

CTAN:macros/latex/contrib/oberdiek/

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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 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

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The bigintcalc package

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The bitset package

Abstract

This package defines and implements the data type bit set, a vector of bits. The size of the vector may grow dynamically. Individual bits can be manipulated.

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The **bmpsize** package

Abstract

Package **bmpsize** analyzes bitmap images to extract size and resolution data. It adds this feature to the graphics package that now do not need separate bounding box files for bitmap images. Additionally the implementation for the inclusion of bitmap images in some drivers of package **graphicx** are rewritten to support options **viewport**, **trim** and **clip**.

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The 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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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.

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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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3.1	Download	2
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The chemarr package

Abstract

Very often chemists need a longer version of reaction arrows (`\rightleftharpoons`) with the possibility to put text above and below. Analogous to `amsmath`'s `\xrightarrow` and `\xleftarrow` this package provides the macro `\xrightleftharpoons`.

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1.1	Example	1
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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1.2	Usage	1
2	Implementation	2
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	[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.

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The dvipscol package

Abstract

Color support for dvips in dvips.def involves the color stack of dvips. The package tries to remove unnecessary uses of the stack to avoid the error “out of color stack space”.

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1.1	Introduction	1
1.2	Usage	2
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1.2.2	Without ε -TEX	2
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3.2	Bundle installation	3
3.3	Package installation	3
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The embedfile package

Abstract

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

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The engord package

Abstract

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

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The eolgrab package

Abstract

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

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1.1.2	L ^A T _E X document with environments	4
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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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[2009/07/07 v1.10]	20
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[2009/10/17 v2.4]	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`.

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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
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2.6	<code>\expanded</code>	5
3	Test	6
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4.3	Package installation	10
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	[2007/12/12 v1.2]	11
	[2010/01/28 v1.3]	11
	[2011/01/30 v1.4]	11
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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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1.2	Requirements	2
1.3	ToDo	2
2	Implementation	2
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The gettitlestring package

Abstract

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

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1.1	Macros	2
1.2	Options	2
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The grfext package

Abstract

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

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1.2	User interface	2
1.3	Package loading	2
1.4	Option support for package <code>graphicx</code>	2
1.5	plain <code>T_EX</code>	3
2	Implementation	3
2.1	Relead check and identification	3
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2.3	plain <code>T_EX</code>	5
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4.4	Refresh file name databases	13
4.5	Some details for the interested	13
5	References	13
6	History	14
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	[2010/08/19 v1.1]	14
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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>	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
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2.3	Options	5
2.4	Fix <code>\Gin@ii</code> of package <code>graphicx</code>	11
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The hobsub package

Abstract

Package hobsub implements the idea of loading several packages in one big collection package.

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The hologo package

Abstract

This package starts a collection of logos with support for bookmarks strings.

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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 hopatch package

Abstract

This packages provides a wrapper to various package hooks provided by other packages or classes, but does not define own hooks.

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2	Implementation	3
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2.2	Resources	3
2.3	Package patching	4
3	Test	5
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4.5	Some details for the interested	9
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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.

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	[2008/07/29 v1.2]	29
	[2008/08/01 v1.3]	29
	[2008/09/08 v1.4]	30
	[2009/10/02 v1.5]	30
	[2009/12/12 v1.6]	30
	[2011/01/30 v1.7]	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.

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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
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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
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	[2006/02/20 v2.2]	9
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	[2007/04/11 v2.4]	9
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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.

1	Usage	2
1.1	Package options	2
1.2	User commands	2
1.3	Limitations	3
2	Implementation	3
3	Installation	5
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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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1.2	Requirements	2
1.3	Use	2
1.4	Limitations	2
1.5	Future	3
2	Implementation	3
2.1	Identification	3
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2.2.2	Options <code>num</code> and <code>name</code>	3
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2.4	Preamble for auxiliary file	4
2.5	Generation of destination names	4
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3.4	Refresh file name databases	9
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	[2008/08/08 v2.2]	11
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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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2	Usage	3
2.1	Options	3
2.2	Simple example	3
2.3	Example <code>source2e.tex</code>	4
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3.2	Package loading	4
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3.3	Bookmarks	5
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3.6	<code>\listoftables</code>	7
3.7	<code>\thebibliography</code>	7
3.8	<code>\theindex</code>	7
3.9	<code>\theglossary</code>	8
3.10	Index	9
3.11	<code>\PrintDescribeMacro</code>	11
3.12	<code>\PrintMacroName</code>	11
3.13	<code>\theCodelineNo</code>	12
3.14	<code>\SpecialUsageIndex</code>	12
3.15	<code>\autoindex</code>	12
3.16	<code>\SpecialEnvIndex</code>	13
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The hypgotoe package

Abstract

Experimental package for links to embedded files.

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2	Implementation	3
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2.4	Extend \href	3
2.5	Implement gotoe action	4
2.6	Keys for gotoe action	5
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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	References	7
5	History	7
	[2007/10/30 v0.1]	7
6	Index	7

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.

1	Documentation	1
1.1	In short	1
1.2	Longer version	2
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1.4	plain T _E X	3
2	Implementation	3
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2.2	Package	5
3	Test	6
3.1	Catcode checks for loading	6
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4.3	Package installation	9
4.4	Refresh file name databases	9
4.5	Some details for the interested	10
5	History	10
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	[2008/06/09 v0.2]	10
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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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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
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	[2005/10/05 v1.1]	5
	[2006/02/20 v1.2]	5
	[2008/08/11 v1.3]	5
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The iflang package

Abstract

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

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2	Implementation	2
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2.2	Tools	4
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2.2.2	Expandible existence check for macros	5
2.2.3	Macros for messages	5
2.2.4	Support for <code>etex.src</code>	5
2.3	<code>\IfLanguagePatterns</code>	6
2.4	<code>\IfLanguageName</code>	6
2.5	Check plausibility of <code>\language</code>	8
3	Test	8
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3.4	Test with plain T _E X and without ε -T _E X/pdfT _E X	11
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	[2007/09/09 v1.4]	15
	[2007/11/11 v1.5]	15
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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.

1	Documentation	1
2	Implementation	2
2.1	Reload check and package identification	2
2.2	Catcodes	3
2.3	Macro for error messages	4
2.4	Check for previously defined <code>\ifluatex</code>	4
2.5	<code>\ifluatex</code>	4
2.6	LuaT _E X v0.39	5
2.7	Protocol entry	6
3	Test	6
3.1	Catcode checks for loading	6
4	Reload check for plain	8
5	Installation	8
5.1	Download	8
5.2	Bundle installation	8
5.3	Package installation	9
5.4	Refresh file name databases	9
5.5	Some details for the interested	9
6	History	10
	[2007/12/12 v1.0]	10
	[2009/04/10 v1.1]	10
	[2009/04/17 v1.2]	10
	[2010/03/01 v1.3]	10
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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.

1	Documentation	2
1.1	Introduction	2
1.2	Usage	2
1.3	Specification	3
2	Implementation	3
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2.2	Catcodes	4
2.3	Check for previously defined <code>\ifpdf</code>	5
2.4	<code>\pdfoutput</code> and LuaTeX	6
2.5	<code>\ifpdf</code>	6
2.6	Test for fool attempts	7
2.7	Protocol entry	7
3	Test	8
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4.1	Download	9
4.2	Bundle installation	10
4.3	Package installation	10
4.4	Refresh file name databases	10
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5	History	11
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	[2001/09/26 v1.2]	11
	[2005/07/22 v1.3]	11
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	[2007/09/09 v1.5]	11
	[2007/12/12 v1.6]	11
	[2008/12/12 v1.7]	12
	[2009/04/10 v2.0]	12
	[2010/01/28 v2.1]	12
	[2010/09/13 v2.2]	12
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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
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2.5	<code>\ifvtex</code>	5
2.6	Mode and GeX switches	5
2.7	Protocol entry	6
3	Test	6
3.1	Catcode checks for loading	6
4	Installation	8
4.1	Download	8
4.2	Bundle installation	8
4.3	Package installation	8
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	[2006/02/20 v1.1]	9
	[2007/01/10 v1.2]	10
	[2007/09/09 v1.3]	10
	[2008/11/04 v1.4]	10
	[2010/03/01 v1.5]	10
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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 .

1	Documentation	1
2	Implementation	2
2.1	Reload check and package identification	2
2.2	Catcodes	3
2.3	\LaTeX detection	4
2.4	Version for \LaTeX	4
2.5	Version for plain \TeX	5
3	Test	8
3.1	Catcode checks for loading	8
3.2	Macro tests	9
4	Installation	13
4.1	Download	13
4.2	Bundle installation	13
4.3	Package installation	13
4.4	Refresh file name databases	13
4.5	Some details for the interested	14
5	History	14
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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.

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The intcalc package

Abstract

This package provides expandable arithmetic operations with integers.

1 Documentation	2
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1.2.2 Postconditions	3
1.3 Error handling	3
1.4 Operations	3
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1.4.2 Inv, Abs, Sgn	4
1.4.3 Min, Max, Cmp	4
1.4.4 Inc, Dec, Add, Sub	5
1.4.5 Shl, Shr	5
1.4.6 Mul, Sqr, Fac, Pow	5
1.4.7 Div, Mod	6
1.5 Interface for programmer	6
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2.3.1 Abs, Sgn	9
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2.5 Implementation without ε -TeX	17
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5	History	58
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[2007/09/27 v1.1]		58
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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.

1	Documentation	1
1.1	Motivation	1
2	Implementation	2
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The kvoptions package

Abstract

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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 luacolor package

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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

Abstract

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

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The mleftright package

Abstract

TeX sets subformulas by `\left` and `\right` as inner formulas with additional surrounding spaces in some situations. This package provides `\mleft` and `\mright` that call `\left` and `\right`, but the delimiters will act as normal `\mathopen` and `\mathclose` delimiters without the additional space of an inner formula.

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The pagegrid package

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

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The pagesel 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

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

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The pdfcolmk package

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The pdfcolparallel package

Abstract

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The pdfcolparcolumns package

Abstract

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

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The pdfcrypt package

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The pdfescape package

Abstract

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The pdfscape package

Abstract

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The pdfrender package

Abstract

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The pdftexcmds package

Abstract

LuaTeX provides most of the commands of pdfTeX 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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The pmboxdraw package

Abstract

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The `protecteddef` package

Abstract

This package provides `\ProtectedDef` for defining robust macros for both plain `TEX` and `LATEX`. First `ε-TEX`'s `\protected` is tried, then `LATEX`'s `\DeclareRobustCommand` is used. Otherwise the macro is not made robust.

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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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The rerunfilecheck package

Abstract

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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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The rotchiffre package

Abstract

This package implements chiffres ROT13 with its variants ROT5, ROT18, and ROT47.

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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.

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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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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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The settobox package

Abstract

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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

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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.

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The stringenc package

Abstract

This package provides `\StringEncodingConvert` for converting a string between different encodings. Both L^AT_EX and plain-T_EX 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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The telprint package

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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

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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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