

CTAN:macros/latex/contrib/oberdiek/

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1 Overview

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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 aliascnt package

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The alphalph package

Abstract

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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 auxhook package

Abstract

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

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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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The chemarr package

Abstract

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

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The classlist package

Abstract

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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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| 3.5 | Some details for the interested | 4 |
| 4 | History | 4 |
| [2000/08/31 v1.0] | | 4 |
| [2006/02/20 v1.1] | | 4 |
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The embedfile package

Abstract

This package embeds files to a PDF document. Currently pdfTeX λ = 1.30 in PDF mode is supported only.

| | | |
|----------|--|-----------|
| 1 | Documentation | 1 |
| 1.1 | Introduction | 1 |
| 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 | 3 |
| 2 | Implementation | 4 |
| 2.1 | Reload check and package identification | 4 |
| 2.2 | Tools | 5 |
| 2.3 | Check for recent pdfT _E X in PDF mode | 5 |
| 2.4 | Key value definitions | 6 |
| 2.5 | Embed the file | 6 |
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| 3.3 | Package installation | 10 |
| 3.4 | Refresh file name databases | 10 |
| 3.5 | Some details for the interested | 10 |
| 4 | References | 11 |
| 5 | History | 11 |
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| | [2007/04/11 v1.1] | 11 |
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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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| 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 |
| 2.3 | User macros | 4 |
| 2.4 | Suffix generation | 5 |
| 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 | 7 |
| 4 | History | 8 |
| | [2000/05/23 v1.0] | 8 |
| | [2003/04/28 v1.1] | 8 |
| | [2006/02/20 v1.2] | 8 |
| | [2007/04/11 v1.3] | 8 |
| | [2007/04/26 v1.4] | 8 |
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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 | Requirements | 1 |
| 2 | Usage | 2 |
| 2.1 | Configuration | 2 |
| 2.2 | Other image formats | 2 |
| 3 | Implementation | 3 |
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| 3.2 | Help macros for miniltx mode | 4 |
| 3.3 | Checks | 4 |
| 3.4 | Adding conversion support | 5 |
| 4 | Installation | 5 |
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| 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 |
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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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| 2 | Implementation | 1 |
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| 2.2 | Catcodes | 2 |
| 2.3 | Load package <code>infwarerr</code> | 3 |
| 2.4 | <code>\unexpanded</code> | 3 |
| 3 | Test | 3 |
| 4 | Installation | 4 |
| 4.1 | Download | 4 |
| 4.2 | Bundle installation | 5 |
| 4.3 | Package installation | 5 |
| 4.4 | Refresh file name databases | 5 |
| 4.5 | Some details for the interested | 5 |
| 5 | History | 6 |
| | [2007/04/26 v1.0] | 6 |
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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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| 1.3 | ToDo | 2 |
| 2 | Implementation | 2 |
| 3 | Installation | 5 |
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| 3.3 | Package installation | 6 |
| 3.4 | Refresh file name databases | 6 |
| 3.5 | Some details for the interested | 6 |
| 4 | History | 6 |
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| [2007/03/07 v0.2] | | 7 |
| [2007/03/31 v0.3] | | 7 |
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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.

| | |
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| 1.2 Option <code>babel</code> | 2 |
| 1.3 Option <code>extendedchars</code> | 2 |
| 1.4 Option <code>encoding</code> | 2 |
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| 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 |
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| 2.2 Catcode stuff | 4 |
| 2.3 Options | 4 |
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| 5 History | 10 |
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| [2006/08/15 v1.0] | 10 |
| [2006/08/17 v1.1] | 10 |
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| [2007/04/11 v1.3] | 10 |
| [2007/06/13 v1.4] | 10 |
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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.

| | | |
|-------------------|---|----------|
| 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 |
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| 2.5.2 | Page layout | 4 |
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| [2006/06/02 v0.7] | | 6 |
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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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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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| 1.2 | <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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| 1.6.3 | One optional argument | 3 |
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| 1.8 | Protecting parentheses | 4 |
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| 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 |
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| [1999/04/12 v2.0] | | 8 |
| [2000/03/22 v2.1] | | 8 |
| [2006/02/20 v2.2] | | 8 |
| [2007/03/05 v2.3] | | 9 |
| [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 | 1 |
| 1.1 Package options | 2 |
| 1.2 User commands | 2 |
| 1.3 Limitations | 2 |
| 2 Implementation | 2 |
| 3 Installation | 5 |
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| 3.3 Package installation | 5 |
| 3.4 Refresh file name databases | 5 |
| 3.5 Some details for the interested | 5 |
| 4 History | 6 |
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| [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] | 6 |
| [2007/02/19 v1.6] | 6 |
| [2007/04/09 v1.7] | 7 |
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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 | 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 hyperref's hooks | 6 |
| 2.7.1 | Destination setting | 7 |
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| 3.2 | Bundle installation | 9 |
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| 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 |
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| 4.3 | Package installation | 12 |
| 4.4 | Refresh file name databases | 12 |
| 4.5 | Some details for the interested | 12 |
| 5 | History | 12 |
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| [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 |
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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 | 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 |
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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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| 1 | Documentation | 2 |
| 2 | Implementation | 2 |
| 2.1 | Reload check and package identification | 3 |
| 2.2 | Tools | 4 |
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| 2.2.2 | Expandible existence check for macros | 4 |
| 2.2.3 | Macros for messages | 4 |
| 2.2.4 | Support for <code>etex.src</code> | 5 |
| 2.3 | <code>\IfLanguagePatterns</code> | 5 |
| 2.4 | <code>\IfLanguageName</code> | 6 |
| 2.5 | Check plausibility of <code>\language</code> | 7 |
| 3 | Test | 7 |
| 3.1 | Test with L ^A T _E X | 7 |
| 3.2 | Test with plain-T _E X and ε -T _E X | 8 |
| 3.3 | Test with plain-T _E X and without ε -T _E X/pdfT _E X | 9 |
| 4 | Installation | 10 |
| 4.1 | Download | 10 |
| 4.2 | Bundle installation | 10 |
| 4.3 | Package installation | 10 |
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| 4.5 | Some details for the interested | 11 |
| 5 | Acknowledgement | 11 |
| 6 | History | 11 |
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| | [2007/04/11 v1.1] | 11 |
| | [2007/04/12 v1.2] | 11 |
| | [2007/04/26 v1.3] | 11 |
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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 | 1 |
| 1.1 | Introduction | 1 |
| 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 | Check for previously defined <code>\ifpdf</code> | 4 |
| 2.3 | <code>\ifpdf</code> | 5 |
| 2.4 | Protocol entry | 5 |
| 3 | Installation | 5 |
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| 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 | 7 |
| | [2001/06/14 v1.0] | 7 |
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| | [2001/09/26 v1.2] | 7 |
| | [2005/07/22 v1.3] | 7 |
| | [2006/02/20 v1.4] | 7 |
| 5 | Index | 7 |

The `ifvtex` package

Abstract

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

| | | |
|----------|---|----------|
| 1 | Usage | 1 |
| 2 | Implemenation | 2 |
| 2.1 | Reload check and package identification | 2 |
| 2.2 | Check for previously defined <code>\ifvtex</code> | 3 |
| 2.3 | <code>\ifvtex</code> | 3 |
| 2.4 | Mode and GeX switches | 4 |
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| 3 | Installation | 5 |
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| 3.5 | Some details for the interested | 5 |
| 4 | History | 6 |
| | [2001/09/26 v1.0] | 6 |
| | [2006/02/20 v1.1] | 6 |
| | [2007/01/10 v1.2] | 6 |
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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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| 1 | Documentation | 1 |
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| 4.4 | Refresh file name databases | 11 |
| 4.5 | Some details for the interested | 11 |
| 5 | History | 12 |
| | [2007/04/26 v1.0] | 12 |
| | [2007/06/14 v1.1] | 12 |
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The inputenx package

Abstract

This package deals with input encodings. The first stage is already available. It 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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| 1 | Documentation | 2 |
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| 1.2 | Unicode | 4 |
| 1.3 | Math | 4 |
| 1.4 | ToDo | 4 |
| 2 | Implementation | 4 |
| 2.1 | Identification | 4 |
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| 2.2.2 | Aliases for encoding names | 4 |
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The kvoptions package

Abstract

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

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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 makerobust package

Abstract

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The pagesel package

Abstract

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The pdfcolfoot package

Abstract

Since version 1.40 pdfT_EX 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

Abstract

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

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The pdfcrypt package

Abstract

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

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The pdfescape package

Abstract

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

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The pdfscape package

Abstract

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

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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

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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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

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

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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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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

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 zref package

Abstract

Package `zref` tries to get rid of the restriction in L^AT_EX'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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