

# CTAN:macros/latex/contrib/oberdiek/

Heiko Oberdiek  
<[oberdiek@uni-freiburg.de](mailto:oberdiek@uni-freiburg.de)>

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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

## Abstract

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# The alphalph package

## Abstract

The package provides the new expandable commands `\alphalph` and `\AlphAlph`. They are like `\number`, but the expansion consists of lowercase and uppercase letters respectively.

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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  $\LaTeX$  and plain-TeX are supported.

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# The atenddvi package

## Abstract

L<sup>A</sup>T<sub>E</sub>X offers `\AtBeginDvi`. This package `atenddvi` provides the counterpart `\AtEndDvi`. The execution of its argument is delayed to the end of the document at the end of the last page. Thus `\special` and `\write` remain effective, because they are put into the last page. This is the main difference to `\AtEndDocument`.

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# The attachfile2 package

## Abstract

This package can be used to attach files to a PDF document. It is a further development of Scott Pakin's package `attachfile` for pdfTeX. Apart from bug fixes, package `attachfile2` adds support for `dvips`, some new options, gets and writes meta information data about the attached files.

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# The auxhook package

## Abstract

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

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# The bmpsize package

## Abstract

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

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# The bookmark package

## Abstract

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

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3.6	Common part for <code>pdftex</code> and <code>pdfmark</code>	27
3.6.1	Write auxiliary file	27
3.6.2	Read auxiliary data	29
3.7	Option <code>atend</code>	29
3.7.1	Hook	29
3.7.2	Drivers using <code>\AtEndDocument</code>	30
3.7.3	Drivers using <code>\AtEndDvi</code>	30

<b>4</b>	<b>Installation</b>	<b>30</b>
4.1	Download . . . . .	30
4.2	Bundle installation . . . . .	30
4.3	Package installation . . . . .	31
4.4	Refresh file name databases . . . . .	31
4.5	Some details for the interested . . . . .	31
<b>5</b>	<b>History</b>	<b>32</b>
[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]	. . . . .	32
[2007/04/09 v0.8]	. . . . .	33
[2007/04/25 v0.9]	. . . . .	33
[2007/05/29 v1.0]	. . . . .	33
[2007/07/13 v1.1]	. . . . .	33
<b>6</b>	<b>Index</b>	<b>33</b>



# The catchfile package

## Abstract

This package catches the contents of a file and puts it in a macro. It requires  $\epsilon$ -TeX. Both L<sup>A</sup>T<sub>E</sub>X and plain-T<sub>E</sub>X are supported.

<b>1</b>	<b>Documentation</b>	<b>1</b>
<b>2</b>	<b>Implementation</b>	<b>2</b>
2.1	Reload check and package identification . . . . .	2
2.2	Catcodes . . . . .	3
2.3	Preparations . . . . .	3
2.4	Looking for primitive <code>\input</code> . . . . .	3
2.5	Input file check . . . . .	4
2.6	Catch file contents . . . . .	5
<b>3</b>	<b>Test</b>	<b>5</b>
3.1	L <sup>A</sup> T <sub>E</sub> X . . . . .	5
3.2	plain-T <sub>E</sub> X . . . . .	6
<b>4</b>	<b>Installation</b>	<b>6</b>
4.1	Download . . . . .	6
4.2	Bundle installation . . . . .	7
4.3	Package installation . . . . .	7
4.4	Refresh file name databases . . . . .	7
4.5	Some details for the interested . . . . .	7
<b>5</b>	<b>History</b>	<b>8</b>
	[2007/05/30 v1.0] . . . . .	8
<b>6</b>	<b>Index</b>	<b>8</b>

# The centernot package

## Abstract

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

<b>1</b>	<b>User interface</b>	<b>1</b>
<b>2</b>	<b>Implementation</b>	<b>2</b>
<b>3</b>	<b>Installation</b>	<b>2</b>
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
<b>4</b>	<b>History</b>	<b>4</b>
[2006/12/02 v1.0]	. . . . .	4
[2007/05/31 v1.1]	. . . . .	4
<b>5</b>	<b>Index</b>	<b>4</b>

# 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`.

<b>1</b>	<b>Usage</b>	<b>1</b>
1.1	Example . . . . .	1
<b>2</b>	<b>Implementation</b>	<b>2</b>
<b>3</b>	<b>Installation</b>	<b>3</b>
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
<b>4</b>	<b>History</b>	<b>4</b>
	[2001/06/21 v1.0] . . . . .	4
	[2001/06/22 v1.1] . . . . .	4
	[2006/02/20 v1.2] . . . . .	4
<b>5</b>	<b>Index</b>	<b>5</b>

# The classlist package

## Abstract

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

<b>1</b>	<b>Documentation</b>	<b>1</b>
1.1	Background . . . . .	1
1.2	Usage . . . . .	1
<b>2</b>	<b>Implementation</b>	<b>2</b>
<b>3</b>	<b>Installation</b>	<b>4</b>
3.1	Download . . . . .	4
3.2	Bundle installation . . . . .	4
3.3	Package installation . . . . .	4
3.4	Refresh file name databases . . . . .	5
3.5	Some details for the interested . . . . .	5
<b>4</b>	<b>History</b>	<b>5</b>
	[2005/06/19 v1.0] . . . . .	5
	[2005/06/19 v1.1] . . . . .	5
	[2006/02/20 v1.2] . . . . .	6
<b>5</b>	<b>Index</b>	<b>6</b>

# 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.

<b>1</b>	<b>User interface</b>	<b>1</b>
1.1	Introduction . . . . .	1
1.2	Symbols . . . . .	2
1.3	Fine tuning . . . . .	2
1.3.1	Example . . . . .	3
<b>2</b>	<b>Implementation</b>	<b>3</b>
2.1	Identification . . . . .	3
2.2	Distance control . . . . .	3
2.3	Centered colons . . . . .	3
2.4	Combined symbols . . . . .	4
<b>3</b>	<b>Installation</b>	<b>5</b>
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
<b>4</b>	<b>References</b>	<b>6</b>
<b>5</b>	<b>History</b>	<b>6</b>
	[2006/08/01 v1.0] . . . . .	6
<b>6</b>	<b>Index</b>	<b>6</b>

# The dvipscol package

## Abstract

Color support for dvips in dvips.def involves the color stack of dvips. The package tries to remove unnecessary uses of the stack to avoid the error “out of color stack space”.

<b>1</b>	<b>Documentation</b>	<b>1</b>
1.1	Introduction . . . . .	1
1.2	Usage . . . . .	2
1.2.1	With $\varepsilon$ -TeX . . . . .	2
1.2.2	Without $\varepsilon$ -TeX . . . . .	2
<b>2</b>	<b>Implementation</b>	<b>2</b>
<b>3</b>	<b>Installation</b>	<b>3</b>
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
<b>4</b>	<b>History</b>	<b>4</b>
[2000/08/31 v1.0]	. . . . .	4
[2006/02/20 v1.1]	. . . . .	4
<b>5</b>	<b>Index</b>	<b>5</b>

# The embedfile package

## Abstract

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

<b>1</b>	<b>Documentation</b>	<b>1</b>
1.1	Introduction . . . . .	1
1.1.1	Future development . . . . .	2
1.2	User interface . . . . .	2
1.3	Examples . . . . .	3
1.3.1	plain-T <sub>E</sub> X . . . . .	3
1.4	Package dtx-attach . . . . .	3
<b>2</b>	<b>Implementation</b>	<b>4</b>
2.1	Reload check and package identification . . . . .	4
2.2	Tools . . . . .	5
2.3	Check for recent pdfT <sub>E</sub> X in PDF mode . . . . .	5
2.4	Key value definitions . . . . .	6
2.5	Embed the file . . . . .	6
<b>3</b>	<b>Installation</b>	<b>9</b>
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
<b>4</b>	<b>References</b>	<b>11</b>
<b>5</b>	<b>History</b>	<b>11</b>
	[2006/08/16 v1.0] . . . . .	11
	[2007/04/11 v1.1] . . . . .	11
<b>6</b>	<b>Index</b>	<b>11</b>

# The engord package

## Abstract

The package generates the suffix of English ordinal numbers. It can be used with plain and L<sup>A</sup>T<sub>E</sub>X formats.

<b>1</b>	<b>Usage</b>	<b>1</b>
1.1	Package options . . . . .	2
1.2	Examples . . . . .	2
<b>2</b>	<b>Implementation</b>	<b>3</b>
2.1	Reload check and identification . . . . .	3
2.2	Help commands for plain compatibility . . . . .	4
2.3	User macros . . . . .	4
2.4	Suffix generation . . . . .	5
<b>3</b>	<b>Installation</b>	<b>7</b>
3.1	Download . . . . .	7
3.2	Bundle installation . . . . .	7
3.3	Package installation . . . . .	7
3.4	Refresh file name databases . . . . .	7
3.5	Some details for the interested . . . . .	8
<b>4</b>	<b>History</b>	<b>8</b>
	[2000/05/23 v1.0] . . . . .	8
	[2003/04/28 v1.1] . . . . .	8
	[2006/02/20 v1.2] . . . . .	8
	[2007/04/11 v1.3] . . . . .	8
	[2007/04/26 v1.4] . . . . .	8
<b>5</b>	<b>Index</b>	<b>9</b>



# 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.

<b>1</b>	<b>Documentation</b>	<b>1</b>
1.1	Requirements . . . . .	1
<b>2</b>	<b>Usage</b>	<b>2</b>
2.1	Configuration . . . . .	2
2.2	Other image formats . . . . .	2
<b>3</b>	<b>Implementation</b>	<b>3</b>
3.1	Relead check and identification . . . . .	3
3.2	Help macros for miniltx mode . . . . .	4
3.3	Checks . . . . .	4
3.4	Adding conversion support . . . . .	5
<b>4</b>	<b>Installation</b>	<b>5</b>
4.1	Download . . . . .	5
4.2	Bundle installation . . . . .	6
4.3	Package installation . . . . .	6
4.4	Refresh file name databases . . . . .	6
4.5	Some details for the interested . . . . .	6
<b>5</b>	<b>History</b>	<b>7</b>
	[2001/01/06 v1.0] . . . . .	7
	[2001/02/04 v1.1] . . . . .	7
	[2006/02/20 v1.2] . . . . .	7
	[2006/08/26 v1.3] . . . . .	7
	[2007/04/26 v1.4] . . . . .	7
<b>6</b>	<b>Index</b>	<b>7</b>

# 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`.

<b>1</b>	<b>Documentation</b>	<b>1</b>
<b>2</b>	<b>Implementation</b>	<b>1</b>
2.1	Reload check and package identification . . . . .	1
2.2	Catcodes . . . . .	2
2.3	Load package <code>infwarerr</code> . . . . .	3
2.4	<code>\unexpanded</code> . . . . .	3
<b>3</b>	<b>Test</b>	<b>3</b>
<b>4</b>	<b>Installation</b>	<b>4</b>
4.1	Download . . . . .	4
4.2	Bundle installation . . . . .	5
4.3	Package installation . . . . .	5
4.4	Refresh file name databases . . . . .	5
4.5	Some details for the interested . . . . .	5
<b>5</b>	<b>History</b>	<b>6</b>
	[2007/04/26 v1.0] . . . . .	6
<b>6</b>	<b>Index</b>	<b>6</b>

# 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.

<b>1</b>	<b>Documentation</b>	<b>1</b>
1.1	User interface . . . . .	1
1.2	Requirements . . . . .	2
1.3	ToDo . . . . .	2
<b>2</b>	<b>Implementation</b>	<b>2</b>
<b>3</b>	<b>Installation</b>	<b>5</b>
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
<b>4</b>	<b>History</b>	<b>6</b>
[2007/02/18 v0.1]	. . . . .	6
[2007/03/07 v0.2]	. . . . .	7
[2007/03/31 v0.3]	. . . . .	7
<b>5</b>	<b>Index</b>	<b>7</b>

# 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.

<b>1</b>	<b>Usage</b>	<b>2</b>
1.1	Option <code>multidot</code>	2
1.2	Option <code>babel</code>	2
1.3	Option <code>extendedchars</code>	2
1.4	Option <code>encoding</code>	2
1.4.1	Option <code>inputencoding</code>	3
1.4.2	Option <code>filenameencoding</code>	3
1.4.3	Example	3
1.5	Option <code>space</code>	3
1.6	General use	4
1.7	Default settings	4
<b>2</b>	<b>Implementation</b>	<b>4</b>
2.1	Identification	4
2.2	Catcode stuff	4
2.3	Options	4
<b>3</b>	<b>Installation</b>	<b>8</b>
3.1	Download	8
3.2	Bundle installation	8
3.3	Package installation	9
3.4	Refresh file name databases	9
3.5	Some details for the interested	9
<b>4</b>	<b>References</b>	<b>10</b>
<b>5</b>	<b>History</b>	<b>10</b>
	[2004/07/18 v0.5]	10
	[2006/08/15 v1.0]	10
	[2006/08/17 v1.1]	10
	[2006/11/30 v1.2]	10
	[2007/04/11 v1.3]	10
	[2007/06/13 v1.4]	10
	[2007/08/16 v1.5]	10
<b>6</b>	<b>Index</b>	<b>10</b>

# 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.

<b>1</b>	<b>No usage</b>	<b>1</b>
<b>2</b>	<b>Implementation</b>	<b>2</b>
2.1	Help macros . . . . .	2
2.2	History . . . . .	2
2.3	Formatting macros . . . . .	2
2.4	Names . . . . .	4
2.5	Setup . . . . .	4
2.5.1	Package doc . . . . .	4
2.5.2	Page layout . . . . .	4
<b>3</b>	<b>Installation</b>	<b>4</b>
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
<b>4</b>	<b>History</b>	<b>6</b>
[1999/06/26 v0.3]	. . . . .	6
[2000/08/14 v0.4]	. . . . .	6
[2001/08/27 v0.5]	. . . . .	6
[2001/09/02 v0.6]	. . . . .	6
[2006/06/02 v0.7]	. . . . .	6
<b>5</b>	<b>Index</b>	<b>6</b>

# 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.

<b>1 Documentation</b>	<b>1</b>
1.1 Summary . . . . .	2
<b>2 Implementation</b>	<b>2</b>
2.1 Normalization . . . . .	2
2.1.1 Sanitize value of color option . . . . .	2
2.1.2 Normalize result . . . . .	3
2.2 Main algorithm for color options . . . . .	5
2.3 Package bookmark . . . . .	5
2.4 Utils . . . . .	7
2.5 Package hyperref . . . . .	7
2.5.1 Options Hyp.*color . . . . .	7
2.5.2 Generic algorithm . . . . .	9
2.5.3 Field options . . . . .	11
2.5.4 Detection for naked RGB values . . . . .	11
2.5.5 Options *bordercolor . . . . .	13
<b>3 Test</b>	<b>14</b>
<b>4 Installation</b>	<b>18</b>
4.1 Download . . . . .	18
4.2 Bundle installation . . . . .	19
4.3 Package installation . . . . .	19
4.4 Refresh file name databases . . . . .	19
4.5 Some details for the interested . . . . .	19
<b>5 History</b>	<b>20</b>
[2007/04/09 v1.0] . . . . .	20
[2007/04/11 v1.1] . . . . .	20
<b>6 Index</b>	<b>20</b>

# 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.

<b>1</b>	<b>Usage</b>	<b>2</b>
1.1	Bookmarks restrictions . . . . .	2
1.2	<code>\texorpdfstring</code> . . . . .	2
1.3	Sectioning commands . . . . .	2
1.4	Places for sectioning strings . . . . .	2
1.5	Solution with optional arguments . . . . .	2
1.6	Syntax . . . . .	3
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 <code>hyperref</code> . . . . .	3
1.8	Protecting parentheses . . . . .	4
<b>2</b>	<b>Implementation</b>	<b>4</b>
<b>3</b>	<b>Installation</b>	<b>7</b>
3.1	Download . . . . .	7
3.2	Bundle installation . . . . .	7
3.3	Package installation . . . . .	7
3.4	Refresh file name databases . . . . .	7
3.5	Some details for the interested . . . . .	8
<b>4</b>	<b>History</b>	<b>8</b>
	[1998/11/20 v1.0] . . . . .	8
	[1999/04/12 v2.0] . . . . .	8
	[2000/03/22 v2.1] . . . . .	8
	[2006/02/20 v2.2] . . . . .	9
	[2007/03/05 v2.3] . . . . .	9
	[2007/04/11 v2.4] . . . . .	9
<b>5</b>	<b>Index</b>	<b>9</b>

# 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.

<b>1 Usage</b>	<b>1</b>
1.1 Package options . . . . .	2
1.2 User commands . . . . .	2
1.3 Limitations . . . . .	2
<b>2 Implementation</b>	<b>2</b>
<b>3 Installation</b>	<b>5</b>
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
<b>4 History</b>	<b>6</b>
[1999/02/13 v1.0] . . . . .	6
[2000/08/14 v1.1] . . . . .	6
[2000/09/07 v1.2] . . . . .	6
[2001/08/27 v1.3] . . . . .	6
[2001/09/06 v1.4] . . . . .	6
[2006/02/20 v1.5] . . . . .	7
[2007/02/19 v1.6] . . . . .	7
[2007/04/09 v1.7] . . . . .	7
<b>5 Index</b>	<b>7</b>



# 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.

<b>1</b>	<b>User interface</b>	<b>2</b>
1.1	Introduction . . . . .	2
1.2	Requirements . . . . .	2
1.3	Use . . . . .	2
1.4	Limitations . . . . .	2
1.5	Future . . . . .	3
<b>2</b>	<b>Implementation</b>	<b>3</b>
2.1	Identification . . . . .	3
2.2	Options . . . . .	3
2.2.1	Option <code>verbose</code> . . . . .	3
2.2.2	Options <code>num</code> and <code>name</code> . . . . .	3
2.3	Check requirements . . . . .	4
2.4	Preamble for auxiliary file . . . . .	4
2.5	Generation of destination names . . . . .	4
2.6	Assign destination names . . . . .	6
2.7	Redefinition of hyperref's hooks . . . . .	6
2.7.1	Destination setting . . . . .	7
2.7.2	Links . . . . .	7
2.7.3	Outlines . . . . .	8
<b>3</b>	<b>Installation</b>	<b>8</b>
3.1	Download . . . . .	8
3.2	Bundle installation . . . . .	9
3.3	Package installation . . . . .	9
3.4	Refresh file name databases . . . . .	9
3.5	Some details for the interested . . . . .	9
<b>4</b>	<b>References</b>	<b>10</b>
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<b>6</b>	<b>Index</b>	<b>10</b>

# The hypdoc package

## Abstract

This package adds hyper features to the package `doc` that is used in the documentation system of  $\text{\LaTeX}2_{\epsilon}$ . Bookmarks are added and references are linked as far as possible.

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# The ifdraft package

## Abstract

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

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1.2	User macros . . . . .	1
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	[2006/02/20 v1.2] . . . . .	5
<b>5</b>	<b>Index</b>	<b>5</b>

# The iflang package

## Abstract

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

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2.4	<code>\IfLanguageName</code> . . . . .	6
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4.5	Some details for the interested . . . . .	11
<b>5</b>	<b>Acknowledgement</b>	<b>11</b>
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	[2007/04/11 v1.1] . . . . .	11
	[2007/04/12 v1.2] . . . . .	11
	[2007/04/26 v1.3] . . . . .	12
<b>7</b>	<b>Index</b>	<b>12</b>

# The ifpdf package

## Abstract

This package looks for pdfTeX in pdf mode and implements and sets the switch `\ifpdf`. The detection is based on `\pdfoutput` and the package will not change this value. It works with plain or L<sup>A</sup>T<sub>E</sub>X formats.

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	[2001/06/14 v1.0] . . . . .	7
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	[2001/09/26 v1.2] . . . . .	7
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	[2006/02/20 v1.4] . . . . .	7
<b>5</b>	<b>Index</b>	<b>7</b>

# The `ifvtex` package

## Abstract

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

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2.3	<code>\ifvtex</code> . . . . .	3
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3.4	Refresh file name databases . . . . .	5
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	[2006/02/20 v1.1] . . . . .	6
	[2007/01/10 v1.2] . . . . .	6
<b>5</b>	<b>Index</b>	<b>6</b>

# The infwarerr package

## Abstract

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

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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 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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<b>10</b>	<b>Index</b>	<b>32</b>

# 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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1.3	Processing key value pairs . . . . .	3
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1.5	Do it all . . . . .	3
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<b>6</b>	<b>History</b>	<b>12</b>
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<b>7</b>	<b>Index</b>	<b>12</b>

# The makerobust package

## Abstract

Package makerobust provides `\MakeRobustCommand` that converts an existing macro to a robust one.

<b>1</b>	<b>User interface</b>	<b>1</b>
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# The pagesel package

## Abstract

Single pages or page areas can be selected for output.

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<b>5 Index</b>	<b>10</b>

# The pdfcolfoot package

## Abstract

Since version 1.40 pdfT<sub>E</sub>X supports several color stacks. This package uses a separate color stack for footnotes that can break across pages.

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# The pdfcolmk package

## Abstract

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

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# The pdfcrypt package

## Abstract

This package supports the setting of pdf encryption options for V<sub>T</sub>E<sub>X</sub> and some older versions of pdfT<sub>E</sub>X.

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	[2001/08/05 v0.5] . . . . .	13
	[2001/08/09 v0.6] . . . . .	14
	[2001/10/28 v0.7] . . . . .	14
	[2006/02/20 v0.8] . . . . .	14
	[2007/04/11 v0.9] . . . . .	14
	[2007/04/26 v1.0] . . . . .	14
<b>5</b>	<b>Index</b>	<b>14</b>

# The pdfescape package

## Abstract

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

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# The pdfscape package

## Abstract

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

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1.2 Caveat . . . . .	2
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2.4.1 pdfTeX . . . . .	4
2.4.2 PostScript driver . . . . .	5
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2.5 Driver independent stuff . . . . .	5
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3.4 Refresh file name databases . . . . .	7
3.5 Some details for the interested . . . . .	7
<b>4 History</b>	<b>8</b>
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[2001/02/04 v0.2] . . . . .	8
[2004/05/11 v0.3] . . . . .	8
[2004/05/12 v0.4] . . . . .	8
[2006/02/20 v0.5] . . . . .	8
[2006/04/24 v0.6] . . . . .	8
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<b>5 Index</b>	<b>9</b>

# The picture package

## Abstract

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

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1.3	Example . . . . .	2
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3.3	Package installation . . . . .	6
3.4	Refresh file name databases . . . . .	7
3.5	Some details for the interested . . . . .	7
<b>4</b>	<b>History</b>	<b>7</b>
	[2006/08/26 v1.0] . . . . .	7
	[2007/04/11 v1.1] . . . . .	7
<b>5</b>	<b>Index</b>	<b>8</b>

# 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.

<b>1</b>	<b>User interface</b>	<b>1</b>
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1.2	Setup . . . . .	2
1.3	Symbol list . . . . .	2
<b>2</b>	<b>Implementation</b>	<b>5</b>
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2.3	Setup . . . . .	5
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2.4.5	U+2590 . . . . .	6
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2.5.3	U+250C . . . . .	8
2.5.4	U+2510 . . . . .	8
2.5.5	U+2514 . . . . .	9
2.5.6	U+2518 . . . . .	9
2.5.7	U+251C . . . . .	9
2.5.8	U+2524 . . . . .	10
2.5.9	U+252C . . . . .	10
2.5.10	U+2534 . . . . .	10
2.5.11	U+253C . . . . .	11
2.6	Box drawing, double lines . . . . .	11
2.6.1	U+2550 . . . . .	11
2.6.2	U+2551 . . . . .	12
2.6.3	U+2552 . . . . .	12
2.6.4	U+2553 . . . . .	12
2.6.5	U+2554 . . . . .	13
2.6.6	U+2555 . . . . .	14
2.6.7	U+2556 . . . . .	14
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2.6.14	U+255D	17
2.6.15	U+255E	18
2.6.16	U+255F	19
2.6.17	U+2560	19
2.6.18	U+2561	20
2.6.19	U+2562	20
2.6.20	U+2563	21
2.6.21	U+2564	21
2.6.22	U+2565	22
2.6.23	U+2566	22
2.6.24	U+2567	23
2.6.25	U+2568	23
2.6.26	U+2569	23
2.6.27	U+256A	24
2.6.28	U+256B	24
2.6.29	U+256C	25
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<b>5</b>	<b>History</b>	<b>28</b>
	[2006/03/14 v1.0]	28
<b>6</b>	<b>Index</b>	<b>28</b>

# 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.

<b>1</b>	<b>Usage</b>	<b>1</b>
1.1	Setting counters . . . . .	1
1.2	Expandable commands . . . . .	2
1.3	Undefined references . . . . .	2
1.4	Notes . . . . .	3
<b>2</b>	<b>Implementation</b>	<b>3</b>
<b>3</b>	<b>Installation</b>	<b>5</b>
3.1	Download . . . . .	5
3.2	Bundle installation . . . . .	5
3.3	Package installation . . . . .	5
3.4	Refresh file name databases . . . . .	6
3.5	Some details for the interested . . . . .	6
<b>4</b>	<b>History</b>	<b>6</b>
[1998/04/08 v1.0]	. . . . .	6
[2000/09/07 v2.0]	. . . . .	7
[2006/02/20 v3.0]	. . . . .	7
<b>5</b>	<b>Index</b>	<b>7</b>



# The selinput package

## Abstract

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

<b>1</b>	<b>Documentation</b>	<b>1</b>
1.1	Introduction . . . . .	1
1.2	User interface . . . . .	2
1.3	Options . . . . .	3
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<b>2</b>	<b>Implementation</b>	<b>3</b>
<b>3</b>	<b>Test</b>	<b>7</b>
<b>4</b>	<b>Installation</b>	<b>9</b>
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4.3	Package installation . . . . .	10
4.4	Refresh file name databases . . . . .	10
4.5	Some details for the interested . . . . .	10
<b>5</b>	<b>References</b>	<b>11</b>
<b>6</b>	<b>History</b>	<b>11</b>
	[2007/06/16 v1.0] . . . . .	11
	[2007/06/20 v1.1] . . . . .	11
<b>7</b>	<b>Index</b>	<b>11</b>

# The `setouterhbox` package

## Abstract

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

<b>1</b>	<b>Documentation</b>	<b>2</b>
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1.2	Acknowledgement . . . . .	2
1.3	Usage . . . . .	2
1.4	Option <code>hyperref</code> . . . . .	3
1.5	Example . . . . .	3
<b>2</b>	<b>Implementation</b>	<b>3</b>
2.1	Package start stuff . . . . .	3
2.2	Main part . . . . .	5
2.3	Environment support . . . . .	7
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<b>3</b>	<b>Installation</b>	<b>8</b>
3.1	Download . . . . .	8
3.2	Bundle installation . . . . .	8
3.3	Package installation . . . . .	9
3.4	Refresh file name databases . . . . .	9
3.5	Some details for the interested . . . . .	9
<b>4</b>	<b>References</b>	<b>10</b>
<b>5</b>	<b>History</b>	<b>10</b>
	[2005/10/05 v1.0] . . . . .	10
	[2005/10/07 v1.1] . . . . .	10
	[2005/10/18 v1.2] . . . . .	10
	[2006/02/12 v1.3] . . . . .	10
	[2006/08/26 v1.4] . . . . .	10
	[2007/04/26 v1.5] . . . . .	10
	[2007/05/17 v1.6] . . . . .	10
<b>6</b>	<b>Index</b>	<b>10</b>

# The settobox package

## Abstract

Commands are defined for getting box sizes similar to L<sup>A</sup>T<sub>E</sub>X's `\settowidth` commands.

<b>1</b>	<b>Usage</b>	<b>1</b>
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
<b>2</b>	<b>Implementation</b>	<b>4</b>
<b>3</b>	<b>Installation</b>	<b>6</b>
3.1	Download . . . . .	6
3.2	Bundle installation . . . . .	6
3.3	Package installation . . . . .	6
3.4	Refresh file name databases . . . . .	7
3.5	Some details for the interested . . . . .	7
<b>4</b>	<b>History</b>	<b>7</b>
[2000/02/11 v1.0]	. . . . .	7
[2000/09/07 v1.1]	. . . . .	7
[2006/02/20 v1.2]	. . . . .	7
[2007/04/11 v1.3]	. . . . .	8
<b>5</b>	<b>Index</b>	<b>8</b>

# 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.

<b>1</b>	<b>User interface</b>	<b>1</b>
<b>2</b>	<b>Implementation</b>	<b>2</b>
<b>3</b>	<b>Installation</b>	<b>3</b>
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
<b>4</b>	<b>History</b>	<b>4</b>
[2006/12/02 v1.0]	. . . . .	4
[2007/05/06 v1.1]	. . . . .	4
<b>5</b>	<b>Index</b>	<b>4</b>

# The stringenc package

## Abstract

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

<b>1</b>	<b>Documentation</b>	<b>2</b>
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1.2	Supported encodings . . . . .	2
<b>2</b>	<b>Implementation</b>	<b>3</b>
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2.2	Catcodes . . . . .	4
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2.5.3	UTF-16LE . . . . .	24
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2.5.8	Other encodings (8 bit) . . . . .	29
<b>3</b>	<b>Test</b>	<b>71</b>
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3.2	Conversion tests . . . . .	73
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3.2.2	ASCII . . . . .	76
3.2.3	PDFDocEncoding . . . . .	76
3.2.4	ISO-8859-1 . . . . .	77
3.2.5	CP1252 . . . . .	77
3.2.6	KOI8-R . . . . .	77
3.2.7	DEC-MCS . . . . .	78
3.3	Removal of byte order marks . . . . .	78
<b>4</b>	<b>Installation</b>	<b>78</b>
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4.3	Package installation . . . . .	79
4.4	Refresh file name databases . . . . .	80
4.5	Some details for the interested . . . . .	80
<b>5</b>	<b>History</b>	<b>81</b>
	[2007/06/14 v1.0] . . . . .	81
	[2007/06/16 v1.1] . . . . .	81



# The tabularht package

## Abstract

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

<b>1</b>	<b>Usage</b>	<b>1</b>
1.1	Option vlines . . . . .	2
1.2	Limitations . . . . .	3
1.3	Compatibility . . . . .	3
1.4	Examples . . . . .	3
1.4.1	Example 1 . . . . .	3
1.4.2	Example 2 . . . . .	3
<b>2</b>	<b>Implementation</b>	<b>4</b>
2.1	Environments . . . . .	4
2.2	Options . . . . .	6
2.3	Option vlines, driver independent stuff . . . . .	7
2.4	Driver pdftex . . . . .	7
2.5	DVI drivers . . . . .	11
<b>3</b>	<b>Installation</b>	<b>13</b>
3.1	Download . . . . .	13
3.2	Bundle installation . . . . .	13
3.3	Package installation . . . . .	14
3.4	Refresh file name databases . . . . .	14
3.5	Some details for the interested . . . . .	14
<b>4</b>	<b>History</b>	<b>15</b>
[2005/09/22 v1.0]	. . . . .	15
[2005/10/16 v2.0]	. . . . .	15
[2005/10/18 v2.1]	. . . . .	15
[2006/02/20 v2.2]	. . . . .	15
[2006/12/22 v2.3]	. . . . .	15
[2007/03/21 v2.4]	. . . . .	15
[2007/04/11 v2.5]	. . . . .	15
<b>5</b>	<b>Index</b>	<b>15</b>

# The tabularkv package

## Abstract

This package adds a key value interface for tabular by the new environment `tabularkv`. Thus the  $\text{\TeX}$  source code looks better by named parameters, especially if package `tabularht` is used.

<b>1</b>	<b>Usage</b>	<b>1</b>
1.1	Example . . . . .	2
<b>2</b>	<b>Implementation</b>	<b>2</b>
<b>3</b>	<b>Installation</b>	<b>3</b>
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
<b>4</b>	<b>History</b>	<b>4</b>
[2005/09/22 v1.0]	. . . . .	4
[2006/02/20 v1.1]	. . . . .	4
<b>5</b>	<b>Index</b>	<b>4</b>



# The telprint package

## Abstract

Package telprint provides `\telprint` for formatting German phone numbers.

<b>1</b>	<b>Documentation</b>	<b>1</b>
1.1	Introduction . . . . .	1
1.2	Short overview in English . . . . .	2
1.2.1	Configuration . . . . .	2
1.3	Documentation in German . . . . .	2
<b>2</b>	<b>Implementation</b>	<b>3</b>
2.1	Reload check and package identification . . . . .	3
<b>3</b>	<b>Installation</b>	<b>6</b>
3.1	Download . . . . .	6
3.2	Bundle installation . . . . .	6
3.3	Package installation . . . . .	7
3.4	Refresh file name databases . . . . .	7
3.5	Some details for the interested . . . . .	7
<b>4</b>	<b>History</b>	<b>8</b>
[1996/11/28 v1.0]	. . . . .	8
[1997/09/16 v1.1]	. . . . .	8
[1997/10/16 v1.2]	. . . . .	8
[1997/12/09 v1.3]	. . . . .	8
[2004/11/02 v1.4]	. . . . .	8
[2005/09/30 v1.5]	. . . . .	8
[2006/02/12 v1.6]	. . . . .	8
[2006/08/26 v1.7]	. . . . .	8
[2007/04/11 v1.8]	. . . . .	8
<b>5</b>	<b>Index</b>	<b>8</b>

# 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.

<b>1</b>	<b>User interface</b>	<b>1</b>
<b>2</b>	<b>Implementation</b>	<b>2</b>
2.1	Identification . . . . .	2
2.2	Initial checks . . . . .	2
2.2.1	Check for pdfTeX in PDF mode . . . . .	2
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# The twoopt package

## Abstract

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

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# The zref package

## Abstract

Package `zref` tries to get rid of the restriction in  $\text{\LaTeX}$ '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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