CTAN:macros/latex/contrib/oberdiek/

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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 askinclude package

Abstract

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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

Abstract

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

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The bitset package

Abstract

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2.9 Bit manipulation . . . 27
2.9.1 Clear operation . . . 28
2.9.2 Set operation . . . 29
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2.10.2 \bitsetNextClearBit, \bitsetNextSetBit . . . 32
2.10.3 \bitsetGetSetBitList . . . 35
2.11 Bit set properties . . . 35
2.12 Queries . . . 36

3 Test **38**
3.1 Catcode checks for loading . . . 38
3.2 Macro tests . . . 39
3.2.1 Preamble . . . 39
3.2.2 Time . . . 40
3.2.3 Detection of unwanted space . . . 40
3.2.4 Test macros . . . 40
3.2.5 Test sets . . . 42

4 Installation **57**
4.1 Download . . . 57
4.2 Bundle installation . . . 57
4.3 Package installation . . . 57
4.4 Refresh file name databases . . . 58
4.5 Some details for the interested . . . 58

5 History **58**
[2007/09/28 v1.0] . . . 58

6 Index **58**

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**
1.1 Introduction . . . 2
1.2 Bitmap image parsers . . . 2
1.2.1 User interface . . . 3
1.2.2 Hints . . . 3
1.2.3 Test program . . . 3
1.2.4 Interface for programmers . . . 4
1.3 Improved bitmap inclusion . . . 4

2 Implementation **4**
2.1 Basic package bmpsize-base . . . 4
2.2 Bitmap formats . . . 11
2.2.1 png . . . 11
2.2.2 jpg . . . 12
2.2.3 bmp . . . 20
2.2.4 gif . . . 22
2.2.5 tiff . . . 23
2.2.6 pnm . . . 26
2.2.7 pam . . . 30
2.2.8 xpm . . . 36
2.2.9 tga . . . 41
2.2.10 pcx . . . 42
2.2.11 msp . . . 44
2.2.12 sgi . . . 45
2.3 Package bmpsize . . . 45
2.4 Drivers . . . 48
2.4.1 dvips . . . 48
2.4.2 dvipdfm and dvipdfmx . . . 50
2.5 Test program bmpsize-test.tex . . . 53

3 Installation **55**
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3.2 Bundle installation . . . 55
3.3 Package installation . . . 56
3.4 Refresh file name databases . . . 56
3.5 Some details for the interested . . . 56

4 References **57**
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4.1.2 PNG . . . 57
4.1.3 GIF . . . 57
4.1.4 BMP . . . 57
4.1.5 PCX . . . 57
4.1.6 MSP . . . 57
4.1.7 TIFF . . . 57
4.1.8 TGA . . . 57
4.1.9 SGI . . . 58
4.1.10 WMF . . . 58
4.1.11 XPM . . . 58

5 History **58**
[2006/08/24 v1.0] . . . 58
[2007/02/18 v1.1] . . . 58
[2007/04/11 v1.2] . . . 58
[2007/05/01 v1.3] . . . 58
[2007/11/11 v1.4] . . . 58
[2008/08/11 v1.5] . . . 58
[2009/09/04 v1.6] . . . 58

6 Index **59**

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 **2**
1.1 Introduction . . . 2
1.2 Options . . . 3
1.2.1 Driver options . . . 3
1.2.2 Style options . . . 3
1.2.3 Action options . . . 4
1.2.4 Level options . . . 4
1.3 Compatibility with hyperref . . . 5
1.4 Adding bookmarks at the end . . . 5
1.5 Limitations/ToDos . . . 6

2 Example **6**

3 Implementation **7**
3.1 Package . . . 7
3.1.1 Requirements . . . 8
3.1.2 Package options . . . 8
3.1.3 Action options . . . 11
3.1.4 Option atend . . . 14
3.1.5 Driver setup and loading . . . 14
3.1.6 Compatibility for hyperref . . . 16
3.2 Driver for dvipdfm . . . 16
3.3 Driver for VTEX . . . 19
3.4 Driver for pdfTEX . . . 23
3.5 Drivers with pdfmark specials . . . 25
3.5.1 Driver dvips . . . 25
3.5.2 Driver dvipsone . . . 25
3.5.3 Driver textures . . . 25
3.5.4 Common part . . . 25
3.6 Common part for pdftex and pdfmark . . . 28
3.6.1 Write auxiliary file . . . 28
3.6.2 Read auxiliary data . . . 29
3.7 Option atend . . . 29
3.7.1 Hook . . . 29
3.7.2 Drivers using hooks at end of document . . . 30
3.7.3 Drivers using \AtEndDvi . . . 30

4 Installation **30**
4.1 Download . . . 30
4.2 Bundle installation . . . 31
4.3 Package installation . . . 31
4.4 Refresh file name databases . . . 31
4.5 Some details for the interested . . . 31

5 History **32**
[2007/02/19 v0.1] . . . 32
[2007/02/20 v0.2] . . . 32
[2007/02/21 v0.3] . . . 32
[2007/02/22 v0.4] . . . 32
[2007/03/02 v0.5] . . . 32
[2007/03/03 v0.6] . . . 32
[2007/03/07 v0.7] . . . 33
[2007/04/09 v0.8] . . . 33
[2007/04/25 v0.9] . . . 33
[2007/05/29 v1.0] . . . 33
[2007/07/13 v1.1] . . . 33
[2007/09/25 v1.2] . . . 33
[2008/08/08 v1.3] . . . 33
[2008/09/13 v1.4] . . . 33
[2009/08/13 v1.5] . . . 33
[2009/12/06 v1.6] . . . 33
[2009/12/07 v1.7] . . . 33
[2009/12/17 v1.8] . . . 33

6 Index **34**

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 **1**

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

3 Test **6**
3.1 Catcode checks for loading . . . 6
3.2 LATEX . . . 7
3.3 plain-TEX . . . 8

4 Installation **8**
4.1 Download . . . 8
4.2 Bundle installation . . . 9
4.3 Package installation . . . 9
4.4 Refresh file name databases . . . 9
4.5 Some details for the interested . . . 9

5 History **10**
[2007/05/30 v1.0] . . . 10
[2007/09/09 v1.1] . . . 10
[2007/11/11 v1.2] . . . 10

6 Index **10**

The centernot package

Abstract

This package provides \centernot that prints the symbol \not on the following argument. Unlike \not the symbol is horizontally centered.

1 User interface **1**

2 Implementation **2**

3 Installation **2**
3.1 Download 2
3.2 Bundle installation 3
3.3 Package installation 3
3.4 Refresh file name databases 3
3.5 Some details for the interested 3

4 History **4**
[2006/12/02 v1.0] 4
[2007/05/31 v1.1] 4

5 Index **4**

The chemarr package

Abstract

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

1 Usage **1**
1.1 Example 1

2 Implementation **2**

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

4 History **4**
[2001/06/21 v1.0] 4
[2001/06/22 v1.1] 4
[2006/02/20 v1.2] 4

5 Index **5**

The classlist package

Abstract

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

1 Documentation **1**
1.1 Background 1
1.2 Usage 1

2 Implementation **2**

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

4 History **5**
[2005/06/19 v1.0] 5
[2005/06/19 v1.1] 6
[2006/02/20 v1.2] 6
[2008/08/11 v1.3] 6

5 Index **6**

The colonequals package

Abstract

Package colonequals defines poor man's symbols for math relation symbols such as "colon equals". The colon is centered around the horizontal math axis.

1 User interface **1**
1.1 Introduction . . . 1
1.2 Symbols . . . 2
1.3 Fine tuning . . . 2
1.3.1 Example . . . 3

2 Implementation **3**
2.1 Identification . . . 3
2.2 Distance control . . . 3
2.3 Centered colons . . . 3
2.4 Combined symbols . . . 4

3 Installation **5**
3.1 Download . . . 5
3.2 Bundle installation . . . 5
3.3 Package installation . . . 5
3.4 Refresh file name databases . . . 5
3.5 Some details for the interested . . . 6

4 References **6**

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

6 Index **6**

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 3
3.4 Refresh file name databases 4
3.5 Some details for the interested 4

4 History **4**
[2000/08/31 v1.0] 4
[2006/02/20 v1.1] 4
[2008/08/11 v1.2] 4

5 Index **5**

The embedfile package

Abstract

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

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

2 Implementation **8**
2.1 Reload check and package identification . . . 8
2.2 Catcodes . . . 9
2.3 Tools . . . 9
2.4 Check for recent pdfTeX in PDF mode . . . 10
2.5 Strings . . . 10
2.6 Switches . . . 11
2.7 Key value definitions . . . 12
2.8 Embed the file . . . 18

3 Test **23**
3.1 Catcode checks for loading . . . 23
3.2 Simple test . . . 24

4 Installation **25**
4.1 Download . . . 25
4.2 Bundle installation . . . 25
4.3 Package installation . . . 25
4.4 Refresh file name databases . . . 26
4.5 Some details for the interested . . . 26

5 References **26**

6 History **27**
[2006/08/16 v1.0] . . . 27
[2007/04/11 v1.1] . . . 27
[2007/09/09 v1.2] . . . 27
[2007/10/28 v2.0] . . . 27
[2007/10/29 v2.1] . . . 27
[2007/11/11 v2.2] . . . 27

[2007/11/25 v2.3] 27
[2009/09/25 v2.4] 27

7 Index **28**

The engord package

Abstract

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

1 Usage **1**
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 . . . 6

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

4 Installation **8**
4.1 Download . . . 8
4.2 Bundle installation . . . 9
4.3 Package installation . . . 9
4.4 Refresh file name databases . . . 9
4.5 Some details for the interested . . . 9

5 History **10**
[2000/05/23 v1.0] . . . 10
[2003/04/28 v1.1] . . . 10
[2006/02/20 v1.2] . . . 10
[2007/04/11 v1.3] . . . 10
[2007/04/26 v1.4] . . . 10
[2007/09/09 v1.5] . . . 10
[2007/09/20 v1.6] . . . 11
[2008/08/11 v1.7] . . . 11

6 Index **11**

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 . . . 2
1.3 Usage . . . 3
1.4 Options . . . 3
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 . . . 5

2 Implementation **6**
2.1 Wrapper package . . . 6
2.1.1 Option handling . . . 7
2.2 Base package . . . 7
2.3 Preparations . . . 8
2.3.1 Reload check and identification . . . 8
2.3.2 Catcodes . . . 9
2.3.3 Load packages . . . 9
2.4 Checks . . . 9
2.5 Package loading . . . 10
2.6 Options . . . 10
2.6.1 Default setting . . . 10
2.7 Make and verbose . . . 10
2.8 Adding conversion support . . . 12
2.9 Declare graphics rule . . . 14

3 Test **15**
3.1 Preface for standard catcode check . . . 15
3.2 Catcode checks for loading . . . 15

4 Installation **16**
4.1 Download . . . 16
4.2 Bundle installation . . . 17
4.3 Package installation . . . 17
4.4 Refresh file name databases . . . 17
4.5 Some details for the interested . . . 17

5 History **18**
[2001/01/06 v1.0] . . . 18
[2001/02/04 v1.1] . . . 18
[2006/02/20 v1.2] . . . 18
[2006/08/26 v1.3] . . . 18
[2007/04/26 v1.4] . . . 18
[2007/10/02 v1.5] . . . 19
[2007/11/11 v1.6] . . . 19
[2008/05/06 v1.7] . . . 19
[2009/03/01 v1.8] . . . 19
[2009/07/06 v1.9] . . . 19
[2009/07/07 v1.10] . . . 19
[2009/07/12 v2.0] . . . 19
[2009/07/15 v2.1] . . . 19
[2009/07/16 v2.2] . . . 19
[2009/09/24 v2.3] . . . 20
[2009/10/17 v2.4] . . . 20
[2010/02/09 v2.5] . . . 20

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The etexcmds package

Abstract

New primitive commands are introduced in ε-TEX. Sometimes the names collide with existing macros. This package solves this name clashes by adding a prefix to ε-TEX's commands. For example, ε-TEX's \unexpanded is provided as \etex@unexpanded.

1 Documentation **2**
1.1 \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 . . . 4
2.5 \unexpanded . . . 4
2.6 \expanded . . . 5

3 Test **5**
3.1 Catcode checks for loading . . . 5
3.2 Macro tests . . . 7

4 Installation **8**
4.1 Download . . . 8
4.2 Bundle installation . . . 8
4.3 Package installation . . . 8
4.4 Refresh file name databases . . . 9
4.5 Some details for the interested . . . 9

5 History **9**
[2007/05/06 v1.0] . . . 9
[2007/09/09 v1.1] . . . 9
[2007/12/12 v1.2] . . . 9
[2010/01/28 v1.3] . . . 9

6 Index **10**

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 **2**

3 Installation **5**
3.1 Download . . . 5
3.2 Bundle installation . . . 6
3.3 Package installation . . . 6
3.4 Refresh file name databases . . . 6
3.5 Some details for the interested . . . 6

4 History **7**
[2007/02/18 v0.1] . . . 7
[2007/03/07 v0.2] . . . 7
[2007/03/31 v0.3] . . . 7
[2007/09/30 v0.4] . . . 7

5 Index **7**

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.

1 Documentation **1**
1.1 Macros . . . 1
1.2 Options . . . 2

2 Implementation **2**
2.1 Options . . . 4
2.2 \GetTitleString . . . 4
2.2.1 Expand method . . . 5
2.2.2 Non-expand method . . . 5

3 Test **7**
3.1 Catcode checks for loading . . . 7
3.2 Test of non-expand method . . . 8

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

5 References **10**

6 History **11**
[2009/12/08 v1.0] . . . 11
[2009/12/12 v1.1] . . . 11
[2009/12/13 v1.2] . . . 11
[2009/12/18 v1.3] . . . 11

7 Index **11**

The grfext package

Abstract

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

1 Documentation **2**
1.1 Introduction . . . 2
1.2 User interface . . . 2
1.3 Package loading . . . 2
1.4 plain-TEX . . . 2

2 Implementation **3**
2.1 Relead check and identification . . . 3
2.2 Catcodes . . . 4
2.3 plain-TEX . . . 4
2.4 Add . . . 4
2.5 Check . . . 5
2.6 Remove . . . 6
2.7 Print . . . 6

3 Test **7**
3.1 Catcode checks for loading . . . 7
3.2 Macro tests . . . 8
3.2.1 Preamble . . . 8
3.2.2 Detection of unwanted space . . . 8
3.2.3 Generic test macros . . . 8
3.2.4 Test for \AppendGraphicsExtensions . . . 9
3.2.5 Test for \PrependGraphicsExtensions . . . 9
3.2.6 Test for \RemoveGraphicsExtensions . . . 10

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

5 References **12**

6 History **12**
[2007/09/30 v1.0] . . . 12

7 Index **12**

The grffile package

Abstract

The package extends the file name processing of package graphics to support a larger range of file names. For example, the file name may contain several dots. Or in case of pdfTeX in PDF mode the file name may contain spaces.

1 Usage **2**
1.1 Option multidot . . . 2
1.2 Option babel . . . 2
1.3 Option extendedchars . . . 2
1.4 Option encoding . . . 3
1.4.1 Option inputencoding . . . 3
1.4.2 Option filenameencoding . . . 3
1.4.3 Example . . . 3
1.5 Option space . . . 3
1.6 General use . . . 4
1.7 Default settings . . . 4

2 Implementation **4**
2.1 Identification . . . 4
2.2 Catcode stuff . . . 4
2.3 Options . . . 5

3 Test **9**
3.1 Multidot with default rule . . . 9

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

5 References **12**

6 History **12**
[2004/07/18 v0.5] . . . 12
[2006/08/15 v1.0] . . . 12
[2006/08/17 v1.1] . . . 12
[2006/11/30 v1.2] . . . 12
[2007/04/11 v1.3] . . . 12
[2007/06/13 v1.4] . . . 12
[2007/08/16 v1.5] . . . 12
[2007/11/11 v1.6] . . . 12
[2007/11/24 v1.7] . . . 12
[2008/08/11 v1.8] . . . 13
[2008/10/13 v1.9] . . . 13

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

7 Index **13**

The holtxdoc package

Abstract

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

1 No usage **2**

2 Implementation **2**
2.1 Help macros . . . 2
2.2 History . . . 2
2.3 Formatting macros . . . 3
2.4 Names . . . 4
2.5 Setup . . . 5
2.5.1 Package doc . . . 5
2.5.2 Page layout . . . 5

3 Installation **5**
3.1 Download . . . 5
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**
[1999/06/26 v0.3] . . . 7
[2000/08/14 v0.4] . . . 7
[2001/08/27 v0.5] . . . 7
[2001/09/02 v0.6] . . . 7
[2006/06/02 v0.7] . . . 7
[2007/10/21 v0.8] . . . 7
[2007/11/11 v0.9] . . . 7
[2007/12/12 v0.10] . . . 7
[2008/08/11 v0.11] . . . 7
[2009/08/07 v0.12] . . . 7
[2009/12/02 v0.13] . . . 7
[2010/02/03 v0.14] . . . 7

5 Index **7**

The hycolor package

Abstract

Package hycolor implements the color option stuff that is used by packages hyperref and bookmark. It is not intended as package for the user.

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

2 Implementation **3**
2.1 Normalization . . . 3
2.1.1 Sanitize value of color option . . . 3
2.1.2 Normalize result . . . 4
2.2 Main algorithm for color options . . . 5
2.3 Package bookmark . . . 5
2.4 Utils . . . 7
2.5 Package hyperref . . . 8
2.5.1 Options Hyp.*color . . . 8
2.5.2 Generic algorithm . . . 10
2.5.3 Field options . . . 12
2.5.4 Detection for naked RGB values . . . 12
2.5.5 Options *bordercolor . . . 14
2.6 Package attachfile2 . . . 15
2.7 Patch for package xcolor . . . 17
2.7.1 Fix fragile \@frameb@x . . . 20

3 Test **20**
3.1 Test for package attachfile2 . . . 25
3.2 Test for package xcolor . . . 27
3.2.1 Test for \@frameb@x/\fbox . . . 28

4 Installation **28**
4.1 Download . . . 28
4.2 Bundle installation . . . 28
4.3 Package installation . . . 28
4.4 Refresh file name databases . . . 29
4.5 Some details for the interested . . . 29

5 History **29**
[2007/04/09 v1.0] . . . 29
[2007/04/11 v1.1] . . . 30
[2008/07/29 v1.2] . . . 30
[2008/08/01 v1.3] . . . 30
[2008/09/08 v1.4] . . . 30
[2009/10/02 v1.5] . . . 30
[2009/12/12 v1.6] . . . 30

6 Index **30**

The hypbmsec package

Abstract

This package expands the syntax of the sectioning commands. If the argument of the sectioning commands isn't usable as outline entry, a replacement for the bookmarks can be given.

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

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The hypdestopt package

Abstract

Package hypdestopt supports hyperref's pdftex driver. It removes unnecessary destinations and shortens the destination names or uses numbered destinations to get smaller PDF files.

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The hypdoc package

Abstract

This package adds hyper features to the package doc that is used in the documentation system of LaTeX 2ε. Bookmarks are added and references are linked as far as possible.

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The hypgotoe package

Abstract

Experimental package for links to embedded files.

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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.

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The ifdraft package

Abstract

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

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The iflang package

Abstract

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The ifluatex package

Abstract

This package looks for 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.

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2 Implementation **2**
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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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The ifvtex package

Abstract

This package looks for VTEX, implements and sets the switches \ifvtex, \ifvtex⟨*mode*⟩, \ifvtexgex. It works with plain or LATEX formats.

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The infwarerr package

Abstract

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

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The inputenx package

Abstract

This package provides input encodings using standard mappings and covers nearly all slots. Thus it serves as more uptodate replacement for package inputenc.

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The intcalc package

Abstract

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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 LaTeX kernel into a separate namespace and also provides them for other formats such as plain-TeX.

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The luacolor package

Abstract

Package luacolor implements color support based on LuaTeX's node attributes.

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1.2 Usage . . . 2

2 Implementation **2**
2.1 Catcodes and identification . . . 2
2.2 Check for LuaTeX . . . 3
2.3 Check for disabled colors . . . 3
2.4 Find driver . . . 3
2.5 Attribute setting . . . 4
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3.3 Short test for plain-TeX . . . 9

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The luatex package

Abstract

This package manages the new and extended features and resources that LuaTeX provides. Examples are attributes and catcode tables.

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1.1.2 plain-TeX . . . 2
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1.2.2 Insertions . . . 3
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The magicnum package

Abstract

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

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1.3 Data . . . 3
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1.3.2 Category etex.grouptype . . . 3
1.3.3 Category etex.iftype . . . 4
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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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4 History **4**
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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 . . . 2
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
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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
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2.3.1 Check package luacolor . . . 5
2.3.2 Check PDF mode . . . 5
2.3.3 Check version of pdfTeX . . . 5
2.3.4 Check `pdftex.def` . . . 6
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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 **1**
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 **2**
3.1 Identification . . . 2
3.2 Load package pdfcol . . . 3
3.3 Color stack for footnotes . . . 3
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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2.1.3 poemscol/marn.sty, poemscol/newmarn.sty . . . 6
2.1.4 refman/refart.cls, refnam/refrep.cls . . . 7
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 **1**
1.1 Option rulebetweencolor . . . 2
1.2 Future . . . 2

2 Implementation **2**
2.1 Identification . . . 2
2.2 Load and fix package parallel . . . 2
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2.4 Redefinitions . . . 7

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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
2.2.2 Package pdfcol . . . 3
2.2.3 Package infwarerr . . . 3
2.3 Color stack macros . . . 3
2.4 Patches . . . 3
2.4.1 Init stacks . . . 3
2.4.2 Switch stack . . . 4
2.4.3 Set current stack color . . . 4

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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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1.2 Usage . . . 2
1.2.1 Special characters . . . 3
1.2.2 \nopdfcrypt . . . 3
1.2.3 Configuration file . . . 3
1.2.4 Support for plain-TEX . . . 3
1.3 Hints for pdfTEX . . . 3

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The pdfescape package

Abstract

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

1 Documentation **2**
1.1 Additional unescape macros . . . 2
1.2 Sanitizing macro . . . 3

2 Implementation **3**
2.1 Reload check and package identification . . . 3
2.2 Catcodes . . . 4
2.3 Sanitizing . . . 4
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2.3.2 Space normalization . . . 5
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2.5 \EdefUnescapeString . . . 7
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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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1.2 Caveat . . . 2
1.3 Requirements . . . 2
1.4 Usage . . . 2

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2.3.2 Driver xetex . . . 3
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2.4.1 pdfTeX . . . 4
2.4.2 PostScript driver . . . 5
2.4.3 Driver dvipdfm . . . 5
2.5 Driver independent stuff . . . 6

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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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2.2 Enable color support of LaTeX . . . 7
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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 . . . 2
1.2 Macros . . . 3
1.2.1 Additional macro: \pdf@isprimitive . . . 4
1.2.2 Experimental . . . 4

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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.

1 User interface **2**
1.1 Introduction . . . 2
1.2 Options . . . 2
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3.5 Some details for the interested . . . 8

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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.

1 User interface **1**
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1.2 Setup . . . 2
1.3 Symbol list . . . 2

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2.4.9 Color warning . . . 7
2.5 Box drawing, light single lines . . . 7
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3.5 Some details for the interested . . . 27

4 References **28**

5 History **28**
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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 **1**
1.1 Setting counters . . . 1
1.2 Expandable commands . . . 2
1.3 Undefined references . . . 2
1.4 Notes . . . 3

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The rerunfilecheck package

Abstract

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

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1.2 Interface for class/package authors . . . 2

2 Implementation **3**
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2.4 Rerun check . . . 6

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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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2 Implementation **3**

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

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5 Acknowledgement **10**

6 History **10**
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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**
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1.2 Preambles . . . 2
1.2.1 Class scrartcl . . . 2
1.2.2 Classes scrreprt and scrbook . . . 2

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4 History **7**
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The selinput package

Abstract

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

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

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The setouterhbox package

Abstract

If math stuff is set in an \hbox, then TeX performs some optimization and omits the implicite penalties \binoppenalty and \relpenalty. This packages tries to put stuff into an \hbox without getting lost of those penalties.

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

2 Implementation **3**
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2.3 Main part . . . 5
2.4 Environment support . . . 8
2.5 Option hyperref . . . 8

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[2007/04/26 v1.5] . . . 13
[2007/05/17 v1.6] . . . 13
[2007/09/09 v1.7] . . . 13

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The settobox package

Abstract

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

1 Usage **1**
1.1 Get box dimensions . . . 1
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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[2006/02/20 v1.2] . . . 7
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[2008/08/11 v1.4] . . . 8

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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**
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2.2 Catcodes . . . 3
2.3 Loading packages . . . 4
2.3.1 plain-TeX . . . 4
2.3.2 LaTeX . . . 5
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2.5 Redefinition of \SOUL@eval . . . 6
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2.6.1 Help strings . . . 9
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2.6.3 Support for utf8x.def . . . 10
2.7 Actions for UTF-8 sequences . . . 10
2.7.1 Redefinition of \SOUL@splittoken . . . 11
2.8 Patches . . . 12

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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 . . . 3
3.5 Some details for the interested . . . 4

4 History **4**
[2006/12/02 v1.0] . . . 4
[2007/05/06 v1.1] . . . 4
[2007/11/11 v1.2] . . . 4

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The stampinclude package

Abstract

The package replaces `\includeonly` and selects the files for `\include` by inspecting the time stamp of the `.aux` file. The file is selected for inclusion if the `.aux` file does not yet exist or is older than the corresponding `.tex` file.

1 Documentation **1**
1.1 Introduction . . . 1
1.2 Usage . . . 2
1.3 Limitations . . . 2
1.3.1 Other file dependencies . . . 2
1.3.2 `\include` dependencies . . . 2
1.3.3 Summary . . . 3
1.4 Requirements . . . 3

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3.4 Refresh file name databases . . . 5
3.5 Some details for the interested . . . 5

4 References **6**

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

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The stringenc package

Abstract

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

1 Documentation **2**
1.1 User interface . . . 2
1.2 Supported encodings . . . 3

2 Implementation **3**
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2.2 Catcodes . . . 5
2.3 Tools . . . 5
2.4 Encoding aliases . . . 16
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3.2.7 DEC-MCS . . . 80
3.3 Removal of byte order marks . . . 81

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4.5 Some details for the interested . . . 83

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The tabularht package

Abstract

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

1 Usage **1**
1.1 Option vlines . . . 2
1.2 Limitations . . . 3
1.3 Compatibility . . . 3
1.4 Examples . . . 3
1.4.1 Example 1 . . . 3
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2.4 Driver pdftex . . . 7
2.5 DVI drivers . . . 11

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[2006/02/20 v2.2] . . . 15
[2006/12/22 v2.3] . . . 15
[2007/03/21 v2.4] . . . 15
[2007/04/11 v2.5] . . . 15

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

4 History **4**
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The telprint package

Abstract

Package telprint provides \telprint for formatting German phone numbers.

1 Documentation **2**
1.1 Introduction . . . 2
1.2 Short overview in English . . . 2
1.2.1 Configuration . . . 2
1.3 Documentation in German . . . 2

2 Implementation **3**
2.1 Reload check and package identification . . . 3
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3 Test **7**
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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.

1 User interface **1**

2 Implementation **2**
2.1 Identification . . . 2
2.2 Initial checks . . . 2
2.2.1 Check for pdfTeX in PDF mode . . . 2
2.2.2 Check pdfTeX version . . . 2
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3.4 Refresh file name databases . . . 5
3.5 Some details for the interested . . . 5

4 History **5**
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The twoopt package

Abstract

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

1 Usage **1**

2 Implementation **2**

3 Installation **3**
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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 History **5**
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[2006/02/20 v1.4] . . . 5
[2008/08/11 v1.5] . . . 5

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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.

1 Documentation **1**
1.1 Example 2

2 Implementation **2**
2.1 Reload check and package identification 2
2.2 Catcodes 3

3 Test **5**
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3.2 Macro tests 7
3.2.1 Test with LaTeX 7
3.2.2 Test with plain-TeX 8

4 Installation **9**
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4.5 Some details for the interested 10

5 History **11**
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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.

1 Introduction **3**
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1.2 Basic idea . . . 3
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2.4 Reference generation . . . 6
2.5 Data extraction . . . 6
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2.7 Declared properties . . . 7
2.8 Wrapper for advanced situations . . . 7
2.9 Counter for unique names . . . 8

3 User interface **8**
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3.3.1 Example . . . 9
3.4 Module totpages . . . 10
3.5 Module runs . . . 10
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3.7 Module counter . . . 11
3.8 Module titleref . . . 11
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