# CTAN:macros/latex/contrib/oberdiek/

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### 2 Packages

### The accsupp package

#### Abstract

Since PDF 1.5 portions of a page can be marked for better accessibility support. For example, replacement texts or expansions of abbreviations can be provided. Package accsupp starts with providing a minimal low-level interface for programmers. Status is experimental.

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# The aliascnt package

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Package aliascnt introduces  $alias\ counters$  that share the same counter register and clear list.

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### The alphalph package

#### Abstract

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

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# The askinclude package

### Abstract

This package replaces  $\$  includeonly by an interactive user interface.

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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  $\varepsilon$ -TEX's if available. Both IATEX and plain-TEX are supported.

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### The atenddvi package

#### Abstract

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

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### The bigintcalc package

#### Abstract

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

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### The bitset package

#### Abstract

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

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### The bmpsize package

#### Abstract

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

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### The bookmark package

#### Abstract

This package implements a new bookmark (outline) organization for package hyperref. Bookmark properties such as style and color can now be set. Other action types are available (URI, GoToR, Named). The bookmarks are generated in the first compile run. Package hyperref uses two runs.

1 Documentation 3
1.1 Introduction
1.2 Options
1.2.1 Options draft and final
1.2.2 Driver options
1.2.3 Layout options
1.2.4 Action options
1.2.5 Level options
1.2.6 Style definitions
1.2.7 Hook support
1.3 Compatibility with hyperref
1.4 Adding bookmarks at the end
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3.1.8 Driver setup and loading
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3.3 Driver for VT <sub>E</sub> X
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3.5 Drivers with pdfmark specials $\dots \dots 3^{4}$
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3.5.2 Driver dvipsone
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3.6 Common part for pdftex and pdfmark
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-	/ / 1	45
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### The catchfile package

#### Abstract

This package catches the contents of a file and puts it in a macro. It requires  $\varepsilon\text{-TEX}$ . Both LATEX and plain-TEX are supported.

1 Documentation	2
2 Implementation	<b>2</b>
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3 Test	7
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3.2 LATEX	9
3.3 plain T <sub>E</sub> X	0
4 Installation 1	${f 2}$
4.1 Download	2
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4.3 Package installation	2
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4.5 Some details for the interested	3
5 Catalogue 1	3
6 History 1	4
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$[2007/09/09 \text{ v}1.1] \dots 1$	4
$[2007/11/11 \text{ v}1.2] \ldots 1$	4
$[2010/03/01 \text{ v}1.3] \dots \dots$	4
	4
[2010/04/28  v1.5]	4
$[2011/03/01 \text{ v}1.6] \dots \dots$	4
[2016/05/16  v1.7]	4
7 Index	4

### 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
	History	4
[20	06/12/02 v1.0]	4
	07/05/31  v1.1]	
[20	[10/03/29  v1.2]	4
[20	11/07/11 v1.3]	5
[20	16/05/16 v1.4]	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 \rightleftharpoons and \rightleftharpoons.

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	4
3.5	Some details for the interested	4
4	Catalogue	4
5	History	5
[20	001/06/21  v1.0]	5
[20	001/06/22  v1.1]	5
[20	$006/02/20 \text{ v}1.2] \dots \dots$	5
[20	016/05/16 v1.3]	5
6	Index	5

# The classlist package

### Abstract

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

Documentation
1 Background
2 Usage
Implementation
Installation
1 Download
2 Bundle installation
B Package installation
4 Refresh file name databases
5 Some details for the interested
Catalogue History
005/06/19 v1.0]
$005/06/19 \text{ v1.1}] \dots \dots$
$006/02/20 \text{ v1.2}] \dots \dots$
008/08/11 v1.3]
011/10/17 v1.4]
016/05/16 v1.5]

### 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
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2.4	Combined symbols	
3	Installation	5
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4	Catalogue	6
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[20	06/08/01 v1.0]	7
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7	Index	7

### 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 $\varepsilon$ -T <sub>E</sub> X	
1.2.2 Without $\varepsilon$ -TeX	
2 Implementation	2
3 Installation	3
3.1 Download	. 3
3.2 Bundle installation	
3.3 Package installation	. 3
3.4 Refresh file name databases	
3.5 Some details for the interested	
4 Catalogue	4
5 History	5
[2000/08/31 v1.0]	. 5
[2006/02/20  v1.1]	. 5
[2008/08/11 v1.2]	. 5
[2016/05/16 v1.3]	
6 Index	5

### The embedfile package

#### ${\bf Abstract}$

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

1 1	Jocumentation	2
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 T <sub>E</sub> X	6
1.5.2	2 Collection example	6
1.6	Package dtx-attach	8
2 I	Implementation	8
2.1	Reload check and package identification	8
2.2	Catcodes	9
2.3	Tools	10
2.4	Check for recent pdfTEX in PDF mode	10
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3.3	Test for ini-T <sub>E</sub> X	24
4 I	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
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7	History																		27
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[20	007/04/11	v1.1]																	27
[20	007/09/09	v1.2]																	27
[20	007/10/28	v2.0]																	27
[20	007/10/29	v2.1]																	27
[20	007/11/11	v2.2																	27
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[20	009/09/25	v2.4]																	28
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[20	011/04/13	v2.6]																	28
[20	016/05/15	v2.7]																	28
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# The engord package

#### Abstract

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

I Usage	2
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2 Implementation	3
2.1 Reload check and identification	. 3
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4 Installation	9
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4.4 Refresh file name databases	. 10
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[2007/04/11  v1.3]	. 12
[2007/04/26  v1.4]	. 12
[2007/09/09  v1.5]	. 12
[2007/09/20  v1.6]	
[2008/08/11  v1.7]	
[2010/03/01  v1.8]	. 12
[2016/05/16  v1.9]	. 12
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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	1
2	Implementation	1
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2.2.	1 Stack for contexts	ó
2.2.2	2 Context user macros	ć
2.3	Symbols	3
2.4	Main user macros	)
2.5	Options	3
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2.7	At end of document	3
3	Installation	)
3.1	Download	)
3.2	Bundle installation	)
3.3	Package installation	)
3.4	Refresh file name databases	)
3.5	Some details for the interested	)
4	References 10	)
<b>5</b> ]	History 10	)
[201	$\frac{2}{01}$ $\frac{2}{07}$ $v1.0$ ]	)
-	6/05/16  v1.1	)
6	Index 11	L

# The eolgrab package

#### ${\bf Abstract}$

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

1 l	Documentation	<b>2</b>
1.1	Examples	2
1.1.1	1 Small LaTeX document as example	4
1.1.2	2 LATEX document with environments	4
1.2	Limitations	4
<b>2</b> ]	Implementation	5
2.1	Reload check and package identification	5
2.2	Catcodes	6
2.3	Resources	6
2.4	Macro \eolgrab	7
3	Test	8
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3.2	Tests for plain TeX	10
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 (	Catalogue	<b>12</b>
6 ]	References	<b>12</b>
7 ]	History	12
	1/01/12 v1.0]	12
•	6/05/16 v1.1]	12
8 ]	Index	13

## 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 I	Documentation	2
1.1	Introduction	2
1.2	Requirements	2
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		5
1.6	Other image formats	6
2 I	mplementation	6
2.1	Wrapper package	6
2.1.1	Option handling	8
2.2	Base package	8
2.3	Preparations	8
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2.5	Package loading	11
2.6	Options	11
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2.7	Make and verbose	11
2.8	Adding conversion support	12
2.9	Declare graphics rule	15
3 T	$\Gamma\!\mathrm{est}$	16
3.1	Preface for standard catcode check	16
3.2	Catcode checks for loading	16
4 I	nstallation	17
4.1	Download	17
4.2	Bundle installation	18
4.3	Package installation	18
4.4	Refresh file name databases	18
4.5	Some details for the interested	18
5 (	Catalogue	19

6	Hist	ory																		19
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	008/0!																			20
	009/03																			20
	009/0'																			20
	009/0'																			20
	009/0'																			20
	009/0'																			21
	009/0'																			21
	009/09																			21
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	016/0!																			21
	016/0																			21
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### The etexcmds package

#### Abstract

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

1	Documentation	<b>2</b>
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	5
2.6	\expanded	5
3	Test	6
3.1	Catcode checks for loading	6
3.2	Macro tests	8
4	Installation	9
4.1	Download	9
4.2	Bundle installation	9
4.3	Package installation	10
4.4	Refresh file name databases	10
4.5	Some details for the interested	10
5	Catalogue	11
	History	11
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201	10/01/28  v1.3	11
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	11/02/16 v1.5]	12
	16/05/16 v1.6]	12
7	Index	12

# The fibnum package

#### Abstract

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

1	Documentation	1
<b>2</b>	Implementation	3
2.1	I Identification	3
2.2		
2.3		
2.4	4 Macros for precalculating values	6
2.5		
3	Test	8
3.1	Catcode checks for loading	8
3.2		
4	Installation	12
4.1	Download	12
4.2	Bundle installation	12
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4.4		
4.5		
5	History	13
[20]	$012/04/08 \text{ v} \cdot 1.0]$	13
-	016/05/16 v1.1]	13
6	Index	13

## 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.

	Documentation	1
1.1	User interface	2
1.2	Requirements	2
1.3	3 ToDo	
2	Implementation	2
3	Installation	5
3.1	Download	5
3.2	Bundle installation	5
3.3	B Package installation	6
3.4	Refresh file name databases	6
3.5	Some details for the interested	6
4	Catalogue	7
5	History	7
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	[007/03/07  v0.2]	
20	007/03/31  v0.3]	7
	007/09/30  v0.4]	
	016/05/16  v0.5]	
6	Index	8

## The gettitlestring package

#### ${\bf Abstract}$

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	2
1.1	Macros	2
1.2		
2	Implementation	2
2.1	Options	4
2.2		
2.2	.1 Expand method	5
2.2	.2 Non-expand method	6
3	Test	7
3.1	Catcode checks for loading	7
3.2	Test of non-expand method	9
4	Installation	10
4.1	Download	10
4.2	Bundle installation	10
4.3	Package installation	10
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# The grfext package

### Abstract

This package provides macros for adding and reordering graphics extensions of package  $\mathsf{graphics}.$ 

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## The grffile package

#### Abstract

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

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# The hobsub package

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# The hologo package

### Abstract

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

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## The holtxdoc package

#### Abstract

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

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## The hopatch package

#### Abstract

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

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## 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
1.1 Summary
2 Implementation
2.1 Normalization
1
2.2 Main algorithm for color options
2.3 Package bookmark
2.4 Utils
2.5 Package hyperref
2.5.1 Options Hyp.*color
2.5.2 Generic algorithm
2.5.3 Field options
2.5.4 Detection for naked RGB values
2.5.5 Options *bordercolor
2.6 Package attachfile2
2.7 Patch for package xcolor
2.7.1 Fix fragile \@frameb@x
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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 L	$J_{f sage}$
1.1	Bookmarks restrictions
1.2	\texorpdfstring
1.3	Sectioning commands
1.4	Places for sectioning strings
1.5	Solution with optional arguments
1.6	Syntax
1.6.1	Star form
1.6.2	Without optional arguments
1.6.3	One optional argument
1.6.4	Two optional arguments
1.6.5	
1.7	Without hyperref
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3 I	nstallation
3.1	Download
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3.3	Package installation
3.4	Refresh file name databases
3.5	Some details for the interested
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	7/03/05  v2.3
	7/04/11  v2.4
	5/05/16  v2.5
6 I	ndex

### 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
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1.2	User commands	2
1.3	Limitations	3
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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.

1.2 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       5         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         3 Installation       9         3.1 Download       9         3.2 Bundle installation       9         3.3 Package installation       10         3.4 Refresh file name databases       10         3.5 Some details for the interested       10         4 Catalogue       11	1 L	Jser interface
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### The hypdoc package

#### Abstract

This package adds hyper features to the package doc that is used in the documentation system of LaTeX  $2_{\mathcal{E}}$ . 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

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

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### The ifluatex package

#### Abstract

This package looks for LuaTeX regardless of its mode and provides the switch  $\ilde{\label{luatex}}$ . Also it makes  $\label{\luatex}$  available if it is not present. It works with plain-TeX or  $\arraycolorgin{array}{c} \arraycolorgin{array}{c} \$ 

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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  $\texttt{\formula}(mode)$ ,  $\texttt{\formats}$ . 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- $T_EX$ .

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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

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This package provides expandable arithmetic operations with integers.

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## The kvdefinekeys package

#### Abstract

Package kvdefinekeys provides  $\kvdefinedkey$  to define keys the same way as keyval's  $\definedkey$ . 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  $\varepsilon$ -TEX and pdfTEX regardless of its mode are required.

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## The ltxcmds package

#### Abstract

The package ltxcmds exports some utility macros from the  $L^aT_EX$  kernel into a separate namespace and also provides them for other formats such as plain- $T_EX$ .

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## The luacolor package

### Abstract

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

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## The luatex package

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This package manages the new and extended features and resources that  ${\tt LUATEX}$  provides. Examples are attributes and catcode tables.

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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 \mathclose delimiters without the additional space of an inner formula.

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## The pagegrid package

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The  $\LaTeX$  package prints a page grid in the background.

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## The pagesel package

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Single pages or page areas can be selected for output.

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### The pdfcol package

#### Abstract

Since version 1.40 pdfTeX supports color stacks. The driver file pdftex.def for package color defines and uses a main color stack since version v0.04b. Package pdfcol is intended for package writers. It defines macros for setting and maintaining new color stacks.

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## The pdfcolfoot package

#### Abstract

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

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## The pdfcolmk package

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## The pdfcolparallel package

#### Abstract

This packages fixes bugs in parallel and improves color support by using several color stacks that are provided by pdfTeX since version 1.40.

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## The pdfcolparcolumns package

#### Abstract

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

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2	Implementation
2.1	Identification
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# The pdfcrypt package

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## The pdfescape package

#### Abstract

This package implements pdfTEX's escape features (\pdfescapehex, \pdfunescapehex, \pdfescapename, \pdfescapestring) using TEX or  $\varepsilon$ -TEX.

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## The pdflscape package

### Abstract

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

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## The 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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## The pdftexcmds package

### Abstract

LuaTeX provides most of the commands of pdfTeX 1.40. However a number of utility functions are removed. This package tries to fill the gap and implements some of the missing primitive using Lua.

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## The picture package

### Abstract

There are macro and environment arguments that expect numbers that will internally be multiplicated with \unitlength. This package extends the syntax of these arguments that dimens with calculation support can be added for these arguments.

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## The pmboxdraw package

### Abstract

Package pmboxdraw declares box drawings characters of old code pages, e.g. cp437. It uses rules instead of using a font.

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### The protecteddef package

#### Abstract

This packages provides \ProtectedDef for defining robust macros for both plain  $T_EX$  and  $I_FT_EX$ . First  $\varepsilon$ - $T_EX$ 's \protected is tried, then  $I_FT_EX$ 's \DeclareRobustCommand is used. Otherwise the macro is not made robust.

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3.2	Test without LATEX and \protected	8
4	Installation	11
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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	Catalogue	12
<b>6</b>	History	13
	[1/01/31  v1.0]	13
-	16/05/16 v1.1]	
7	Index	13

### The refcount package

#### Abstract

References are not numbers, however they often store numerical data such as section or page numbers. \ref or \pageref cannot be used for counter assignments or calculations because they are not expandable, generate warnings, or can even be links. The package provides expandable macros to extract the data from references. Packages hyperref, nameref, titleref, and babel are supported.

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1.1	Setting counters	2
1.2	Expandable commands	2
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	$\frac{1}{8}/08/11 \text{ v3.1}] \dots \dots$	
L	20/12/01  v3.2	
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[20	11/10/16	v3.4]																			20
$\lfloor 20$	011/06/22	v3.3																			20

## The rerunfilecheck package

### Abstract

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

1	Documentation	<b>2</b>
1.1	Options	2
1.2	Interface for class/package authors	2
2 ]	Implementation	3
2.1	Options	4
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6 I	History	12
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	09/12/18 v1.2]	12
[201]	[0/01/25  v1.3]	13
[201]	1.0/02/22  v1.4]	13
[201]	[0/03/15  v1.5]	13
[201	1.0/03/16 v1.6]	13
[201	1/04/15  v1.7]	13
	16/05/16 v1.8]	13
7 ]	Index	13

### 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.

1 Documentation	1
1.1 Options	. 2
1.2 Options for packages amsmath or graphics	. 2
2 Implementation	3
3 Test	8
3.1 Catcode checks for loading	. 8
4 Installation	9
4.1 Download	. 9
4.2 Bundle installation	. 10
4.3 Package installation	. 10
4.4 Refresh file name databases	. 10
4.5 Some details for the interested	. 10
5 Catalogue	11
6 Acknowledgement	11
7 History	11
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[2009/12/05 v1.1]	
[2010/03/01 v1.2]	. 11
[2016/05/16 v1.3]	. 12
8 Index	12

# The rotchiffre package

### ${\bf Abstract}$

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

1 I	Documentation	<b>2</b>
1.1	Motivation	2
1.2	Usage	2
1.2.1	Examples	2
2 I	mplementation	3
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2.6.2	2 ROT5	7
2.6.3	B ROT18	7
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2.8	\RotCh@rot without big char support	8
<b>3 1</b>	Test	8
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3.2.1		10
3.2.2		13
3.2.3	8 ROT5	13
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3.2.5	6 ROT47	13
3.2.6	Big chars	14
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6 F	References	16

7	History																	17
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### The scrindex package

### Abstract

This package redefines environment 'theindex' of package index, if a class from KOMA-Script is loaded. Also option idxtotoc is supported. Index preambles can be given either by means of package index or via the interface provided by KOMA-Script.

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1.2 Preambles	. 2
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3.2 Bundle installation	. 6
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3.4 Refresh file name databases	. 7
3.5 Some details for the interested	
4 Catalogue	7
5 History	8
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[2008/08/11 v1.1]	
[2016/05/16 v1.2]	
6 Index	8

## 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	3
3	Test	7
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4.5	Some details for the interested	10
5	Catalogue	11
6	References	11
	History	11
[20	07/06/16 v1.0]	11
	07/06/20  v1.1]	
[20	07/09/09  v1.2]	11
[20	16/05/16 v1.3]	12
	016/05/17 v1.4]	
8	Index	12

### 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
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C	Defende	10
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	History	14
-	05/10/05  v1.0	
	05/10/07  v1.1	
L	05/10/18  v1.2]	14
	06/02/12  v1.3	
L	06/08/26  v1.4]	14
	07/04/26  v1.5]	
	07/05/17  v1.6]	14
	07/09/09 v1.7]	14
[20]	16/05/16 v1.8]	14
8	Index	14

# The settobox package

### Abstract

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

1 L	$ m J_{f sage}$	2
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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
2 I	mplementation	4
3 I	nstallation	6
3.1	Download	6
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3.3	Package installation	6
3.4	Refresh file name databases	7
3.5	Some details for the interested	7
4 (	Catalogue	7
	History	8
[2000	0/02/11 v1.0]	8
	0/09/07  v1.1]	
[2006	5/02/20  v1.2]	8
[2007	7/04/11  v1.3]	8
[2008	8/08/11 v1.4]	8
	5/05/16  v1.5]	
6 I	ndex	9

## 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.

	<b>Documentation</b>	2
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1.2	Future	2
2 I:	mplementation	2
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2.2	Catcodes	4
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2.3.2	I₽T <sub>E</sub> X	5
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2.7	Actions for UTF-8 sequences	11
2.7.1	Redefinition of \SOUL@splittoken	12
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3 T	Cest	15
3.1	Catcode checks for loading	15
3.2	LATEXtests	16
3.2.1	Driver definitions	17
3.2.2	Test macros	19
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7	History																	25
[20]	007/09/09 v1.0]																	25
[20	016/05/16 v1.1]															•		25
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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
3.1	Download	3
3.2		
3.3	Package installation	3
3.4		
3.5	Some details for the interested	4
4	Catalogue	4
5	History	5
[20	006/12/02 v1.0]	5
	007/05/06  v1.1]	
	[007/11/11  v1.2]	
	016/05/16 v1.3]	
6	Index	6

### 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
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1.3.3 Summary	3
1.4 Requirements	3
2 Implementation	3
3 Installation	5
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3.3 Package installation	5
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3.5 Some details for the interested	6
4 Catalogue	6
5 References	7
6 History	7
[2008/07/14 v1.0]	7
[2016/05/16 v1.1]	
7 Index	7

### 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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1.2	Supported encodings	
2 I	mplementation	4
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3.2.6	KOI8-R	81
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20	007/09/09	v1.2].																86
[20	007/10/22	v1.3].																86
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# The tabularht package

### ${\bf Abstract}$

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

1 U	$ m J_{f sage}$	<b>2</b>
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1.3	Compatibility	3
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	mplementation	4
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4 (	Catalogue	15
5 F	History	15
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	5/10/18 v2.1]	15
	6/02/20  v2.2]	16
	6/12/22  v2.3	16
-	7/03/21  v2.4]	16
		16
-	7/04/11 v2.5]	16
[2010	6/05/16 v2.6]	10
6 I	ndex	16

## The tabularkv package

### Abstract

This package adds a key value interface for tabular by the new environment tabularkv. Thus the  $T_E X$  source code looks better by named parameters, especially if package tabularht is used.

Ι	implementation
Ι	nstallation
	Download
	Bundle installation
	Package installation
	Refresh file name databases
	Some details for the interested
(	Catalogue
	History
0	5/09/22  v1.0]
	6/02/20  v1.1]
1	6/05/16  v1.2

# The telprint package

### Abstract

Package telprint provides  $\texttt{\telprint}$  for formatting German phone numbers.

1 L	Documentation	<b>2</b>
1.1	Introduction	2
1.2	Short overview in English	
1.2.1	Configuration	2
	Documentation in German	2
2 I	mplementation	3
2.1	Reload check and package identification	3
2.2	Catcodes	
	Package macros	5
3 T	$\Gamma\!\!$ est	7
3.1	Catcode checks for loading	7
4 I	nstallation	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 C	Catalogue	10
6 H	History	11
[1996	$6/11/28 \text{ v} \cdot 1.0]$	11
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[1997]	7/10/16  v1.2]	11
[1997]	7/12/09  v1.3]	11
[2004]	4/11/02 v1.4]	11
[2005]	5/09/30  v1.5]	11
[2006]	6/02/12  v1.6]	11
[2006]	6/08/26 v1.7]	12
	7/04/11 v1.8]	12
[2007]	7/09/09  v1.9]	12
	8/08/11 v1.10]	12
[2016	6/05/16  v1.11]	12
7 I	ndex	12

## 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 D	Occumentation Company of the Company	2
1.1	Introduction	2
1.2	Usage	2
1.3	User macros	2
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1.5	Error handling	3
2 I	mplementation	4
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2.5	User macro \thepdfnumber	6
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2.5.2		
2.5.3		9
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2.6.3		13
3 T	Pest	14
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3.2.2		17
3.2.3		
3.2.4		18
4 I	nstallation	19
	Download	_
	Bundle installation	
4.3	Package installation	
4.4	Refresh file name databases	
4.5	Some details for the interested	20
5 E	<b>listory</b>	20
	./11/24 v1.0]	20
	5/05/16  v1.1]	$\frac{20}{20}$
6 I	ndex	20

### 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	
2.2.1 Check for pdfTEX in PDF mode	
2.2.2 Check pdfT <sub>E</sub> X version	
2.3 Transparency	
3 Installation	4
3.1 Download	4
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3.4 Refresh file name databases	
3.5 Some details for the interested	
4 Catalogue	6
5 History	6
[2007/01/08 v1.0]	6
[2016/05/16 v1.1]	6
6 Index	6

## The twoopt package

### Abstract

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

2	Implementation
3	Installation
3.1	Download
3.2	Bundle installation
3.3	Package installation
.4	Refresh file name databases
5.5	Some details for the interested
	History
	History
19	History 98/10/30 v1.0]
19 19	History
19 19	History 98/10/30 v1.0]
19 19 19	History 98/10/30 v1.0]
19 19 19 19	History 98/10/30 v1.0]

### 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.

1 I	Documentation	2
1.1	Example	2
2 I	mplementation	2
2.1	Reload check and package identification	2
	Catcodes	
<b>3 1</b>	Cest	6
3.1	Catcode checks for loading	6
3.2	Macro tests	
3.2.1	Test with LATEX	8
3.2.2	Test with plain-TeX	9
4 I	nstallation	10
4.1	Download	10
4.2	Bundle installation	
4.3	Package installation	11
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4.5	Some details for the interested	11
5 (	Catalogue	12
6 F	History	12
[2009	9/09/11 v1.0]	12
	9/12/18  v1.1]	
-	1/01/30  v 1.2]	
-	5/05/16 v1.3]	
7 I	ndex	13

### 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 I	ntroduction 4
1.1	Standard LATEX behaviour
1.2	Basic idea
1.3	Interfaces
2 I	nterface for programmers 5
2.1	Entities
2.2	Property list
2.3	Property
2.4	Reference generation
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2.7	Declared properties
2.8	Wrapper for advanced situations
2.9	Counter for unique names
3 L	Jser interface 10
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3.3	Module lastpage
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3.4	Module thepage
3.5	Module nextpage
3.5.1	
3.5.2	
3.6	Module totpages
3.7	Module pagelayout
3.8	Module marks
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	Module savepos
	Module dotfill
	Module env
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