file name databases	56
3.5	Some details for the interested	57

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

The bookmark package

Abstract

This package implements a new bookmark (outline) organization for package `hyperref`. Bookmark properties such as style and color can now be set. Other action types are available (URI, GoToR, Named). The bookmarks are generated in the first compile run. Package `hyperref` uses two runs.

1	Documentation	2
1.1	Introduction	2
1.2	Options	2
1.2.1	Driver options	3
1.2.2	Style options	3
1.2.3	Action options	3
1.2.4	Level options	4
1.3	Compatibility with <code>hyperref</code>	5
1.4	Adding bookmarks at the end	5
1.5	Limitations/Todos	6
2	Example	6
3	Implementation	7
3.1	Package	7
3.1.1	Requirements	7
3.1.2	Package options	8
3.1.3	Action options	11
3.1.4	Option <code>atend</code>	13
3.1.5	Driver setup and loading	14
3.1.6	Compatibility for <code>hyperref</code>	16
3.2	Driver for <code>dvipdfm</code>	16
3.3	Driver for <code>VT_EX</code>	19
3.4	Driver for <code>pdfT_EX</code>	23
3.5	Drivers with <code>pdfmark</code> specials	24
3.5.1	Driver <code>dvips</code>	24
3.5.2	Driver <code>dvipsone</code>	25
3.5.3	Driver <code>textures</code>	25
3.5.4	Common part	25
3.6	Common part for <code>pdftex</code> and <code>pdfmark</code>	27
3.6.1	Write auxiliary file	27
3.6.2	Read auxiliary data	29
3.7	Option <code>atend</code>	29
3.7.1	Hook	29
3.7.2	Drivers using <code>\AtEndDocument</code>	30
3.7.3	Drivers using <code>\AtEndDvi</code>	30

4	Installation	30
4.1	Download	30
4.2	Bundle installation	30
4.3	Package installation	31
4.4	Refresh file name databases	31
4.5	Some details for the interested	31
5	History	32
[2007/02/19 v0.1]	. . . . .	32
[2007/02/20 v0.2]	. . . . .	32
[2007/02/21 v0.3]	. . . . .	32
[2007/02/22 v0.4]	. . . . .	32
[2007/03/02 v0.5]	. . . . .	32
[2007/03/03 v0.6]	. . . . .	32
[2007/03/07 v0.7]	. . . . .	32
[2007/04/09 v0.8]	. . . . .	33
[2007/04/25 v0.9]	. . . . .	33
[2007/05/29 v1.0]	. . . . .	33
[2007/07/13 v1.1]	. . . . .	33
6	Index	33

The catchfile package

Abstract

This package catches the contents of a file and puts it in a macro. It requires ϵ -TeX. Both L^AT_EX and plain-T_EX are supported.

1	Documentation	1
2	Implementation	2
2.1	Reload check and package identification	2
2.2	Catcodes	3
2.3	Preparations	3
2.4	Looking for primitive <code>\input</code>	3
2.5	Input file check	4
2.6	Catch file contents	5
3	Test	6
3.1	Catcode checks for loading	6
3.2	L ^A T _E X	6
3.3	plain-T _E X	7
4	Installation	7
4.1	Download	7
4.2	Bundle installation	8
4.3	Package installation	8
4.4	Refresh file name databases	8
4.5	Some details for the interested	8
5	History	9
	[2007/05/30 v1.0]	9
	[2007/09/09 v1.1]	9
6	Index	9

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
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	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]	4
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	1
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
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	6
4	References	6
5	History	6
	[2006/08/01 v1.0]	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
5	Index	5

The embedfile package

Abstract

This package embeds files to a PDF document. Currently the only supported driver is pdfTeX ≥ 1.30 in PDF mode.

1	Documentation	2
1.1	Introduction	2
1.1.1	Future development	2
1.2	User interface	2
1.3	Examples	3
1.3.1	plain-T _E X	3
1.4	Package dtx-attach	4
2	Implementation	4
2.1	Reload check and package identification	4
2.2	Catcodes	5
2.3	Tools	5
2.4	Check for recent pdfTeX in PDF mode	6
2.5	Key value definitions	6
2.6	Embed the file	8
3	Test	11
3.1	Catcode checks for loading	11
3.2	Simple test	11
4	Installation	12
4.1	Download	12
4.2	Bundle installation	12
4.3	Package installation	12
4.4	Refresh file name databases	13
4.5	Some details for the interested	13
5	References	13
6	History	14
	[2006/08/16 v1.0]	14
	[2007/04/11 v1.1]	14
	[2007/09/09 v1.2]	14
7	Index	14

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	3
2.3	User macros	4
2.4	Suffix generation	5
3	Test	7
3.1	Catcode checks for loading	7
4	Installation	8
4.1	Download	8
4.2	Bundle installation	8
4.3	Package installation	8
4.4	Refresh file name databases	8
4.5	Some details for the interested	9
5	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]	10
	[2007/09/09 v1.5]	10
6	Index	10

The epstopdf package

Abstract

This packages adds support of handling eps images to package `graphics` or `graphicx` with option `pdftex`. If an eps image is detected, `epstopdf` is automatically called to convert it to pdf format.

1	Documentation	1
1.1	Requirements	1
2	Usage	2
2.1	Configuration	2
2.2	Other image formats	2
3	Implementation	3
3.1	Relead check and identification	3
3.2	Help macros for miniltx mode	4
3.3	Checks	4
3.4	Adding conversion support	5
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	History	7
	[2001/01/06 v1.0]	7
	[2001/02/04 v1.1]	7
	[2006/02/20 v1.2]	7
	[2006/08/26 v1.3]	7
	[2007/04/26 v1.4]	7
6	Index	7

The etexcmds package

Abstract

New primitive commands are introduced in ε -TeX. Sometimes the names collide with existing macros. This package solves this name clashes by adding a prefix to ε -TeX's commands. For example, ε -TeX's `\unexpanded` is provided as `\etex@unexpanded`.

1	Documentation	1
2	Implementation	2
2.1	Reload check and package identification	2
2.2	Catcodes	3
2.3	Load package <code>infwarerr</code>	3
2.4	<code>\unexpanded</code>	3
3	Test	4
3.1	Catcode checks for loading	4
3.2	Macro tests	5
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	History	7
	[2007/04/26 v1.0]	7
	[2007/09/09 v1.1]	7
6	Index	7

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	1
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
5	Index	7

The grffile package

Abstract

The package extends the file name processing of package `graphics` to support a larger range of file names. For example, the file name may contain several dots. Or in case of pdf_TE_X in PDF mode the file name may contain spaces.

1	Usage	2
1.1	Option <code>multidot</code>	2
1.2	Option <code>babel</code>	2
1.3	Option <code>extendedchars</code>	2
1.4	Option <code>encoding</code>	2
1.4.1	Option <code>inputencoding</code>	3
1.4.2	Option <code>filenameencoding</code>	3
1.4.3	Example	3
1.5	Option <code>space</code>	3
1.6	General use	4
1.7	Default settings	4
2	Implementation	4
2.1	Identification	4
2.2	Catcode stuff	4
2.3	Options	4
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	References	10
5	History	10
	[2004/07/18 v0.5]	10
	[2006/08/15 v1.0]	10
	[2006/08/17 v1.1]	10
	[2006/11/30 v1.2]	10
	[2007/04/11 v1.3]	10
	[2007/06/13 v1.4]	10
	[2007/08/16 v1.5]	10
6	Index	10

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	1
2	Implementation	2
2.1	Help macros	2
2.2	History	2
2.3	Formatting macros	2
2.4	Names	4
2.5	Setup	4
2.5.1	Package doc	4
2.5.2	Page layout	4
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
[1999/06/26 v0.3]	. . . . .	6
[2000/08/14 v0.4]	. . . . .	6
[2001/08/27 v0.5]	. . . . .	6
[2001/09/02 v0.6]	. . . . .	6
[2006/06/02 v0.7]	. . . . .	6
5	Index	6

The hycolor package

Abstract

Package hycolor implements the color option stuff that is used by packages hyperref and bookmark. It is not intended as package for the user.

1 Documentation	1
1.1 Summary	2
2 Implementation	2
2.1 Normalization	2
2.1.1 Sanitize value of color option	2
2.1.2 Normalize result	3
2.2 Main algorithm for color options	5
2.3 Package bookmark	5
2.4 Utils	7
2.5 Package hyperref	7
2.5.1 Options Hyp.*color	7
2.5.2 Generic algorithm	9
2.5.3 Field options	11
2.5.4 Detection for naked RGB values	11
2.5.5 Options *bordercolor	13
3 Test	14
4 Installation	18
4.1 Download	18
4.2 Bundle installation	19
4.3 Package installation	19
4.4 Refresh file name databases	19
4.5 Some details for the interested	19
5 History	20
[2007/04/09 v1.0]	20
[2007/04/11 v1.1]	20
6 Index	20

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	8
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]	9
	[2007/03/05 v2.3]	9
	[2007/04/11 v2.4]	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	1
1.1	Package options	2
1.2	User commands	2
1.3	Limitations	2
2	Implementation	2
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	6
4	History	6
[1999/02/13 v1.0]	. . . . .	6
[2000/08/14 v1.1]	. . . . .	6
[2000/09/07 v1.2]	. . . . .	6
[2001/08/27 v1.3]	. . . . .	6
[2001/09/06 v1.4]	. . . . .	6
[2006/02/20 v1.5]	. . . . .	7
[2007/02/19 v1.6]	. . . . .	7
[2007/04/09 v1.7]	. . . . .	7
5	Index	7

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.

1	User interface	2
1.1	Introduction	2
1.2	Requirements	2
1.3	Use	2
1.4	Limitations	2
1.5	Future	3
2	Implementation	3
2.1	Identification	3
2.2	Options	3
2.2.1	Option <code>verbose</code>	3
2.2.2	Options <code>num</code> and <code>name</code>	3
2.3	Check requirements	4
2.4	Preamble for auxiliary file	4
2.5	Generation of destination names	4
2.6	Assign destination names	6
2.7	Redefinition of <code>hyperref</code> 's hooks	6
2.7.1	Destination setting	7
2.7.2	Links	7
2.7.3	Outlines	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
	[2006/06/01 v1.0]	10
	[2006/06/01 v2.0]	10
6	Index	10

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.

1	Features	1
2	Usage	2
2.1	Options	2
2.2	Simple example	2
2.3	Example <code>source2e.tex</code>	3
3	Implementation	3
4	Installation	11
4.1	Download	11
4.2	Bundle installation	11
4.3	Package installation	12
4.4	Refresh file name databases	12
4.5	Some details for the interested	12
5	History	12
[2002/05/10 v1.0]	. . . . .	12
[2006/02/20 v1.1]	. . . . .	13
[2006/04/27 v1.2]	. . . . .	13
[2006/06/01 v1.3]	. . . . .	13
[2006/06/02 v1.4]	. . . . .	13
[2007/04/11 v1.5]	. . . . .	13
6	Index	13

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	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	4
3.5	Some details for the interested	4
4	History	4
	[1999/12/28 v1.0]	4
	[2005/10/05 v1.1]	5
	[2006/02/20 v1.2]	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	4
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>	7
3	Test	7
3.1	Catcode checks for loading	7
3.2	Test with L ^A T _E X	8
3.3	Test with plain-T _E X and ε -T _E X	9
3.4	Test with plain-T _E X and without ε -T _E X/pdfT _E X	10
4	Installation	11
4.1	Download	11
4.2	Bundle installation	11
4.3	Package installation	12
4.4	Refresh file name databases	12
4.5	Some details for the interested	12
5	Acknowledgement	13
6	History	13
	[2007/04/10 v1.0]	13
	[2007/04/11 v1.1]	13
	[2007/04/12 v1.2]	13
	[2007/04/26 v1.3]	13
	[2007/09/09 v1.4]	13
7	Index	13

The ifpdf package

Abstract

This package looks for pdfTeX in pdf mode and implements and sets the switch `\ifpdf`. The detection is based on `\pdfoutput` and the package will not change this value. It works with plain or L^AT_EX formats.

1	Documentation	2
1.1	Introduction	2
1.2	Usage	2
1.3	Specification	3
1.4	Future	3
2	Implementation	3
2.1	Reload check and package identification	3
2.2	Catcodes	4
2.3	Check for previously defined <code>\ifpdf</code>	5
2.4	<code>\ifpdf</code>	5
2.5	Protocol entry	5
3	Test	6
3.1	Catcode checks for loading	6
4	Installation	6
4.1	Download	6
4.2	Bundle installation	7
4.3	Package installation	7
4.4	Refresh file name databases	7
4.5	Some details for the interested	7
5	History	8
	[2001/06/14 v1.0]	8
	[2001/07/14 v1.1]	8
	[2001/09/26 v1.2]	8
	[2005/07/22 v1.3]	8
	[2006/02/20 v1.4]	8
	[2007/09/09 v1.5]	8
6	Index	9

The ifvtex package

Abstract

This package looks for VT_EX, implements and sets the switches `\ifvtex`, `\ifvtex<mode>`, `\ifvtexgex`. It works with plain or L^AT_EX formats.

1	Usage	1
2	Implemenation	2
2.1	Reload check and package identification	2
2.2	Catcodes	3
2.3	Check for previously defined <code>\ifvtex</code>	3
2.4	<code>\ifvtex</code>	4
2.5	Mode and GeX switches	4
2.6	Protocol entry	5
3	Test	5
3.1	Catcode checks for loading	5
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	History	7
[2001/09/26 v1.0]	. . . . .	7
[2006/02/20 v1.1]	. . . . .	7
[2007/01/10 v1.2]	. . . . .	8
[2007/09/09 v1.3]	. . . . .	8
6	Index	8

The infwarerr package

Abstract

This package provides a complete set of macros for informations, warnings and error messages with support for plain- \TeX .

1	Documentation	1
2	Implementation	2
2.1	Reload check and package identification	2
2.2	Catcodes	3
2.3	\LaTeX detection	3
2.4	Version for \LaTeX	4
2.5	Version for plain- \TeX	4
3	Test	7
3.1	Catcode checks for loading	7
3.2	Macro tests	8
4	Installation	11
4.1	Download	11
4.2	Bundle installation	11
4.3	Package installation	12
4.4	Refresh file name databases	12
4.5	Some details for the interested	12
5	History	13
	[2007/04/26 v1.0]	13
	[2007/06/14 v1.1]	13
	[2007/09/09 v1.2]	13
6	Index	13

The inputenx package

Abstract

This package provides input encodings using standard mappings and covers nearly all slots. Thus it serves as more uptodate replacement for package inputenc.

1 Documentation	2
1.1 Definition files	3
1.2 Unicode	4
1.3 Math	4
1.4 ToDo	4
2 Implementation	4
2.1 Identification	4
2.2 Encoding names	4
2.2.1 Record current encoding names	4
2.2.2 Aliases for encoding names	4
2.3 Package options	6
2.3.1 Declare and process options	6
2.3.2 Load inputenc with encoding options	6
2.3.3 \InputEncoding	6
2.3.4 Option math	6
2.4 Alias encoding file	7
2.5 Encoding files	8
2.5.1 Encoding ascii	8
2.5.2 Encoding iso-8859-1	8
2.5.3 Encoding iso-8859-2	10
2.5.4 Encoding iso-8859-3	12
2.5.5 Encoding iso-8859-4	14
2.5.6 Encoding iso-8859-5	17
2.5.7 Encoding iso-8859-9	18
2.5.8 Encoding iso-8859-10	21
2.5.9 Encoding iso-8859-13	23
2.5.10 Encoding iso-8859-14	25
2.5.11 Encoding iso-8859-15	27
2.5.12 Encoding iso-8859-16	29
2.5.13 Encoding cp437	31
2.5.14 Encoding cp850	35
2.5.15 Encoding cp852	38
2.5.16 Encoding cp855	41
2.5.17 Encoding cp858	43
2.5.18 Encoding cp865	46
2.5.19 Encoding cp866	50
2.5.20 Encoding cp1250	52
2.5.21 Encoding cp1251	55

2.5.22	Encoding cp1252	58
2.5.23	Encoding cp1257	61
2.5.24	Encoding dec-mcs	64
2.5.25	Encoding koi8-r	66
2.5.26	Encoding mac-centeuro	68
2.5.27	Encoding mac-cyrillic	71
2.5.28	Encoding mac-roman	74
2.5.29	Encoding nextstep	78
2.5.30	Non-Unicode additions	81
2.6	Additions for <code>utf8enc.dfu</code>	81
2.7	Name list	84
2.8	Mapping Slot, UC to Encodings	84
2.9	Mapping UC to LICR	84
2.10	Math meaning declarations	84
2.11	Documentation files	86
2.11.1	List of known LICR commands	86
2.11.2	Commented additions for <code>utf8enc.dfu</code>	87
3	Installation	88
3.1	Download	88
3.2	Bundle installation	88
3.3	Package installation	88
3.4	Refresh file name databases	89
3.5	Some details for the interested	89
4	References	90
4.1	Mappings to Unicode	90
5	History	91
[2006/03/05 v1.0]	. . . . .	91
[2007/04/11 v1.1]	. . . . .	91
[2007/06/16 v1.2]	. . . . .	91
[2007/08/16 v1.3]	. . . . .	91
6	Index	91

The intcalc package

Abstract

This package provides expandable arithmetic operations with integers.

1	Documentation	2
1.1	Introduction	2
1.2	Conditions	2
1.2.1	Preconditions	2
1.2.2	Postconditions	3
1.3	Error handling	3
1.4	Operations	3
1.4.1	Inv, Abs, Sgn	3
1.4.2	Min, Max, Cmp	4
1.4.3	Inc, Dec, Add, Sub	4
1.4.4	Shl, Shr	5
1.4.5	Mul, Sqr, Fac, Pow	5
1.4.6	Div, Mul	6
2	Implementation	6
2.1	Reload check and package identification	6
2.2	Catcodes	7
2.3	Macros independent of ϵ -TEX	8
2.3.1	Abs, Sgn	8
2.3.2	Min, Max, Cmp	8
2.3.3	Fac	9
2.4	Implementation based on ϵ -TEX	9
2.4.1	Inv, Abs, Sgn	9
2.4.2	Min, Max, Cmp	9
2.4.3	Inc, Dec	10
2.4.4	Add, Sub	10
2.4.5	Shl, Shr	10
2.4.6	Mul, Sqr, Fac	11
2.4.7	Pow	11
2.4.8	Div, Mod	12
2.5	Implementation without ϵ -TEX	14
2.5.1	Inv, Abs, Sgn	14
2.5.2	Min, Max, Cmp	15
2.5.3	Inc, Dec	15
2.5.4	Add, Sub	17
2.5.5	Shl, Shr	24
2.5.6	<code>\IntCalc@Tim</code>	26
2.5.7	Mul	29
2.5.8	Sqr, Fac	30
2.5.9	Pow	31
2.5.10	Div	32

2.5.11	Mod	36
2.5.12	Help macros	37
3	Test	37
3.1	Catcode checks for loading	37
3.2	Macro tests	38
3.2.1	Preamble with test macro definitions	38
3.2.2	Test sets	40
4	Installation	48
4.1	Download	48
4.2	Bundle installation	49
4.3	Package installation	49
4.4	Refresh file name databases	49
4.5	Some details for the interested	49
5	History	50
	[2007/09/09 v1.0]	50
6	Index	50

The kvoptions package

Abstract

This package is intended for package authors who want to use options in key value format for their package options.

1	Introduction	2
1.1	The beginning	2
1.2	Overview	2
2	Usage	3
2.1	Process options	3
2.1.1	\ProcessKeyvalOptions	3
2.1.2	\SetupKeyvalOptions	3
2.2	Option declarations	4
2.2.1	\DeclareStringOption	4
2.2.2	\DeclareBoolOption	4
2.2.3	\DeclareComplementaryOption	5
2.2.4	\DeclareVoidOption	5
2.2.5	\DeclareDefaultOption	5
2.2.6	Dynamic options	6
2.2.7	\DisableKeyvalOption	6
2.3	Summary of internal macros	7
3	Example	7
4	Package options	9
4.1	Option patch	9
4.2	Option debugshow	10
5	Limitations	11
5.1	Compatibility	11
5.1.1	Option patch vs. package xkvltxp	11
5.2	Limitations	11
5.2.1	Option comparisons	11
5.2.2	Option list parsing with option patch	11
6	Implementation	12
6.1	Preamble	12
6.2	Option declaration macros	12
6.2.1	\SetupKeyvalOptions	12
6.2.2	\DeclareBoolOption	13
6.2.3	\DeclareStringOption	15
6.2.4	\DeclareVoidOption	16
6.2.5	\DeclareDefaultOption	17
6.3	Dynamic options	17
6.3.1	\DisableKeyvalOption	17

6.4	Process options	19
6.5	\ProcessKeyvalOptions	19
6.5.1	Helper macros	21
6.6	Patch	22
7	Installation	29
7.1	Download	29
7.2	Bundle installation	29
7.3	Package installation	29
7.4	Refresh file name databases	29
7.5	Some details for the interested	30
8	References	30
9	History	31
[0000/00/00 v0.0]		31
[2004/02/22 v1.0]		31
[2006/02/16 v2.0]		31
[2006/02/20 v2.1]		31
[2006/06/01 v2.2]		31
[2006/08/17 v2.3]		31
[2006/08/22 v2.4]		31
[2007/04/11 v2.5]		31
[2007/05/06 v2.6]		31
[2007/06/11 v2.7]		31
10	Index	32

The kvsetkeys package

Abstract

Package kvsetkeys provides `\kvsetkeys`, a variant of package keyval's `\setkeys`. It allows to specify a handler that deals with unknown options. Active commas and equal signs may be used (e.g. see `babel`'s shorthands) and only one level of curly braces is removed from the values.

1	Documentation	2
1.1	Normalizing key value lists	2
1.2	Parsing key value lists	2
1.3	Processing key value pairs	3
1.4	Default family handler	3
1.5	Do it all	3
2	Example	4
3	Implementation	4
3.1	Identification	4
3.2	Normalizing key value lists	6
3.3	Parsing key value lists	8
3.4	Processing key value pairs	9
3.5	Error handling	10
3.6	Do it all	10
4	Test	10
4.1	Catcode checks for loading	10
5	Installation	11
5.1	Download	11
5.2	Bundle installation	12
5.3	Package installation	12
5.4	Refresh file name databases	12
5.5	Some details for the interested	12
6	References	13
7	History	13
	[2006/03/06 v1.0]	13
	[2006/10/19 v1.1]	13
	[2007/09/09 v1.2]	13
8	Index	13

The makerobust package

Abstract

Package makerobust provides `\MakeRobustCommand` that converts an existing macro to a robust one.

1	User interface	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
	[2006/03/18 v1.0]	4
5	Index	5

The pagesel package

Abstract

Single pages or page areas can be selected for output.

1	Usage	1
1.1	Page selecting	2
1.1.1	Options for selecting pages	2
1.1.2	Examples	2
1.2	Auxiliary files	2
1.2.1	Options for handling auxiliary files	2
1.2.2	Package <code>hyperref</code>	3
2	Implementation	3
2.1	Package	3
2.2	AtBeginDvi hook support	6
3	Installation	7
3.1	Download	7
3.2	Bundle installation	7
3.3	Package installation	8
3.4	Refresh file name databases	8
3.5	Some details for the interested	8
4	History	9
	[1999/03/01 v0.9]	9
	[1999/04/05 v1.0]	9
	[1999/04/13 v1.1]	9
	[2003/06/05 v1.2]	9
	[2006/02/20 v1.3]	9
	[2006/03/02 v1.4]	9
	[2006/03/07 v1.5]	9
	[2007/04/11 v1.6]	9
	[2007/04/12 v1.7]	9
5	Index	10

The pdfcol package

Abstract

Since version 1.40 pdfT_EX supports color stacks. The driver file pdf_{tex}.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	1
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	4
2.3.1	Check PDF mode	4
2.3.2	Check version of pdfT _E X	4
2.3.3	Check pdf _{tex} .def	5
2.4	Enabled interface macros	5
2.5	Disabled interface macros	7
3	Test	7
3.1	Catcode checks for loading	7
3.2	Very simple test	8
4	Installation	9
4.1	Download	9
4.2	Bundle installation	9
4.3	Package installation	9
4.4	Refresh file name databases	10
4.5	Some details for the interested	10
5	History	10
	[2007/09/09 v1.0]	10
6	Index	11

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 pdfcol	3
3.3	Color stack for footnotes	3
3.4	Patch <code>\@makefntext</code>	3
3.5	Patch <code>\@makecol</code>	3
4	Test	5
5	Installation	6
5.1	Download	6
5.2	Bundle installation	6
5.3	Package installation	6
5.4	Refresh file name databases	7
5.5	Some details for the interested	7
6	References	7
7	History	7
	[2007/01/08 v1.0]	7
	[2007/09/09 v1.1]	8
8	Index	8

The pdfcolmk package

Abstract

This package tries a solution for the missing color stack of pdfTeX.

1	Documentation	2
1.1	Introduction	2
1.2	Background	2
1.3	Limitations	2
1.4	Recommendation	2
1.5	Usage	2
1.6	Compatibility	2
2	Implementation	3
2.1	\marginpar fix	4
2.1.1	latex/base/latex.ltx	4
2.1.2	memoir.cls	5
2.1.3	poemscol/marn.sty, poemscol/newmarn.sty	6
2.1.4	refman/refart.cls, refnam/refrep.cls	7
2.2	Color fix	9
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	History	12
	[2000/08/27 v0.1]	12
	[2000/09/02 v0.2]	12
	[2000/09/02 v0.3]	12
	[2000/09/06 v0.4]	12
	[2000/09/06 v0.5]	12
	[2005/06/15 v0.6]	12
	[2005/07/09 v0.7]	12
	[2006/02/20 v0.8]	12
	[2007/01/01 v1.0]	12
	[2007/04/11 v1.1]	12
5	Index	12

The pdfcolparallel package

Abstract

Since version 1.40 pdfTeX supports several color stacks. This package uses them to fix color problems in package `parallel`.

1	Usage	1
1.1	Future	1
2	Implementation	2
2.1	Identification	2
2.2	Load packages	2
2.2.1	Package <code>parallel</code>	2
2.2.2	Package <code>pdfcol</code>	2
2.2.3	Package <code>infwarerr</code>	2
2.3	Color stack macros	2
2.4	Redefinitions	2
3	Test	8
4	Installation	9
4.1	Download	9
4.2	Bundle installation	9
4.3	Package installation	9
4.4	Refresh file name databases	10
4.5	Some details for the interested	10
5	References	10
6	History	11
	[2007/09/09 v1.0]	11
7	Index	11

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	1
1.1	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	2
2.2.3	Package infwarerr	2
2.3	Color stack macros	2
2.4	Patches	3
2.4.1	Init stacks	3
2.4.2	Switch stack	3
2.4.3	Set current stack color	3
3	Test	5
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
[2007/07/26 v1.0]	. . . . .	7
[2007/09/09 v1.1]	. . . . .	7
7	Index	7

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	\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	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	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	13
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]	14
	[2001/10/28 v0.7]	14
	[2006/02/20 v0.8]	14
	[2007/04/11 v0.9]	14
	[2007/04/26 v1.0]	14
5	Index	14

The pdfescape package

Abstract

This package implements pdfTeX's escape features (`\pdfescapehex`, `\pdfunescapehex`, `\pdfescapechar`, `\pdfescapestring`) using TeX or ϵ -TeX.

1	Documentation	2
1.1	Additional unescape macros	2
1.2	Sanitizing macro	2
2	Implementation	3
2.1	Reload check and package identification	3
2.2	Catcodes	4
2.3	Sanitizing	4
2.3.1	Space characters	5
2.3.2	Space normalization	5
2.4	<code>\EdefUnescapeName</code>	5
2.5	<code>\EdefUnescapeString</code>	7
2.6	User macros (pdfTeXanalogues)	10
2.7	Help macros	11
2.7.1	Characters	11
2.7.2	Switch for ϵ -TeX	11
2.8	Conversions	11
2.8.1	Conversion to hex string	11
2.8.2	Character code to octal number	12
2.8.3	Unpack hex string	13
2.8.4	Conversion to PDF name	14
2.8.5	Conversion to PDF string	15
3	Test	15
3.1	Catcode checks for loading	15
3.2	Macro tests	16
3.3	Test with <code>\pdfescape...</code> commands	16
3.4	Test without <code>\pdfescape...</code> , with ϵ -TeX	16
3.5	Test without <code>\pdfescape...</code> and ϵ -TeX	16
3.6	Check/ensure test preconditions	17
3.6.1	Check <code>\pdfescape...</code>	17
3.6.2	Check ϵ -TeX	17
3.7	Common part	17
4	Installation	23
4.1	Download	23
4.2	Bundle installation	23
4.3	Package installation	24
4.4	Refresh file name databases	24
4.5	Some details for the interested	24

5 History	25
[2007/02/21 v1.0]	25
[2007/02/25 v1.1]	25
[2007/03/20 v1.2]	25
[2007/04/11 v1.3]	25
[2007/04/21 v1.4]	25
[2007/08/27 v1.5]	25
[2007/09/09 v1.6]	25
6 Index	25

The pdfscape package

Abstract

Package pdfscape adds PDF support to the environment landscape of package lscape by setting the PDF page attribute /Rotate.

1 Documentation	2
1.1 Supported drivers	2
1.2 Caveat	2
1.3 Requirements	2
1.4 Usage	2
2 Implementation	2
2.1 Package identification	2
2.2 Driver options	2
2.3 Autodetection of driver	3
2.3.1 Driver pdftex	3
2.3.2 Driver dvips	3
2.3.3 Driver dvipdfm	4
2.4 Driver implementation	4
2.4.1 pdfTEX	4
2.4.2 PostScript driver	5
2.4.3 Driver dvipdfm	5
2.5 Driver independent stuff	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
[2001/01/15 v0.1]	8
[2001/02/04 v0.2]	8
[2004/05/11 v0.3]	8
[2004/05/12 v0.4]	8
[2006/02/20 v0.5]	8
[2006/04/24 v0.6]	8
[2007/04/11 v0.7]	9
[2007/04/17 v0.8]	9
5 Index	9

The picture package

Abstract

There are macro and environment arguments that expect numbers that will internally be multiplied with `\unitlength`. This package extends the syntax of these arguments that `dimens` with calculation support can be added for these arguments.

1	User interface	1
1.1	Introduction	1
1.2	Options	2
1.3	Example	2
1.4	Supported packages	2
2	Implementation	2
2.1	Identification	2
2.2	Options	2
2.3	Calculation method	3
2.3.1	Method <code>calc</code>	3
2.3.2	Method <code>etex</code>	4
2.3.3	Method <code>plain</code>	4
2.3.4	Help macros	4
2.4	Redefinitions	5
2.4.1	\LaTeX base macros	5
2.4.2	Package <code>pspicture</code>	6
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
	[2006/08/26 v1.0]	7
	[2007/04/11 v1.1]	7
5	Index	8

The pmboxdraw package

Abstract

Package pmboxdraw declares box drawings characters of old code pages, e.g. cp437. It uses rules instead of using a font.

1	User interface	1
1.1	Introduction	2
1.2	Setup	2
1.3	Symbol list	2
2	Implementation	5
2.1	Identification	5
2.2	Dummy font encoding	5
2.3	Setup	5
2.4	Block elements	5
2.4.1	U+2580	6
2.4.2	U+2584	6
2.4.3	U+2588	6
2.4.4	U+258C	6
2.4.5	U+2590	6
2.4.6	U+2591	6
2.4.7	U+2592	7
2.4.8	U+2593	7
2.4.9	Color warning	7
2.5	Box drawing, light single lines	7
2.5.1	U+2500	8
2.5.2	U+2502	8
2.5.3	U+250C	8
2.5.4	U+2510	8
2.5.5	U+2514	9
2.5.6	U+2518	9
2.5.7	U+251C	9
2.5.8	U+2524	10
2.5.9	U+252C	10
2.5.10	U+2534	10
2.5.11	U+253C	11
2.6	Box drawing, double lines	11
2.6.1	U+2550	11
2.6.2	U+2551	12
2.6.3	U+2552	12
2.6.4	U+2553	12
2.6.5	U+2554	13
2.6.6	U+2555	14
2.6.7	U+2556	14
2.6.8	U+2557	14

2.6.9	U+2558	15
2.6.10	U+2559	15
2.6.11	U+255A	16
2.6.12	U+255B	17
2.6.13	U+255C	17
2.6.14	U+255D	17
2.6.15	U+255E	18
2.6.16	U+255F	19
2.6.17	U+2560	19
2.6.18	U+2561	20
2.6.19	U+2562	20
2.6.20	U+2563	21
2.6.21	U+2564	21
2.6.22	U+2565	22
2.6.23	U+2566	22
2.6.24	U+2567	23
2.6.25	U+2568	23
2.6.26	U+2569	23
2.6.27	U+256A	24
2.6.28	U+256B	24
2.6.29	U+256C	25
2.7	Unicode support file	25
3	Installation	26
3.1	Download	26
3.2	Bundle installation	27
3.3	Package installation	27
3.4	Refresh file name databases	27
3.5	Some details for the interested	27
4	References	28
5	History	28
	[2006/03/14 v1.0]	28
6	Index	28

The refcount package

Abstract

References are not numbers, however they often store numerical data such as section or page numbers. `\ref` or `\pageref` cannot be used for counter assignments or calculations because they are not expandable, generate warnings, or can even be links. The package provides expandable macros to extract the data from references. Packages `hyperref`, `nameref`, `titleref`, and `babel` are supported.

1	Usage	1
1.1	Setting counters	1
1.2	Expandable commands	2
1.3	Undefined references	2
1.4	Notes	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	History	6
[1998/04/08 v1.0]	. . . . .	6
[2000/09/07 v2.0]	. . . . .	7
[2006/02/20 v3.0]	. . . . .	7
5	Index	7

The selinput package

Abstract

This package selects the input encoding by specifying between input characters and their glyph names.

1	Documentation	1
1.1	Introduction	1
1.2	User interface	2
1.3	Options	3
1.4	Encodings	3
2	Implementation	3
3	Test	7
4	Installation	9
4.1	Download	9
4.2	Bundle installation	9
4.3	Package installation	10
4.4	Refresh file name databases	10
4.5	Some details for the interested	10
5	References	11
6	History	11
	[2007/06/16 v1.0]	11
	[2007/06/20 v1.1]	11
	[2007/09/09 v1.2]	11
7	Index	11

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	5
2.4	Environment support	7
2.5	Option <code>hyperref</code>	8
3	Test	8
3.1	Catcode checks for loading	8
3.2	Test with package <code>url</code>	9
4	Installation	10
4.1	Download	10
4.2	Bundle installation	10
4.3	Package installation	10
4.4	Refresh file name databases	11
4.5	Some details for the interested	11
5	References	11
6	History	11
	[2005/10/05 v1.0]	11
	[2005/10/07 v1.1]	12
	[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
7	Index	12

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	7
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]	. . . . .	8
5	Index	8

The soulutf8 package

Abstract

This package extends package `soul` and adds some support for UTF-8. Namely the input encodings `utf8.def` from package `inputenc` and package `ucs`'s `utf8x.def` are supported.

1	Documentation	2
1.1	Patch	2
1.2	Future	2
2	Implementation	2
2.1	Reload check and package identification	2
2.2	Catcodes	3
2.3	Loading packages	4
2.3.1	plain- \TeX	4
2.3.2	\LaTeX	5
2.3.3	$\varepsilon\text{-TeX}$	5
2.4	Macro for redefinitions	5
2.5	Redefinition of <code>\SOUL@eval</code>	6
2.6	UTF-8 analysis	9
2.6.1	Help strings	9
2.6.2	Support for <code>utf8.def</code>	9
2.6.3	Support for <code>utf8x.def</code>	9
2.7	Actions for UTF-8 sequences	10
2.7.1	Redefinition of <code>\SOUL@splittoken</code>	11
2.8	Patches	11
3	Test	14
3.1	Catcode checks for loading	14
3.2	\LaTeX tests	15
3.2.1	Driver definitions	16
3.2.2	Test macros	17
3.2.3	Testing	20
4	Installation	21
4.1	Download	21
4.2	Bundle installation	21
4.3	Package installation	22
4.4	Refresh file name databases	22
4.5	Some details for the interested	22
5	References	23
6	History	23
	[2007/09/09 v1.0]	23
7	Index	23

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
5	Index	4

The stringenc package

Abstract

This package provides `\StringEncodingConvert` for converting a string between different encodings. Both \LaTeX and plain- \TeX are supported.

1	Documentation	2
1.1	User interface	2
1.2	Supported encodings	2
2	Implementation	3
2.1	Reload check and package identification	3
2.2	Catcodes	4
2.3	Tools	5
2.4	Encoding aliases	15
2.5	Encoding files	17
2.5.1	UTF-32BE, UTF-32LE	17
2.5.2	UTF-8	19
2.5.3	UTF-16LE	24
2.5.4	PDFDocEncoding	25
2.5.5	ISO-8859-1	26
2.5.6	CP1252	27
2.5.7	US-ASCII	29
2.5.8	Other encodings (8 bit)	29
3	Test	71
3.1	Catcode checks for loading	71
3.2	Conversion tests	73
3.2.1	UTF8/16/32 encodings	74
3.2.2	ASCII	76
3.2.3	PDFDocEncoding	76
3.2.4	ISO-8859-1	77
3.2.5	CP1252	77
3.2.6	KOI8-R	77
3.2.7	DEC-MCS	78
3.3	Removal of byte order marks	78
4	Installation	78
4.1	Download	78
4.2	Bundle installation	78
4.3	Package installation	79
4.4	Refresh file name databases	80
4.5	Some details for the interested	80
5	History	81
	[2007/06/14 v1.0]	81
	[2007/06/16 v1.1]	81
	[2007/08/27 v1.2]	81

The tabularht package

Abstract

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

1	Usage	1
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	15
	[2005/09/22 v1.0]	15
	[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
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	4
4	History	4
[2005/09/22 v1.0]	. . . . .	4
[2006/02/20 v1.1]	. . . . .	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	Test	7
3.1	Catcode checks for loading	7
4	Installation	7
4.1	Download	7
4.2	Bundle installation	8
4.3	Package installation	8
4.4	Refresh file name databases	8
4.5	Some details for the interested	8
5	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]	10
	[2006/08/26 v1.7]	10
	[2007/04/11 v1.8]	10
	[2007/09/09 v1.9]	10
6	Index	10

The transparent package

Abstract

Since version 1.40 pdfTeX supports several color stacks. This package shows, how a separate color stack can be used for transparency, a property besides color.

1	User interface	1
2	Implementation	2
2.1	Identification	2
2.2	Initial checks	2
2.2.1	Check for pdfTeX in PDF mode	2
2.2.2	Check pdfTeX version	2
2.3	Transparency	2
3	Installation	4
3.1	Download	4
3.2	Bundle installation	4
3.3	Package installation	5
3.4	Refresh file name databases	5
3.5	Some details for the interested	5
4	History	5
	[2007/01/08 v1.0]	5
5	Index	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	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
5	Index	5

The zref package

Abstract

Package `zref` tries to get rid of the restriction in \LaTeX 's reference system that only two properties are supported. The package implements an extensible referencing system, where properties are handled in a more flexible way. It offers an interface for macro programmers for the access to the system and some applications that uses the new reference scheme.

1	Introduction	3
1.1	Standard \LaTeX behaviour	3
1.2	Basic idea	3
1.3	Interfaces	4
2	Interface for programmers	4
2.1	Entities	4
2.2	Property list	4
2.3	Property	5
2.4	Reference generation	5
2.5	Data extraction	6
2.6	Setup	7
2.7	Declared properties	7
2.8	Wrapper for advanced situations	7
2.9	Counter for unique names	8
3	User interface	8
3.1	Module <code>user</code>	8
3.2	Module <code>abspage</code>	9
3.3	Module <code>lastpage</code>	9
3.4	Module <code>totpages</code>	9
3.5	Module <code>perpage</code>	9
3.6	Module <code>counter</code>	10
3.7	Module <code>titleref</code>	10
3.8	Module <code>savepos</code>	11
3.9	Module <code>dotfill</code>	11
3.10	Module <code>xr</code>	12
4	ToDo	12
5	Example	12
6	Implementation	15
6.1	Package <code>zref</code>	15
6.1.1	Identification	15
6.1.2	Load basic module	15
6.1.3	Process options	15
6.2	Module <code>base</code>	15

6.2.1	Prefixes	15
6.2.2	Identification	16
6.2.3	Utilities	16
6.2.4	Check for ε -TeX	16
6.2.5	Auxiliary file stuff	17
6.2.6	Property lists	17
6.2.7	Properties	19
6.2.8	Reference generation	20
6.2.9	Reference querying and extracting	21
6.2.10	Compatibility with <code>babel</code>	23
6.2.11	Unique counter support	23
6.2.12	Setup	24
6.3	Module <code>user</code>	24
6.4	Module <code>abspage</code>	25
6.5	Module <code>counter</code>	26
6.6	Module <code>lastpage</code>	26
6.7	Module <code>totpages</code>	26
6.8	Module <code>perpage</code>	27
6.9	Module <code>titleref</code>	29
6.9.1	Implementation	29
6.9.2	User interface	30
6.9.3	Patches for section and caption commands	31
6.10	Module <code>xr</code>	33
6.11	Module <code>hyperref</code>	37
6.12	Module <code>savepos</code>	37
6.12.1	Identification	37
6.12.2	Availability	38
6.12.3	Setup	38
6.12.4	User macros	38
6.13	Module <code>dotfill</code>	39
7	Installation	40
7.1	Download	40
7.2	Bundle installation	40
7.3	Package installation	40
7.4	Refresh file name databases	41
7.5	Some details for the interested	41
8	References	42
9	History	42
[2006/02/20 v1.0]		42
[2006/05/03 v1.1]		42
[2006/05/25 v1.2]		42
[2006/09/08 v1.3]		42
[2007/01/23 v1.4]		42

[2007/02/18 v1.5]	42
[2007/04/06 v1.6]	43
[2007/04/17 v1.7]	43
[2007/04/22 v1.8]	43
[2007/05/02 v1.9]	43
[2007/05/06 v2.0]	43
[2007/05/28 v2.1]	43
10 Index	43