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Heiko Oberdiek <oberdiek@uni-freiburg.de>

2009/10/17

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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 alphalph package

Abstract

The package provides methods to represent numbers with a limited set of symbols. Both \LaTeX and plain- \Tau EX are supported.

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The askinclude package

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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 LATEX and plain-TEX are supported.

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The atenddvi package

Abstract

LATEX 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 $pdfT_EX$. 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 ${\tt auxhook}$ provides hooks for adding stuff at the begin of $.{\tt aux}$ files.

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The bigintcalc package

Abstract

This package provides expandable arithmetic operations with big integers that can exceed $T_E X$'s number limits.

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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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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 LATEX and plain-TEX 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.

| L | User interface |
|----------------|---------------------------------|
| 2] | Implementation |
|] | Installation |
| | Download |
| .2 | Bundle installation |
| 3.3 | Package installation |
| .4 | Refresh file name databases |
| 3.5 | Some details for the interested |
| 4 1 200 | History 6/12/02 v1.0] |
| | Index |

The chemarr package

Abstract

Very often chemists need a longer version of reaction arrows (\rightleftharpoons) with the possibility to put text above and below. Analogous to amsmath's \rightleftharpoons and \rightleftharpoons.

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|-----|---------------------------------|---|
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| 2 | Implementation | 2 |
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The classlist package

Abstract

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

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|-----|---------------------------------|
| 1.1 | Background |
| 1.2 | Usage |
| 2 | Implementation |
| 3 | Installation |
| 3.1 | Download |
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| 3.5 | Some details for the interested |
| 1 | History |
| 20 | 05/06/19 v1.0] |
| | 05/06/19 v1.1] |
| 20 | 06/02/20 v1.2] |
| • | 08/08/11 v1.3 |

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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| 4 | References | 6 |
| 5 [20 | History 06/08/01 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 coor stack space".

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|------------|---|
| 1.1 | Introduction |
| 1.2 | Usage |
| | 1 With ε -T _E X |
| 1.2.5 | 2 Without ε -T _E X |
| 2] | Implementation |
| | Installation |
| 3.1 | Download |
| | Bundle installation |
| | Package installation |
| | Refresh file name databases |
| | Some details for the interested |
| | History |
| [200 | 00/08/31 v1.0] |
| 200 | 06/02/20 v1.1] |
| - | 08/08/11 v1.2] |
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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 \LaTeX formats.

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| | 7/04/26 v1.4 | |
| | 7/09/09 v1.5 | |
| | $7/09/20 \text{ v} \cdot 1.6$ | |
| | [8/08/11 v1.7] | |
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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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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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| 5 | History | 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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| [2007/03/31 v0.3] | 200 | 07/03/07 v0.2 |
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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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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 pdfT_EX in PDF mode the file name may contain spaces.

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| [200 | 7/04/11 v1.3] | 2 |
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| | [7/08/16 v1.5] | 2 |
| | 7/11/11 v1.6 | 2 |
| [200 | [7/11/24 v1.7] | 2 |
| [200 | 8/08/11 v1.8] | 2 |

| [2008/10/13 v1.9]. | | | | | | | | | | | | | | | | | | 12 |
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| [2009/09/25 v1.10] | | | | | | | | | | | | • | | | | | | 12 |
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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.

| I No usage | |
|-------------------------------------|--|
| 2 Implementation | |
| 2.1 Help macros | |
| 2.2 History | |
| 2.3 Formatting macros | |
| 2.4 Names | |
| 2.5 Setup | |
| 2.5.1 Package doc | |
| 2.5.2 Page layout | |
| Installation | |
| 3.1 Download | |
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| S.5 Some details for the interested | |
| History | |
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| 2000/08/14 v0.4] | |
| 2001/08/27 v0.5] | |
| 2001/09/02 v0.6] | |
| 2006/06/02 v0.7] | |
| 2007/10/21 v0.8] | |
| 2007/11/11 v0.9] | |
| 2007/12/12 v0.10] | |
| 2008/08/11 v0.11] | |
| 2009/08/07 v0.12] | |
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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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| 2.4 | Utils | |
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| | 8/08/01 v1.3] | |
| | 8/09/08 v1.4] | |
| | 9/10/02 v1.5] | |
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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 | \texorpdfstring | 2 |
| 1.3 | Sectioning commands | 2 |
| 1.4 | Places for sectioning strings | 2 |
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| 3.2 3.3 3.4 3.5 4 H [1998 [1999] | Bundle installation | 7 7 7 8 8 8 8 8 |
| 3.2 3.3 3.4 3.5 4 F [1998 [1999 [2000 | Bundle installation | 77 77 78 88 88 88 88 89 |
| 3.2 3.3 3.4 3.5 4 H [1998 [2000 [2000 | Bundle installation | 7 7 7 8 8 8 8 8 |

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 |
|-----|--|
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| 1.2 | User commands |
| 1.3 | Limitations |
| 2 | Implementation |
| 3 | Installation |
| 3.1 | Download |
| 3.2 | Bundle installation |
| 3.3 | |
| 3.4 | |
| 3.5 | Some details for the interested |
| 4 | History |
| [19 | 99/02/13 v1.0] |
| | 00/08/14 v1.1] |
| [20 | 00/09/07 v1.2] |
| [20 | 01/08/27 v1.3] |
| [20 | $01/09/06 \text{ v}1.4] \dots \dots$ |
| [20 | 06/02/20 v1.5] |
| [20 | 07/02/19 v1.6] |
| [20 | 07/04/09 v1.7] |
| [20 | $08/04/14 \text{ v}1.8] \dots \dots$ |
| [20 | 08/08/11 v1.9] |
| | 08/09/08 v1.10] |
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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.

| 1 User interface | 2 |
|--------------------------------------|----------|
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| 1.2 Requirements | . 2 |
| 1.3 Use | . 2 |
| 1.4 Limitations | . 2 |
| 1.5 Future | . 3 |
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| 3.5 Some details for the interested | . 10 |
| 4 References | 10 |
| 5 History | 10 |
| [2006/06/01 v1.0] | |
| [2006/06/01 v2.0] | |
| [2007/11/11 v2.1] | |
| [2008/08/08 v2.2] | |
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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 \LaTeX 2 ε . Bookmarks are added and references are linked as far as possible.

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|--|----------|
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| | 4 |
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| 3.4 \tableofcontents | 5 |
| 3.5 \listoffigures | 6 |
| 3.6 \listoftables | 6 |
| 3.7 \thebibliography | 7 |
| 3.8 \theindex | 7 |
| 3.9 \theglossary | 8 |
| 3.10 Index | 8 |
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| 3.17 \SortIndex | 3 |
| $3.18 \ensuremath{\setminus \mathtt{0wrglossary}}$ | 3 |
| $3.19 \setminus MacroIndent \dots 1$ | 3 |
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| 4.1 Download | 4 |
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| 4.3 Package installation | 4 |
| 4.4 Refresh file name databases | 4 |
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| [20 | 007/11/12 | v1.6] | | | • | • | | • | | | | • | • | • | • | | | | • | • | | • | 10 | ŝ |
| [20 | 007/04/11 | v1.5] | | | | | | | | | | | | | | | | | | | | | 1 | 6 |
| $\lfloor 20$ | 006/06/02 | v1.4 | | | | | | | | | | | | | | | | | | | | | 1 | õ |

The hypgotoe package

Abstract

Experimental package for links to embedded files.

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| 2.4 | Extend \href |
| 2.5 | Implement gotoe action |
| 2.6 | Keys for gotoe action |
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| 3.3 | Package installation |
| 3.4 | Refresh file name databases |
| 3.5 | Some details for the interested |
| 4] | References 7 |
| 5] | History 7/10/30 v0.1] |
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The hyphsubst package

Abstract

A TeX format file may include alternative hyphenation patterns for a language with a different name. If the naming convention follows babel's rules, then the hyphenation patterns for a language can be replaced by the alternative hyphenation patterns, provided in the format file.

| 1 1 | Documentation | L |
|-----|---|---|
| 1.1 | <u>In short</u> | L |
| | Longer version | |
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| 3 | <u>rest</u> | ; |
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| 4.1 | Download | 3 |
| | Bundle installation | |
| | Package installation | |
| | Refresh file name databases | |
| | Some details for the interested | |
| 5 I | History 10 |) |
| | 8/06/07 v0.1] |) |
| - | 8/06/09 v0.2] | |
| 6 I | Index |) |

The ifdraft package

${\bf Abstract}$

The package provides an interface for selecting code depending on the options draft and final.

| 1 | Usage |
|-----|---------------------------------|
| 1.1 | Package loading |
| | User macros |
| 2 | Implementation |
| | Installation |
| 3.1 | Download |
| 3.2 | Bundle installation |
| 3.3 | Package installation |
| 3.4 | Refresh file name databases |
| 3.5 | Some details for the interested |
| 4 | History |
| [19 | 099/12/28 v1.0] |
| | 005/10/05 v1.1] |
| | 006/02/20 v1.2] |
| | 008/08/11 v1.3] |
| 5 | Index |

The iflang package

Abstract

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

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|------------|---|----|
| 2 I | Implementation | 2 |
| 2.1 | Reload check and package identification | 3 |
| 2.2 | Tools | 4 |
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| 2.2.3 | | 5 |
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| 2.5 | Check plausibility of \languagename | 7 |
| 3 7 | $\Gamma_{ m est}$ | 8 |
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| 3.2 | Test with LATEX | 9 |
| 3.3 | Test with plain-T _F X and ε -T _F X | 10 |
| 3.4 | Test with plain-TEX and without ε -TEX/pdfTEX | 11 |
| 4 I | Installation | 12 |
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| • | $77/04/11 \mathrm{v1.1}]$ | 14 |
| | $7/04/12 \mathrm{v1.2}]$ | 14 |
| | 0.7/04/26 v1.3 | 14 |
| | $07/09/09 \mathrm{v1.4}]$ | 14 |
| - | $7/11/11 \text{ v1.5}] \dots $ | 14 |
| 7 1 | Index | 14 |

The ifluatex package

Abstract

This package looks for LuaTeX regardless of its mode and provides the switch $\$ ifluatex. Also it makes $\$ luatexversion available if it is not present. It works with plain-TeX or $\$ ATeX.

| 1 | Documentation |
|-----|---|
| 2 | Implementation |
| 2.1 | Reload check and package identification |
| 2.2 | |
| 2.3 | |
| 2.4 | Check for previously defined \ifluatex |
| 2.5 | \ifluatex |
| 2.6 | |
| 2.7 | |
| 3 | Test |
| 3.1 | Catcode checks for loading |
| 4 | Reload check for plain |
| 5 | Installation |
| 5.1 | Download |
| 5.2 | Bundle installation |
| 5.3 | Package installation |
| 5.4 | Refresh file name databases |
| 5.5 | Some details for the interested |
| 6 | History |
| [20 | 007/12/12 v1.0] |
| - | $009/04/10 \text{ v}1.1 \]$ |
| - | 009/04/17 v1.2] |
| 7 | Index |

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 LATEX formats.

| 1 1 | Jocumentation | 2 |
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| 1.1 | Introduction | 2 |
| 1.2 | Usage | 2 |
| 1.3 | Specification | 3 |
| 2 I | Implementation | 3 |
| 2.1 | Reload check and package identification | 3 |
| 2.2 | Catcodes | 4 |
| 2.3 | Check for previously defined \ifpdf | 5 |
| 2.4 | \pdfoutput and LUATeX | 5 |
| 2.5 | \ifpdf | 6 |
| 2.6 | Test for fool attempts | 6 |
| 2.7 | Protocol entry | 7 |
| 3 7 | $\Gamma\!\!$ est | 7 |
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| [200] | 7/09/09 v1.5] | 10 |
| | 7/12/12 v1.6] | 10 |
| | 8/12/12 v1.7] | 11 |
| [2009 | 9/04/10 v2.0] | 11 |
| 6 I | ndey | 11 |

The ifvtex package

Abstract

This package looks for VTEX, implements and sets the switches $\forall v \in X$, \forall

| 1 | Usage |
|-----------------|---|
| 2 | Implemenation |
| 2.1 | Reload check and package identification |
| 2.2 | |
| 2.3 | |
| 2.4 | - ' |
| 2.5 | |
| 2.6 | |
| 3 | Test |
| 3.1 | Catcode checks for loading |
| 4 | Installation |
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| 4.2 | |
| 4.3 | |
| $\frac{1}{4.4}$ | |
| 4.5 | |
| 5 | History |
| | 01/09/26 v1.0] |
| | 06/02/20 v1.1] |
| - | 07/01/10 v1.2] |
| - | 07/09/09 v1.3] |
| | 08/11/04 v1.4] |
| | |
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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- T_EX .

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| 3.2 | 2 Macro tests | |
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| 5 | History | 14 |
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| - | 007/09/09 v1.2] | |
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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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| 1.3 N | ${ m Math}$ | 4 |
| 1.4 T | CoDo | 4 |
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| | | 4 |
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| | Encoding iso-8859-15 | 4 |
| | Encoding iso-8859-16 | 6 |
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| [2007/06/16 v1.2] |
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| [2009/08/13 v1.4] |
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The intcalc package

Abstract

This package provides expandable arithmetic operations with integers.

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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 letltxmacro package

Abstract

TEX's \let assignment does not work for LATEX 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

Abstract

The package ltxcmds exports some utility macros from the $L^{4}T_{E}X$ kernel into a separate namespace and also provides them for other formats such as plain- $T_{E}X$.

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The luacolor package

${\bf Abstract}$

Package $\mbox{{\tt luacolor}}$ implements color support based on LuaTeX's node attributes.

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The luatex package

Abstract

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The magicnum package

Abstract

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The makerobust package

${\bf Abstract}$

Package ${\tt makerobust}$ provides ${\tt \backslash MakeRobustCommand}$ that converts an existing macro to a robust one.

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The pagesel package

Abstract

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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 pdf T_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

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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

Abstract

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

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The pdfcrypt package

${\bf Abstract}$

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

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The pdfescape package

Abstract

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The pdflscape package

Abstract

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

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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 multiplicated 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 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 implicite penalties \binoppenalty and \relpenalty. This packages 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

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The stackrel package

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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

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The tabularht package

${\bf Abstract}$

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 tabularky. 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 $\backslash \texttt{telprint}$ 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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