

CTAN:macros/latex/contrib/oberdiek/

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2010/04/03

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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.

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The alphaph package

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The atbegshi package

Abstract

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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`.

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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.

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The atveryend package

Abstract

This L^AT_EX package provides two hooks for `\end{document}` that are executed after the hook of `\AtEndDocument`. `\AfterLastShipout` can be used for code that is to be executed right after the last `\clearpage` before the `.aux` file is closed. `\AtVeryEndDocument` is used for code after closing and final reading of the `.aux` file.

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The auxhook package

Abstract

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

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The bigintcalc package

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The bitset package

Abstract

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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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[2008/08/11 v1.5]	58
[2009/09/04 v1.6]	58
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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.

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[2009/12/17 v1.8]	38
[2010/03/30 v1.9]	38
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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>	4
2.5	Input file check	4
2.6	Catch file contents	5
3	Test	6
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3.2	L ^A T _E X	7
3.3	plain-T _E X	8
4	Installation	8
4.1	Download	8
4.2	Bundle installation	9
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4.5	Some details for the interested	9
5	History	10
	[2007/05/30 v1.0]	10
	[2007/09/09 v1.1]	10
	[2007/11/11 v1.2]	10
	[2010/03/01 v1.3]	10
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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.

1	User interface	1
2	Implementation	2
3	Installation	2
3.1	Download	2
3.2	Bundle installation	3
3.3	Package installation	3
3.4	Refresh file name databases	3
3.5	Some details for the interested	3
4	History	4
[2006/12/02 v1.0]	. . . . .	4
[2007/05/31 v1.1]	. . . . .	4
[2010/03/29 v1.2]	. . . . .	4
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
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	[2001/06/22 v1.1]	4
	[2006/02/20 v1.2]	4
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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	5
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]	6
	[2006/02/20 v1.2]	6
	[2008/08/11 v1.3]	6
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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.

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
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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”.

1	Documentation	1
1.1	Introduction	1
1.2	Usage	2
1.2.1	With ε -TEX	2
1.2.2	Without ε -TEX	2
2	Implementation	2
3	Installation	3
3.1	Download	3
3.2	Bundle installation	3
3.3	Package installation	3
3.4	Refresh file name databases	4
3.5	Some details for the interested	4
4	History	4
[2000/08/31 v1.0]	. . . . .	4
[2006/02/20 v1.1]	. . . . .	4
[2008/08/11 v1.2]	. . . . .	4
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	Collection support (PDF 1.7)	4
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1.4.1	Example	5
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1.5.2	Collection example	6
1.6	Package dtx-attach	7
2	Implementation	8
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4.2	Bundle installation	24
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5	References	25
6	History	26
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[2007/09/09 v1.2]	26
[2007/10/28 v2.0]	26
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[2007/11/25 v2.3]	26
[2009/09/25 v2.4]	26
[2010/03/01 v2.5]	27
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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.

1	Usage	2
1.1	Package options	2
1.2	Examples	2
2	Implementation	3
2.1	Reload check and identification	3
2.2	Help commands for plain compatibility	4
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2.4	Suffix generation	6
3	Test	7
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4	Installation	9
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4.5	Some details for the interested	10
5	History	10
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	[2003/04/28 v1.1]	10
	[2006/02/20 v1.2]	10
	[2007/04/11 v1.3]	10
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	[2007/09/09 v1.5]	11
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	[2008/08/11 v1.7]	11
	[2010/03/01 v1.8]	11
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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.

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1.1	Introduction	2
1.2	Requirements	2
1.3	Usage	3
1.4	Options	3
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1.5.2	User configuration file <code>epstopdf.cfg</code>	5
1.5.3	Conversion program	5
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[2009/03/01 v1.8]	19
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[2009/10/17 v2.4]	20
[2010/02/09 v2.5]	20
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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	2
1.1	<code>\unexpanded</code>	2
1.2	<code>\expanded</code>	2
2	Implementation	2
2.1	Reload check and package identification	2
2.2	Catcodes	3
2.3	Provide <code>\newif</code>	4
2.4	Load package <code>infwarerr</code>	4
2.5	<code>\unexpanded</code>	4
2.6	<code>\expanded</code>	5
3	Test	5
3.1	Catcode checks for loading	5
3.2	Macro tests	7
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4.4	Refresh file name databases	9
4.5	Some details for the interested	9
5	History	9
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	[2007/09/09 v1.1]	9
	[2007/12/12 v1.2]	9
	[2010/01/28 v1.3]	9
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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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1.1	User interface	2
1.2	Requirements	2
1.3	ToDo	2
2	Implementation	2
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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
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[2007/03/07 v0.2]	7
[2007/03/31 v0.3]	7
[2007/09/30 v0.4]	7
5	Index	7

The `getttitlestring` package

Abstract

The `LaTeX` package addresses packages that are dealing with references to titles (`\section`, `\caption`, ...). The package tries to remove `\label` and other commands from title strings.

1	Documentation	1
1.1	Macros	1
1.2	Options	2
2	Implementation	2
2.1	Options	4
2.2	<code>\GetTitleString</code>	4
2.2.1	Expand method	5
2.2.2	Non-expand method	5
3	Test	7
3.1	Catcode checks for loading	7
3.2	Test of non-expand method	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
	[2009/12/08 v1.0]	11
	[2009/12/12 v1.1]	11
	[2009/12/13 v1.2]	11
	[2009/12/18 v1.3]	11
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The grfext package

Abstract

This package provides macros for adding and reordering graphics extensions of package `graphics`.

1	Documentation	2
1.1	Introduction	2
1.2	User interface	2
1.3	Package loading	2
1.4	plain- <code>T_EX</code>	2
2	Implementation	3
2.1	Relead check and identification	3
2.2	Catcodes	4
2.3	plain- <code>T_EX</code>	4
2.4	Add	4
2.5	Check	5
2.6	Remove	6
2.7	Print	6
3	Test	7
3.1	Catcode checks for loading	7
3.2	Macro tests	8
3.2.1	Preamble	8
3.2.2	Detection of unwanted space	8
3.2.3	Generic test macros	8
3.2.4	Test for <code>\AppendGraphicsExtensions</code>	9
3.2.5	Test for <code>\PrependGraphicsExtensions</code>	9
3.2.6	Test for <code>\RemoveGraphicsExtensions</code>	10
4	Installation	11
4.1	Download	11
4.2	Bundle installation	11
4.3	Package installation	11
4.4	Refresh file name databases	11
4.5	Some details for the interested	12
5	References	12
6	History	12
	[2007/09/30 v1.0]	12
7	Index	12

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_{TEX} 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>	3
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	5
3 Test	9
3.1 Multidot with default rule	9
4 Installation	10
4.1 Download	10
4.2 Bundle installation	10
4.3 Package installation	11
4.4 Refresh file name databases	11
4.5 Some details for the interested	11
5 References	12
6 History	12
[2004/07/18 v0.5]	12
[2006/08/15 v1.0]	12
[2006/08/17 v1.1]	12
[2006/11/30 v1.2]	12
[2007/04/11 v1.3]	12
[2007/06/13 v1.4]	12
[2007/08/16 v1.5]	12
[2007/11/11 v1.6]	12
[2007/11/24 v1.7]	12
[2008/08/11 v1.8]	13
[2008/10/13 v1.9]	13

[2009/09/25 v1.10]	13
[2010/01/28 v1.11]	13
7 Index	13

The holtxdoc package

Abstract

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

1	No usage	2
2	Implementation	2
2.1	Help macros	2
2.2	History	2
2.3	Formatting macros	3
2.4	Names	4
2.5	Setup	6
2.5.1	Package doc	6
2.5.2	Page layout	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
[1999/06/26 v0.3]	. . . . .	7
[2000/08/14 v0.4]	. . . . .	7
[2001/08/27 v0.5]	. . . . .	8
[2001/09/02 v0.6]	. . . . .	8
[2006/06/02 v0.7]	. . . . .	8
[2007/10/21 v0.8]	. . . . .	8
[2007/11/11 v0.9]	. . . . .	8
[2007/12/12 v0.10]	. . . . .	8
[2008/08/11 v0.11]	. . . . .	8
[2009/08/07 v0.12]	. . . . .	8
[2009/12/02 v0.13]	. . . . .	8
[2010/02/03 v0.14]	. . . . .	8
[2010/03/10 v0.15]	. . . . .	8
5	Index	8

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	2
1.1	Summary	2
2	Implementation	3
2.1	Normalization	3
2.1.1	Sanitize value of color option	3
2.1.2	Normalize result	4
2.2	Main algorithm for color options	5
2.3	Package bookmark	5
2.4	Utils	7
2.5	Package hyperref	8
2.5.1	Options Hyp.*color	8
2.5.2	Generic algorithm	10
2.5.3	Field options	12
2.5.4	Detection for naked RGB values	12
2.5.5	Options *bordercolor	14
2.6	Package attachfile2	15
2.7	Patch for package xcolor	17
2.7.1	Fix fragile \@frameb@x	20
3	Test	20
3.1	Test for package attachfile2	25
3.2	Test for package xcolor	27
3.2.1	Test for \@frameb@x/\fbox	28
4	Installation	28
4.1	Download	28
4.2	Bundle installation	28
4.3	Package installation	28
4.4	Refresh file name databases	29
4.5	Some details for the interested	29
5	History	29
	[2007/04/09 v1.0]	29
	[2007/04/11 v1.1]	30
	[2008/07/29 v1.2]	30
	[2008/08/01 v1.3]	30
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	[2009/10/02 v1.5]	30
	[2009/12/12 v1.6]	30
6	Index	30

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
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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

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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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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

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The ifluatex package

Abstract

This package looks for L^AT_EX regardless of its mode and provides the switch `\ifluatex`. Also it makes `\luatexversion` available if it is not present. It works with plain-T_EX or L^AT_EX.

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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.

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The `ifvtex` package

Abstract

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

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The infwarerr package

Abstract

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

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The inputenx package

Abstract

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The intcalc package

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This package provides expandable arithmetic operations with integers.

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The kvdefinekeys package

Abstract

Package kvdefinekeys provides `\kv@define@key` to define keys the same way as keyval's `\define@key`. However, it works also using ini-TeX.

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The kvoptions package

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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.

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The letltxmacro package

Abstract

T_EX's `\let` assignment does not work for L^AT_EX macros with optional arguments or for macros that are defined as robust macros by `\DeclareRobustCommand`. This package defines `\LetLtxMacro` that also takes care of the involved internal macros.

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The listingsutf8 package

Abstract

Package listings does not support files with multi-byte encodings such as UTF-8. In case of `\lstinputlisting` a simple workaround is possible if an one-byte encoding exists that the file can be converted to. Also ε -TeX and pdfTeX regardless of its mode are required.

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The ltxcmds package

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The package `ltxcmds` exports some utility macros from the \LaTeX kernel into a separate namespace and also provides them for other formats such as `plain-TeX`.

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The luacolor package

Abstract

Package luacolor implements color support based on L^AT_EX's node attributes.

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The luatex package

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The magicnum package

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The makerobust package

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The pdfcol package

Abstract

Since version 1.40 pdfTeX supports color stacks. The driver file `pdftex.def` for package `color` defines and uses a main color stack since version v0.04b. Package `pdfcol` is intended for package writers. It defines macros for setting and maintaining new color stacks.

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The pdfcolfoot package

Abstract

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The pdfcolmk package

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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.

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The pdfcolparcolumns package

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The pdfcrypt package

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The pdfescape package

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The pdfscape package

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The pdfrender package

Abstract

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The pdftexcmds package

Abstract

LUA_T_EX provides most of the commands of pdf_T_EX 1.40. However a number of utility functions are removed. This package tries to fill the gap and implements some of the missing primitive using Lua.

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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.

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1.3	Example	2
1.4	Supported packages	2
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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.

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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.

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1.2	Expandable commands	2
1.3	Undefined references	2
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The rerunfilecheck package

Abstract

The package provides additional rerun warnings if some auxiliary files have changed. It is based on MD5 checksum, provided by pdfTeX.

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1.2	Interface for class/package authors	2
2	Implementation	3
2.1	Options	3
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	[2010/01/25 v1.3]	12
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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.

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1.2	Options for packages <code>amsmath</code> or <code>graphics</code>	2
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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 `idxotoc` is supported. Index preambles can be given either by means of package `index` or via the interface provided by KOMA-Script.

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1.2.2	Classes <code>scrreprt</code> and <code>scrbook</code>	2
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4	History	7
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The selinput package

Abstract

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

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1.4	Encodings	3
2	Implementation	3
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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.

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1.1	Introduction	2
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	[2006/02/12 v1.3]	13
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	[2007/04/26 v1.5]	13
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The settobox package

Abstract

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

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1.2	Set box dimensions	2
1.3	Move box	2
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1.4.2	Test file that shows box manipulations	2
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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.

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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.

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3.3	Package installation	3
3.4	Refresh file name databases	3
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[2006/12/02 v1.0]	4
[2007/05/06 v1.1]	4
[2007/11/11 v1.2]	4
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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
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	[2008/07/14 v1.0]	6
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The stringenc package

Abstract

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

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The tabularht package

Abstract

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

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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.

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1.1	Example	2
2	Implementation	2
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The telprint package

Abstract

Package `telprint` provides `\telprint` for formatting German phone numbers.

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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.

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The twoopt package

Abstract

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

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The uniquecounter package

Abstract

This package provides a kind of counter that provides unique number values. Several counter can be created by different names. The numeric values are not limited.

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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.

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