CTAN:macros/latex/contrib/oberdiek/

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2 Packages

The accsupp package

Abstract

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The alphalph package

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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 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 LaTeX 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

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.

1 Documentation **2**
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1.2 Bitmap image parsers . . . 3
1.2.1 User interface . . . 3
1.2.2 Hints . . . 4
1.2.3 Test program . . . 4
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[2008/08/11 v1.5] . . . 64
[2009/09/04 v1.6] . . . 64

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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.

1 Documentation **3**
1.1 Introduction . . . 3
1.2 Options . . . 3
1.2.1 Options draft and final . . . 4
1.2.2 Driver options . . . 4
1.2.3 Layout options . . . 4
1.2.4 Action options . . . 5
1.2.5 Level options . . . 6
1.2.6 Style definitions . . . 6
1.2.7 Hook support . . . 7
1.3 Compatibility with hyperref . . . 7
1.4 Adding bookmarks at the end . . . 8
1.5 Limitations/ToDos . . . 8

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[2009/12/17 v1.8] . . . 48
[2010/03/30 v1.9] . . . 48
[2010/04/03 v1.10] . . . 48
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[2010/04/08 v1.12] . . . 48
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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.

1 Documentation **2**

2 Implementation **2**
2.1 Reload check and package identification . . . 2
2.2 Catcodes . . . 3
2.3 Preparations . . . 4
2.4 Looking for primitive \input . . . 4
2.5 Input file check . . . 5
2.6 Catch file contents . . . 6

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3.2 LATEX . . . 9
3.3 plain TEX . . . 11

4 Installation **12**
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6 History **14**
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[2010/04/08 v1.4] . . . 15
[2010/04/28 v1.5] . . . 15
[2011/03/01 v1.6] . . . 15

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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 Catalogue **4**

5 History **5**
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[2007/05/31 v1.1] . . . 5
[2010/03/29 v1.2] . . . 5
[2011/07/11 v1.3] . . . 5

6 Index **5**

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 2

2 Implementation **2**

3 Installation **3**
3.1 Download 3
3.2 Bundle installation 3
3.3 Package installation 4
3.4 Refresh file name databases 4
3.5 Some details for the interested 4

4 Catalogue **5**

5 History **5**
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[2001/06/22 v1.1] 5
[2006/02/20 v1.2] 5

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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 2

2 Implementation **2**

3 Installation **4**
3.1 Download 4
3.2 Bundle installation 5
3.3 Package installation 5
3.4 Refresh file name databases 5
3.5 Some details for the interested 5

4 Catalogue **6**

5 History **7**
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[2006/02/20 v1.2] 7
[2008/08/11 v1.3] 7
[2011/10/17 v1.4] 7

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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 . . . 3
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

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3.5 Some details for the interested . . . 6

4 Catalogue **7**

5 References **7**

6 History **7**
[2006/08/01 v1.0] . . . 7

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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".

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 . . . 4
3.4 Refresh file name databases . . . 4
3.5 Some details for the interested . . . 4

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5 History **5**
[2000/08/31 v1.0] . . . 5
[2006/02/20 v1.1] . . . 6
[2008/08/11 v1.2] . . . 6

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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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1.1 Introduction . . . 2
1.1.1 Future development . . . 2
1.2 User interface . . . 3
1.3 Collection support (PDF 1.7) . . . 4
1.4 Export of object references . . . 5
1.4.1 Example . . . 6
1.5 Examples . . . 6
1.5.1 plain TeX . . . 6
1.5.2 Collection example . . . 7
1.6 Package dtx-attach . . . 8

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2.4 Check for recent pdfTeX in PDF mode . . . 11
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2.6 Switches . . . 12
2.7 Key value definitions . . . 13
2.8 Embed the file . . . 18

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3.2 Simple test . . . 25
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[2007/10/29 v2.1] 29
[2007/11/11 v2.2] 29
[2007/11/25 v2.3] 29
[2009/09/25 v2.4] 29
[2010/03/01 v2.5] 30
[2011/04/13 v2.6] 30

8 Index **30**

The engord package

Abstract

The package generates the suffix of English ordinal numbers. It can be used with plain and LaTeX 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
2.3 User macros . . . 5
2.4 Suffix generation . . . 6

3 Test **8**
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4.4 Refresh file name databases . . . 11
4.5 Some details for the interested . . . 11

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[2010/03/01 v1.8] . . . 13

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The enparen package

Abstract

The package defines macros to set parentheses that automatically change the symbols from inner to outer fences.

1 Documentation **2**
1.1 User macros . . . 2
1.2 Contexts . . . 3
1.3 Options . . . 3
1.4 Notes . . . 4

2 Implementation **4**
2.1 Resources . . . 4
2.2 Contexts . . . 5
2.2.1 Stack for contexts . . . 5
2.2.2 Context user macros . . . 5
2.3 Symbols . . . 6
2.4 Main user macros . . . 7
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2.6 Context settings . . . 8
2.7 At end of document . . . 9

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4 References **11**

5 History **11**
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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.

1 Documentation **2**
1.1 Examples . . . 2
1.1.1 Small LaTeX document as example . . . 4
1.1.2 LaTeX document with environments . . . 4
1.2 Limitations . . . 4

2 Implementation **5**
2.1 Reload check and package identification . . . 5
2.2 Catcodes . . . 6
2.3 Resources . . . 7
2.4 Macro \eolgrab . . . 7

3 Test **8**
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3.2 Tests for plain TeX . . . 10

4 Installation **11**
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4.2 Bundle installation . . . 11
4.3 Package installation . . . 11
4.4 Refresh file name databases . . . 12
4.5 Some details for the interested . . . 12

5 Catalogue **13**

6 References **13**

7 History **13**
[2011/01/12 v1.0] . . . 13

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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.

1 Documentation **2**
1.1 Introduction . . . 2
1.2 Requirements . . . 3
1.3 Usage . . . 3
1.4 Options . . . 4
1.5 Configuration . . . 5
1.5.1 System configuration file `epstopdf-sys.cfg` . . . 5
1.5.2 User configuration file `epstopdf.cfg` . . . 5
1.5.3 Conversion program . . . 5
1.6 Other image formats . . . 6

2 Implementation **6**
2.1 Wrapper package . . . 6
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2.3 Preparations . . . 9
2.3.1 Reload check and identification . . . 9
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2.4 Checks . . . 11
2.5 Package loading . . . 11
2.6 Options . . . 11
2.6.1 Default setting . . . 12
2.7 Make and verbose . . . 12
2.8 Adding conversion support . . . 13
2.9 Declare graphics rule . . . 16

3 Test **17**
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4 Installation **19**
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4.2 Bundle installation . . . 19
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6 History **21**
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[2006/02/20 v1.2] . . . 21
[2006/08/26 v1.3] . . . 21
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[2008/05/06 v1.7] . . . 22
[2009/03/01 v1.8] . . . 22
[2009/07/06 v1.9] . . . 22
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[2009/07/12 v2.0] . . . 22
[2009/07/15 v2.1] . . . 22
[2009/07/16 v2.2] . . . 22
[2009/09/24 v2.3] . . . 22
[2009/10/17 v2.4] . . . 23
[2010/02/09 v2.5] . . . 23

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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 \unexpanded . . . 2
1.2 \expanded . . . 2

2 Implementation **2**
2.1 Reload check and package identification . . . 2
2.2 Catcodes . . . 3
2.3 Provide \newif . . . 4
2.4 Load package infwarerr . . . 5
2.5 \unexpanded . . . 5
2.6 \expanded . . . 6

3 Test **7**
3.1 Catcode checks for loading . . . 7
3.2 Macro tests . . . 9

4 Installation **10**
4.1 Download . . . 10
4.2 Bundle installation . . . 10
4.3 Package installation . . . 10
4.4 Refresh file name databases . . . 11
4.5 Some details for the interested . . . 11

5 Catalogue **11**

6 History **12**
[2007/05/06 v1.0] . . . 12
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[2010/01/28 v1.3] . . . 12
[2011/01/30 v1.4] . . . 12
[2011/02/16 v1.5] . . . 12

7 Index **12**

The fibnum package

Abstract

The package fibnum provides expandable fibonacci numbers for both LaTeX and plain TeX.

1 Documentation **1**

2 Implementation **4**
2.1 Identification 4
2.2 Package resources 6
2.3 Setup precalculated values 6
2.4 Macros for precalculating values 7
2.5 Expandable calculations 8

3 Test **9**
3.1 Catcode checks for loading 9
3.2 Test calculations 11

4 Installation **13**
4.1 Download 13
4.2 Bundle installation 13
4.3 Package installation 14
4.4 Refresh file name databases 14
4.5 Some details for the interested 14

5 History **15**
[2012/04/08 v1.0] 15

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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.

1 Documentation **1**
1.1 User interface . . . 2
1.2 Requirements . . . 2
1.3 ToDo . . . 2

2 Implementation **3**

3 Installation **6**
3.1 Download . . . 6
3.2 Bundle installation . . . 6
3.3 Package installation . . . 6
3.4 Refresh file name databases . . . 6
3.5 Some details for the interested . . . 7

4 Catalogue **7**

5 History **8**
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The gettitlestring 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.

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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
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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 pdfTeX in PDF mode the file name may contain spaces.

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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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1.3 Common limitations . . . 3
1.4 Package hobsub-generic . . . 3
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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.

1 No usage **2**

2 Implementation **2**
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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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3 Test **6**
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7 History **11**
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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.

1 Documentation **2**
1.1 Summary . . . 3

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 . . . 6
2.3 Package bookmark . . . 6
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2.5 Package hyperref . . . 8
2.5.1 Options Hyp.*color . . . 8
2.5.2 Generic algorithm . . . 11
2.5.3 Field options . . . 13
2.5.4 Detection for naked RGB values . . . 13
2.5.5 Options *bordercolor . . . 15
2.6 Package attachfile2 . . . 16
2.7 Patch for package xcolor . . . 19
2.7.1 Fix fragile \@frameb@x . . . 21

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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.

1 Usage **2**
1.1 Bookmarks restrictions . . . 2
1.2 \texorpdfstring . . . 2
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1.4 Places for sectioning strings . . . 2
1.5 Solution with optional arguments . . . 3
1.6 Syntax . . . 3
1.6.1 Star form . . . 3
1.6.2 Without optional arguments . . . 3
1.6.3 One optional argument . . . 3
1.6.4 Two optional arguments . . . 3
1.6.5 Optional argument in parentheses . . . 4
1.7 Without hyperref . . . 4
1.8 Protecting parentheses . . . 4

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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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4 Catalogue **7**

5 History **8**
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[2001/09/06 v1.4] . . . 8
[2006/02/20 v1.5] . . . 8
[2007/02/19 v1.6] . . . 8
[2007/04/09 v1.7] . . . 8
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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**
1.1 Introduction . . . 2
1.2 Requirements . . . 2
1.3 Use . . . 2
1.4 Limitations . . . 3
1.5 Future . . . 3

2 Implementation **3**
2.1 Identification . . . 3
2.2 Options . . . 3
2.2.1 Option verbose . . . 3
2.2.2 Options num and name . . . 4
2.3 Check requirements . . . 4
2.4 Preamble for auxiliary file . . . 4
2.5 Generation of destination names . . . 5
2.6 Assign destination names . . . 6
2.7 Redefinition of hyperref's hooks . . . 7
2.7.1 Destination setting . . . 7
2.7.2 Links . . . 8
2.7.3 Outlines of package hyperref . . . 8
2.7.4 Outlines of package bookmark . . . 9

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3.4 Refresh file name databases . . . 10
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5 References **12**

6 History **12**
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[2008/08/08 v2.2] . . . 12
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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 2ε. Bookmarks are added and references are linked as far as possible.

1 Features **2**

2 Usage **3**
2.1 Options . . . 3
2.2 Simple example . . . 3
2.3 Example source2e.tex . . . 4

3 Implementation **4**
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3.2 Package loading . . . 4
3.2.1 Patch for bug latex/4096 . . . 5
3.3 Bookmarks . . . 5
3.4 \tableofcontents . . . 6
3.5 \listoffigures . . . 7
3.6 \listoftables . . . 7
3.7 \thebibliography . . . 7
3.8 \theindex . . . 8
3.9 \theglossary . . . 9
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3.11 \PrintDescribeMacro . . . 12
3.12 \PrintMacroName . . . 12
3.13 \theCodelineNo . . . 12
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6 History **17**
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The hypgotoe package

Abstract

Experimental package for links to embedded files.

1 Documentation **1**
1.1 Introduction . . . 1
1.2 User interface . . . 2
1.3 Example . . . 2

2 Implementation **3**
2.1 Identification . . . 3
2.2 Load packages . . . 3
2.3 Color support . . . 4
2.4 Extend \href . . . 4
2.5 Implement gotoe action . . . 4
2.6 Keys for gotoe action . . . 5

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3.3 Package installation . . . 6
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3.5 Some details for the interested . . . 7

4 Catalogue **8**

5 References **8**

6 History **8**
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7 Index **8**

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 Documentation **2**
1.1 In short . . . 2
1.2 Longer version . . . 2
1.3 LaTeX . . . 3
1.4 plain TeX . . . 3

2 Implementation **3**
2.1 Reload check and package identification . . . 3
2.2 Package . . . 5

3 Test **7**
3.1 Catcode checks for loading . . . 7
3.2 Main tests . . . 9

4 Installation **9**
4.1 Download . . . 9
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4.3 Package installation . . . 10
4.4 Refresh file name databases . . . 10
4.5 Some details for the interested . . . 10

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6 History **11**
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The ifdraft package

Abstract

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

1 Usage **1**
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1.2 User macros 2

2 Implementation **2**

3 Installation **3**
3.1 Download 3
3.2 Bundle installation 4
3.3 Package installation 4
3.4 Refresh file name databases 4
3.5 Some details for the interested 4

4 Catalogue **5**

5 History **6**
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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 Implementation **3**
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2.2.2 Expandible existence check for macros . . . 5
2.2.3 Macros for messages . . . 6
2.2.4 Support for etex.src . . . 6
2.3 \IfLanguagePatterns . . . 7
2.4 \IfLanguageName . . . 7
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3.4 Test with plain TeX and without ε-TeX/pdfTeX . . . 12

4 Installation **14**
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[2007/11/11 v1.5] . . . 16

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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 LaTeX.

1 Documentation **2**

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 \ifluatex . . . 4
2.5 \ifluatex . . . 5
2.6 LuaTeX v0.39 . . . 5
2.7 Protocol entry . . . 6

3 Test **7**
3.1 Catcode checks for loading . . . 7

4 Reload check for plain **8**

5 Installation **9**
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5.2 Bundle installation . . . 9
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5.5 Some details for the interested . . . 10

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7 History **11**
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[2009/04/17 v1.2] . . . 11
[2010/03/01 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 LaTeX formats.

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2 Implementation 2

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

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

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Abstract

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The intcalc package

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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

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

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The luacolor package

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The luatex package

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The magicnum package

Abstract

This packages allows to access magic numbers by a hierarchical name system.

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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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2 Implementation **2**

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3.4 Refresh file name databases 4
3.5 Some details for the interested 4

4 Catalogue **5**

5 History **5**
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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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2 Implementation **2**

3 Test **7**
3.1 Catcode checks for loading 7

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6 Acknowledgement **11**

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The pagegrid package

Abstract

The LaTeX package prints a page grid in the background.

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1.1 Options . . . 2
1.1.1 Options enable, disable . . . 2
1.1.2 Grid origins . . . 2
1.1.3 Grid unit . . . 2
1.1.4 Color options . . . 3
1.1.5 Arrow options . . . 3
1.1.6 Miscellaneous options . . . 3

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The pagesel package

Abstract

Single pages or page areas can be selected for output.

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1.1.1 Options for selecting pages . . . 2
1.1.2 Examples . . . 2
1.2 Auxiliary files . . . 3
1.2.1 Options for handling auxiliary files . . . 3
1.2.2 Package `hyperref` . . . 3

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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.

1 Documentation **2**
1.1 Requirements . . . 2
1.2 Interface . . . 2

2 Implementation **3**
2.1 Reload check and package identification . . . 3
2.2 Catcodes . . . 4
2.3 Check requirements . . . 5
2.3.1 Check package luacolor . . . 5
2.3.2 Check PDF mode . . . 5
2.3.3 Check version of pdfTEX . . . 6
2.3.4 Check `pdftex.def` . . . 6
2.4 Enabled interface macros . . . 7
2.5 Disabled interface macros . . . 8

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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.

1 User interface **2**
1.1 Other packages or classes 2

2 Interface for package or class writers **2**
2.1 Macro \pdfcolfoot@switch 2
2.2 Macro \pdfcolfoot@current 2

3 Implementation **3**
3.1 Identification 3
3.2 Load package pdfcol 3
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3.4 Patch \@makefntext 3
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The pdfcolmk package

Abstract

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

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1.2 Background . . . 2
1.3 Limitations . . . 2
1.4 Recommendation . . . 2
1.5 Usage . . . 2
1.6 Compatibility . . . 2

2 Implementation **3**
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2.1.2 memoir.cls . . . 5
2.1.3 poemscol/marn.sty, poemscol/newmarn.sty . . . 7
2.1.4 refman/refart.cls, refnam/refrep.cls . . . 8
2.2 Color fix . . . 9

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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.

1 Usage **2**
1.1 Option rulebetweencolor . . . 2
1.2 Future . . . 2

2 Implementation **2**
2.1 Identification . . . 2
2.2 Load and fix package parallel . . . 2
2.3 Color stack support . . . 7
2.4 Redefinitions . . . 8

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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.

1 Usage **2**
1.1 Option rulebetweencolor . . . 2
1.2 Future . . . 2

2 Implementation **2**
2.1 Identification . . . 2
2.2 Load packages . . . 2
2.2.1 Package parcolumns . . . 2
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[2008/08/11 v1.2] . . . 10
[2010/01/11 v1.3] . . . 10

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The pdfcrypt package

Abstract

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

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1.1 Alternatives . . . 2
1.2 Usage . . . 2
1.2.1 Special characters . . . 3
1.2.2 \nopdfcrypt . . . 3
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1.2.4 Support for plain TEX . . . 3
1.3 Hints for pdfTEX . . . 3

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2.7 Package options . . . 12

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[2006/02/20 v0.8] . . . 15
[2007/04/11 v0.9] . . . 16
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The pdfescape package

Abstract

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

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1.1 Additional unescape macros . . . 3
1.2 Sanitizing macro . . . 3

2 Implementation **3**
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2.2 Catcodes . . . 4
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2.4 Sanitizing . . . 6
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2.4.2 Space normalization . . . 6
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2.8 Help macros . . . 13
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2.9 Conversions . . . 14
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3.7.2 Check ε-TeX . . . 21
3.7.3 Check LuaTeX . . . 21
3.8 Common part . . . 21
3.8.1 Test for iniTeX . . . 28

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[2011/11/25 v1.13] . . . 34

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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`.

1 Documentation **2**
1.1 Supported drivers . . . 2
1.2 Caveat . . . 2
1.3 Requirements . . . 2
1.4 Usage . . . 2

2 Implementation **2**
2.1 Package identification . . . 2
2.2 Driver options . . . 3
2.3 Autodetection of driver . . . 3
2.3.1 Driver pdftex . . . 3
2.3.2 Driver xetex . . . 3
2.3.3 Detect driver based on \Gin@driver . . . 4
2.3.4 Driver dvips . . . 4
2.4 Driver implementation . . . 5
2.4.1 pdfTeX . . . 5
2.4.2 PostScript driver . . . 6
2.4.3 Driver dvipdfm . . . 6
2.5 Driver independent stuff . . . 6

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4.2 Bundle installation . . . 11
4.3 Package installation . . . 11
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6 History **13**
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The pdfrender package

Abstract

The PDF format has some graphics parameter like line width or text rendering mode. This package provides an interface for setting these parameters.

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1.2 Macros . . . 2
1.3 Parameters . . . 2
1.3.1 Details . . . 3
1.4 Color stack . . . 4

2 Implementation **4**
2.1 Look for pdfTeX, its mode and features . . . 6
2.2 Enable color support of LaTeX . . . 8
2.3 Hook into \normalcolor . . . 8
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2.5 Fill and stroke color support . . . 15

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6 Acknowledgement **26**

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8 History **26**
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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.

1 Documentation **2**
1.1 General principles . . . 3
1.2 Macros . . . 3
1.2.1 Strings . . . 3
1.2.2 Files . . . 4
1.2.3 Timekeeping . . . 4
1.2.4 Miscellaneous . . . 5
1.2.5 Additional macro: \pdf@isprimitive . . . 6
1.2.6 Experimental . . . 7

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2.10.3 Files . . . 19
2.10.4 Timekeeping . . . 20
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2.11.1 Strings . . . 22
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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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1.1 Introduction . . . 2
1.2 Options . . . 2
1.3 Example . . . 2
1.4 Supported packages . . . 2

2 Implementation **3**
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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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1.3 Symbol list . . . 3

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6 References **92**

7 History **92**
[2006/05/03 v1.0] . . . 92
[2011/03/24 v1.1] . . . 92

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The protecteddef package

Abstract

This packages 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.

1 Documentation **1**
1.1 The LATEX's way . . . 2
1.2 The ε-TEX's way . . . 2
1.3 The way of this package . . . 2
1.4 Usage . . . 2

2 Implementation **2**
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4 Installation **11**
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4.5 Some details for the interested . . . 12

5 Catalogue **13**

6 History **13**
[2011/01/31 v1.0] . . . 13

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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.

1 Usage **2**
1.1 Setting counters . . . 2
1.2 Expandable commands . . . 2
1.3 Undefined references . . . 3
1.3.1 Check for undefined references . . . 3
1.4 Notes . . . 3

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2.3 `\setrefcountdefault` . . . 7
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2.5.2 User commands . . . 9
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2.7 Macros for checking undefined references . . . 11

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[2010/12/01 v3.2] . . . 21

[2011/06/22 v3.3] 21
[2011/10/16 v3.4] 21

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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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1.1 Options . . . 2
1.2 Interface for class/package authors . . . 3

2 Implementation **3**
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2.4 Rerun check . . . 7

3 Test **9**
3.1 Catcode checks for loading . . . 9

4 Installation **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 Catalogue **13**

6 History **13**
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[2010/03/15 v1.5] . . . 14
[2010/03/16 v1.6] . . . 14
[2011/04/15 v1.7] . . . 14

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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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1.1 Options 2
1.2 Options for packages amsmath or graphics 3

2 Implementation **3**

3 Test **8**
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6 Acknowledgement **12**

7 History **12**
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[2009/12/05 v1.1] 12
[2010/03/01 v1.2] 12

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The rotchiffre package

Abstract

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

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1.1 Motivation . . . 2
1.2 Usage . . . 2
1.2.1 Examples . . . 2

2 Implementation **3**
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2.6 Chiffres . . . 7
2.6.1 ROT13 . . . 7
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2.7 `\RotCh@rot` with big char support . . . 8
2.8 `\RotCh@rot` without big char support . . . 9

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3.2.2 ROT13 . . . 13
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3.2.5 ROT47 . . . 14
3.2.6 Big chars . . . 15

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4.5 Some details for the interested . . . 16

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6 References **18**

7 History **18**
[2010/11/12 v1.0] . . . 18

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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.

1 Documentation **1**
1.1 Usage . . . 2
1.2 Preambles . . . 2
1.2.1 Class scrartcl . . . 2
1.2.2 Classes scrreprt and scrbook . . . 2

2 Implementation **3**

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3.4 Refresh file name databases . . . 7
3.5 Some details for the interested . . . 7

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5 History **8**
[2008/07/07 v1.0] . . . 8
[2008/08/11 v1.1] . . . 9

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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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1.1 Introduction 1
1.2 User interface 2
1.3 Options 3
1.4 Encodings 3

2 Implementation **4**

3 Test **8**

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6 References **12**

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[2007/06/16 v1.0] 12
[2007/06/20 v1.1] 12
[2007/09/09 v1.2] 13

8 Index **13**

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.

1 Documentation **2**
1.1 Introduction . . . 2
1.2 Acknowledgement . . . 2
1.3 Usage . . . 2
1.4 Option hyperref . . . 3
1.5 Example . . . 3

2 Implementation **4**
2.1 Package start stuff . . . 4
2.2 Interface macros . . . 6
2.3 Main part . . . 6
2.4 Environment support . . . 9
2.5 Option hyperref . . . 9

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[2007/04/26 v1.5] . . . 15
[2007/05/17 v1.6] . . . 15
[2007/09/09 v1.7] . . . 15

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The settobox package

Abstract

Commands are defined for getting box sizes similar to LaTeX's \settowidth commands.

1 Usage **2**
1.1 Get box dimensions . . . 2
1.2 Set box dimensions . . . 2
1.3 Move box . . . 2
1.4 Example . . . 2
1.4.1 Short example . . . 2
1.4.2 Test file that shows box manipulations . . . 2

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5 History **9**
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[2007/04/11 v1.3] . . . 9
[2008/08/11 v1.4] . . . 9

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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.

1 Documentation **2**
1.1 Patch . . . 2
1.2 Future . . . 2

2 Implementation **2**
2.1 Reload check and package identification . . . 2
2.2 Catcodes . . . 4
2.3 Loading packages . . . 5
2.3.1 plain TeX . . . 5
2.3.2 LaTeX . . . 6
2.3.3 ε-TeX . . . 6
2.4 Macro for redefinitions . . . 6
2.5 Redefinition of \SOUL@eval . . . 7
2.6 UTF-8 analysis . . . 10
2.6.1 Help strings . . . 10
2.6.2 Support for utf8.def . . . 10
2.6.3 Support for utf8x.def . . . 11
2.7 Actions for UTF-8 sequences . . . 11
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5 Catalogue **26**

6 References **26**

7 History **27**
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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.

1 User interface **1**

2 Implementation **2**

3 Installation **3**
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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 Catalogue **4**

5 History **5**
[2006/12/02 v1.0] . . . 5
[2007/05/06 v1.1] . . . 5
[2007/11/11 v1.2] . . . 5

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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**
1.1 Introduction . . . 1
1.2 Usage . . . 2
1.3 Limitations . . . 2
1.3.1 Other file dependencies . . . 2
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1.3.3 Summary . . . 3
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4 Catalogue **7**

5 References **7**

6 History **7**
[2008/07/14 v1.0] . . . 7

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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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1.1 User interface . . . 2
1.2 Supported encodings . . . 3

2 Implementation **4**
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2.4 Encoding aliases . . . 17
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3.3 Removal of byte order marks . . . 87

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[2008/10/27 v1.6] . . . 91
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[2010/03/01 v1.8] . . . 91
[2011/07/26 v1.9] . . . 92
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The tabularht package

Abstract

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

1 Usage **2**
1.1 Option vlines . . . 2
1.2 Limitations . . . 3
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5 History **16**
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[2006/12/22 v2.3] . . . 17
[2007/03/21 v2.4] . . . 17
[2007/04/11 v2.5] . . . 17

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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.

1 Usage **1**
1.1 Example 2

2 Implementation **2**

3 Installation **3**
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3.5 Some details for the interested 4

4 Catalogue **5**

5 History **5**
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The telprint package

Abstract

Package telprint provides \telprint for formatting German phone numbers.

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1.2 Short overview in English . . . 2
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[2006/02/12 v1.6] . . . 12
[2006/08/26 v1.7] . . . 12
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The thepdfnumber package

Abstract

The package converts real numbers to a minimal representation that is stripped from leading or trailing zeros, plus signs and decimal point if not necessary.

1 Documentation **2**
1.1 Introduction . . . 2
1.2 Usage . . . 2
1.3 User macros . . . 2
1.4 Input number . . . 3
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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 counters 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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