## The eso-pic package\*

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#### 1 Introduction

This package makes it easy to add some picture commands to every page at absolute positions.

## 2 Usage

See also the example LATEX documents (eso-\*.tex).

# 2.1 Basic commands for adding LaTeX stuff to the page background

\AddToShipoutPictureBG

All the picture commands which are parameters of an \AddToShipoutPictureBG command will be added to the internal macro \ESO@HookIBG. This macro is part of a zero-length picture environment with basepoint at the lower left corner of the page (default) or at the upper left corner (package option "texcoord"). The picture environment will be shipped out at every new page.

\AddToShipoutPictureBG\*

\AddToShipoutPictureFG

\ClearShipoutPictureBG

\ClearShipoutPictureFG

\AddToShipoutPictureFG\*

\AddToShipoutPictureBG\* works like \AddToShipoutPictureBG but only for the current page. It used the internal macro \ESO@HookIIBG which contents will be removed automatically.

For compatibility the macros \AddToShipoutPicture and \AddToShipoutPicture\* are aliases for \AddToShipoutPictureBG and \AddToShipoutPictureBG\*.

Works like \AddToShipoutPictureBG but the picture commands are on the

top oft the normal document content.

A call of \ClearShipoutPictureBG clears the contents of \ESO@HookIBG.

For compatibility the macro \ClearShipoutPicture is an alias for \ClearShipoutPictureBG.

A call of  $\cline{ClearShipoutPictureFG}$  clears the contents of  $\cline{ClearShipoutPictureFG}$ .

Allows a length as parameter to a picture command. Note that this macro is no more necessary when using \usepackage{picture}.

\gridSetup

\LenToUnit

 $\gridSetup[\langle gridunitname \rangle] \{\langle gridunit \rangle\} \{\langle labelfactor \rangle\} \{\langle griddelta \rangle\} \{\langle gridDelta \rangle\} \{\langle gap \rangle\}.$  For details see the implementation section.

<sup>\*</sup>This document corresponds to eso-pic v2.0c, dated 2010/10/06.

\AtPageUpperLeft \AtPageLowerLeft \AtPageCenter \AtTextUpperLeft \AtTextLowerLeft \AtTextCenter \AtStockUpperLeft \AtStockLowerLeft \AtStockCenter

Helper macros for easier positioning on the page.

### Package options

| Option       | Value                | Comments                                    |
|--------------|----------------------|---|
| pscoord      | empty or true, false | The zero point of the coordinate system     |
|              |                      | is the lower left corner of the page (the   |
|              |                      | default).                                   |
| texcoord     | empty or true, false | The zero point of the coordinate system     |
|              |                      | is the upper left corner of the page.       |
| grid         | empty or true, false | A grid is drawing; default: false.          |
| gridunit     | $mm,\ in,\ bp,\ pt$  | Distance between gridlines are multiples    |
|              |                      | of gridunit. default: mm.                   |
| gridcolor    | a valid color name   | Color of the main gridlines; default:       |
|              |                      | black                                       |
| subgridcolor | a valid color name   | Color of the subgridlines; default: black.  |
| subgridstyle | solid or dotted      | 'dotted' is very slow! default: solid.      |
| colorgrid    | empty or true, false | Shortcut for 'grid=true', 'gridcolor=red'   |
|              |                      | and 'subgridcolor=green'; default: false.   |
| dvips        | empty or true, false | Is also true if the package option dvips is |
|              |                      | used by color or graphics. If true package  |
|              |                      | eepic is loaded for better performance of   |
|              |                      | dotted lines.                               |

#### Implementation 3

### The main functionality

1 \RequirePackage{atbegshi}

\LenToUnit

 ${\tt 2 \providecommand*\LenToUnit[1]{\#1\@gobble}}$ 

\ESO@isMEMOIR Support for the memoir class.

- 3 \newcommand\ESO@isMEMOIR[2]{#2}
- ${\tt 4 \command\ESO@isMEMOIR[2]{\#1}}{\tt 4 \command\ESO@isMEMOIR[2]{\#1}}{\tt 4}}$

\AtPageUpperLeft

- 5 \newcommand\AtPageUpperLeft[1]{%
- 6 \put(0,\LenToUnit{-\ESO@yoffsetI}){#1}%

7 }

\AtPageLowerLeft

- 8 \newcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
- 9 \put(0,\LenToUnit{-\paperheight}){#1}}}

\AtPageCenter

- 10 \newcommand\AtPageCenter[1] {\AtPageUpperLeft{\%}
- $\t (\LenToUnit{.5}\paperwidth}, \LenToUnit{-.5}\paperheight}){\#1}}{\%}$ 12 }

```
\AtStockLowerLeft
                   13 \newcommand\AtStockLowerLeft{}
                   14 \ESO@isMEMOIR{%
                       \renewcommand\AtStockLowerLeft[1]{%
                   16
                          \begingroup
                   17
                            \@tempdima=-\stockwidth
                   18
                            \advance\@tempdima\trimedge
                   19
                            \advance\@tempdima\paperwidth
                            \if@twoside\ifodd\c@page\else
                   20
                              \@tempdima=-\trimedge
                   21
                            \fi\fi
                   22
                            \@tempdimb=-\stockheight
                   23
                   24
                            \advance\@tempdimb\paperheight
                            \advance\@tempdimb\trimtop
                   25
                            \AtPageLowerLeft{%
                   26
                   27
                              \put(\LenToUnit{\@tempdima},\LenToUnit{\@tempdimb}){#1}%
                   28
                            }%
                   29
                          \endgroup
                   30
                       }
                   31 }{%
                       \let\AtStockLowerLeft=\AtPageLowerLeft
                   32
                   33 }
\AtStockUpperLeft
                   34 \newcommand\AtStockUpperLeft{}
                   35 \ESO@isMEMOIR{%
                       \renewcommand\AtStockUpperLeft[1]{%
                   36
                   37
                          \AtStockLowerLeft{%
                            \put(0,\LenToUnit{\stockheight}){#1}%
                   38
                         }%
                   39
                   40 }%
                   41 }{%
                   42 \let\AtStockUpperLeft=\AtPageUpperLeft
                   43 }
   \AtStockCenter
                   44 \newcommand\AtStockCenter{}
                   45 \ESO@isMEMOIR{%
                   46
                       \renewcommand\AtStockCenter[1]{%
                   47
                          \AtStockLowerLeft{%
                            \put(\LenToUnit{.5\stockwidth},\LenToUnit{.5\stockheight}){#1}%
                   48
                   49
                         }%
                   50 }%
                   51 }{%
                   52 \let\AtStockCenter=\AtPageCenter
                   53 }
\AtTextUpperLeft
                   54 \ESO@isMEMOIR{%
                   55 \newcommand\AtTextUpperLeft[1]{%
                   56
                        \begingroup
                            \ifodd\c@page
                   57
                   58
                              \@tempdima=\spinemargin
                   59
                            \else
```

```
\advance\@tempdima-\textwidth
                         61
                                    \advance\@tempdima-\spinemargin
                         62
                                  \fi
                         63
                                  \@tempdimb=-\uppermargin
                         64
                                  \AtPageUpperLeft{%
                         65
                                    \put(\LenToUnit{\@tempdima},\LenToUnit{\@tempdimb}){#1}%
                         66
                                 }%
                         67
                         68
                               \endgroup
                             }
                         69
                         70 }{%
                             \newcommand\AtTextUpperLeft[1]{%
                         71
                         72
                               \begingroup
                                  \@tempdima=1in\relax
                         73
                         74
                                  \ifodd\c@page
                                    \advance\@tempdima\oddsidemargin
                         75
                         76
                         77
                                    \advance\@tempdima\evensidemargin
                                  \fi
                         78
                                  \@tempdimb=-1in\relax
                         79
                                  \advance\@tempdimb-\topmargin
                         80
                                  \advance\@tempdimb-\headheight
                         81
                                  \advance\@tempdimb-\headsep
                         82
                                  \AtPageUpperLeft{%
                         83
                         84
                                    \put(\LenToUnit{\@tempdima},\LenToUnit{\@tempdimb}){#1}%
                                 }%
                         85
                         86
                                \endgroup
                             }
                         87
                         88 }
      \AtTextLowerLeft
                         89 \newcommand\AtTextLowerLeft[1]{\AtTextUpperLeft{%
                             \put(0,\LenToUnit{-\textheight}){#1}}}
         \AtTextCenter
                         91 \newcommand\AtTextCenter[1] {\AtTextUpperLeft{%
                             \put(\LenToUnit{.5\textwidth},\LenToUnit{-.5\textheight}){#1}}
          \ESO@HookIBG
         \ESO@HookIIBG
                        93 \newcommand{\ESO@HookIBG}{}
        \ESO@HookIIIBG
                        94 \newcommand{\ESO@HookIIBG}{}
          \ESO@HookIFG 95 \newcommand{\ESO@HookIIIBG}{}
         \ESO@HookIIFG 96 \newcommand{\ESO@HookIFG}{}
                         97 \newcommand{\ESO@HookIIFG}{}
                         98 \newcommand{\ESO@HookI}{}
                         99 \newcommand{\ESO@HookII}{}
                        100 \newcommand{\ESO@HookIII}{}
                        101 \let\ESO@HookI=\ESO@HookIBG
                        102 \let\ESO@HookII=\ESO@HookIIBG
                        103 \let\ESO@HookIII=\ESO@HookIIIBG
\AddToShipoutPictureBG
\verb|\AddToShipoutPictureFG||_{104} \\ \verb|\newcommand{\AddToShipoutPictureBG}{\%}
                            \@ifstar{\g@addto@macro\ESO@HookIIBG}{\g@addto@macro\ESO@HookIBG}}
```

\@tempdima=\paperwidth

60

```
106 \newcommand{\AddToShipoutPicture}{}
                               107 \let\AddToShipoutPicture=\AddToShipoutPictureBG
      \AddToShipoutPictureFG
                               108 \newcommand{\AddToShipoutPictureFG}{%
                                   \@ifstar{\g@addto@macro\ESO@HookIIFG}{\g@addto@macro\ESO@HookIFG}}
      \ClearShipoutPictureBG
         \verb|\ClearShipoutPicture||_{110} \verb|\newcommand{\ClearShipoutPictureBG}{\global\let\ESO@HookIBG\@empty}|
      \ClearShipoutPictureFG 111 \newcommand{\ClearShipoutPicture}{}
                               112 \let\ClearShipoutPicture=\ClearShipoutPictureBG
                               {\tt 113 \ \ let\ ESO@HookIFG\ @empty}}
              \AtBeginShipout (see package atbegshi)
    \verb|\AtBeginShipoutUpperLeft||_{114} \\ \verb|\ESO@isMEMOIR{%}| \\
{	t ginShipoutUpperLeftForeground} \ \ 115
                                    \AtBeginShipout{%
                               116
                                       \@tempdima=-\trimedge
                                       \advance\@tempdima-\paperwidth
                               117
                                       \advance\@tempdima\stockwidth
                               118
                                       \if@twoside\ifodd\c@page\else
                               119
                                         \advance\@tempdima2\trimedge
                               120
                               121
                                         \advance\@tempdima\paperwidth
                               122
                                         \advance\@tempdima-\stockwidth
                               123
                                       \@tempdimb=\ESO@yoffsetI
                               124
                               125
                                       \advance\@tempdimb-\trimtop
                               126
                                       \nointerlineskip
                               127
                                       \AtBeginShipoutUpperLeft{%
                               128
                                         \put(\LenToUnit{\@tempdima},\LenToUnit{\@tempdimb}){%
                                           \ESO@HookIIIBG\ESO@HookIBG\ESO@HookIIBG
                               129
                                           \global\let\ESO@HookIIBG\@empty
                               130
                                        }%
                               131
                               132
                                       \AtBeginShipoutUpperLeftForeground{%
                               133
                                         \put(\LenToUnit{\@tempdima},\LenToUnit{\@tempdimb}){%
                               134
                                           \ESO@HookIFG\ESO@HookIIFG
                               135
                               136
                                           \global\let\ESO@HookIIFG\@empty
                                        }%
                               137
                                      }%
                               138
                                    }
                               139
                               140 }{%
                                    \AtBeginShipout{%
                               141
                                       \nointerlineskip
                               142
                               143
                                       \AtBeginShipoutUpperLeft{%
                                         \put(0,\LenToUnit{\ESO@yoffsetI}){%
                               144
                                           \ESO@HookIIIBG\ESO@HookIBG\ESO@HookIIBG
                               145
                               146
                                           \global\let\ESO@HookIIBG\@empty
                                        }%
                               147
                               148
                                      }%
                                       \AtBeginShipoutUpperLeftForeground{%
                               149
                                         \put(0,\LenToUnit{\ESO@yoffsetI}){%
                               150
                                           \ESO@HookIFG\ESO@HookIIFG
                               151
                               152
                                           \global\let\ESO@HookIIFG\@empty
                               153
                                        }%
```

```
154 }%
155 }
156 }
```

#### 3.2 The background grid

```
157 \RequirePackage{keyval}
            Initialising some macros
           158 \newif\ifESO@dvips\ESO@dvipsfalse \newif\ifESO@grid\ESO@gridfalse
           159 \newif\ifESO@texcoord\ESO@texcoordfalse
           160 \newcommand*\ESO@gridunitname{}
           161 \newcommand*\ESO@gridunit{}
           162 \newcommand*\ESO@labelfactor{}
           163 \newcommand*\ESO@griddelta{}\newcommand*\ESO@griddeltaY{}
           164 \newcommand*\ESO@gridDelta{}\newcommand*\ESO@gridDeltaY{}
           165 \newcommand*\ESO@gridcolor{}
           166 \newcommand*\ESO@subgridcolor{}
           167 \newcommand*\ESO@subgridstyle{dotted}% ???
           168 \newcommand*\ESO@gap{}
           169 \newcommand*\ESO@yoffsetI{}\newcommand*\ESO@yoffsetII{}
           170 \newcommand*\ESO@gridlines{\thinlines}
           171 \newcommand*\ESO@subgridlines{\thinlines}
           172 \newcommand*\ESO@hline[1] {\ESO@subgridlines\line(1,0){#1}}
           173 \newcommand*\ESO@vline[1]{\ESO@subgridlines\line(0,1){#1}}
           174 \newcommand*\ESO@Hline[1]{\ESO@gridlines\line(1,0){#1}}
           175 \newcommand*\ESO@Vline[1]{\ESO@gridlines\line(0,1){#1}}
           176 \newcommand\ESO@fcolorbox[4][]{\fbox{#4}}
           177 \newcommand\ESO@color[1]{}
           178 \newcommand\ESO@colorbox[3][]{%
                \begingroup
                  fboxrule=\z@fbox{#3}%
           180
           181
                \endgroup
           182 }
\gridSetup
           183 \newcommand\gridSetup[6][]{%
                \edef\ESO@gridunitname{#1}\edef\ESO@gridunit{#2}
                \edef\ESO@labelfactor{#3}\edef\ESO@griddelta{#4}
                \edef\ESO@gridDelta{#5}\edef\ESO@gap{#6}}
            All the key-value options
           187 \define@key{ES0}{texcoord}[true]{\csname ES0@texcoord#1\endcsname}
           188 \define@key{ESO}{pscoord}[true]{\csname @tempswa#1\endcsname
                \if@tempswa\ESO@texcoordfalse\else\ESO@texcoordtrue\fi}
           190 \define@key{ESO}{dvips}[true]{\csname ESO@dvips#1\endcsname}
           191 \define@key{ESO}{grid}[true]{\csname ESO@grid#1\endcsname
                \setkeys{ESO}{gridcolor=black,subgridcolor=black}}
           193 \define@key{ESO}{colorgrid}[true]{\csname ESO@grid#1\endcsname
                \setkeys{ESO}{gridcolor=red,subgridcolor=green}}
           195 \define@key{ESO}{gridcolor}{\def\ESO@gridcolor{#1}}
           196 \define@key{ESO}{subgridcolor}{\def\ESO@subgridcolor{#1}}
           197 \define@key{ESO}{subgridstyle}{\def\ESO@subgridstyle{#1}}%
           198 \define@key{ESO}{gridunit}{%
               \def\@tempa{#1}
```

```
\def\@tempb{bp}
                          \ifx\@tempa\@tempb
                     201
                            \gridSetup[\0tempa]{1bp}{1}{10}{50}{2}
                     202
                     203
                          \else
                            \def\@tempb{pt}
                     204
                            \ifx\@tempa\@tempb
                     205
                              \gridSetup[\@tempa]{\p@}{1}{10}{50}{2}
                     206
                     207
                            \else
                              \def\@tempb{in}
                     208
                              \ifx\@tempa\@tempb
                     209
                                \gridSetup[\@tempa]{.1in}{.1}{2}{10}{.5}
                     210
                              \else
                     211
                                \gridSetup[mm]{1mm}{1}{5}{20}{1}
                     212
                     213
                              \fi
                            \fi
                     214
                     215
                          \fi
                     216 }
                     217 \setkeys{ESO}{subgridstyle=solid,pscoord=true,gridunit=mm}
                     This macro can process package options using 'key=value' syntax.
\ProcessOptionsWithKV
                     218 \def\ProcessOptionsWithKV#1{%
                     219
                          \let\@tempc\@empty
                          \@for\CurrentOption:=\@classoptionslist\do{%
                     220
                     221
                            \@ifundefined{KV@#1@\CurrentOption}%
                     222
                            {}{\edef\@tempc{\@tempc,\CurrentOption,}}}%
                     223
                          \edef\@tempc{%
                            224
                          \@tempc
                     225
                          \AtEndOfPackage{\let\@unprocessedoptions\relax}}%
                     226
                     227 \ProcessOptionsWithKV{ESO}%
            \ESO@div Divides length #1 by #2 × \ESO@gridunit and adds one. Result is in \@tempcnta.
                     228 \newcommand\ESO@div[2]{%
                          \@tempdima=#1\relax\@tempdimb=\ESO@gridunit\relax
                     230
                          \@tempdimb=#2\@tempdimb\divide\@tempdima by \@tempdimb
                     231
                          \@tempcnta\@tempdima\advance\@tempcnta\@ne}
                     232 \@ifundefined{colorbox}{%
                          \IfFileExists{xcolor.sty}{\RequirePackage{xcolor}}%
                     233
                     234
                            {\RequirePackage{color}}%
                     235 }{}%
                     236 \let\ESO@color=\color
                     237 \let\ESO@colorbox=\colorbox
                     238 \let\ESO@fcolorbox=\fcolorbox
                     239 \AtBeginDocument{%
                     240
                          \ES0@dvipsfalse
                          \@ifundefined{Gin@driver}{}%
                     241
                     242
                            \ifx\Gin@driver\@empty\else%
                     243
                              244
                              \ifx\filename@base\reserved@a\ESO@dvipstrue\fi
                     245
                     246
                            \fi
                          }%
                     247
```

200

```
\ifESO@dvips\def\@tempb{eepic}\else\def\@tempb{epic}\fi
                  248
                       \def\@tempa{dotted}%\def\ESO@gap{\LenToUnit{6\@wholewidth}}%
                  249
                       \ifx\@tempa\ESO@subgridstyle
                  250
                         \IfFileExists{\@tempb.sty}%
                  251
                  252
                            \RequirePackage{\@tempb}
                  253
                           \renewcommand*\ESO@hline[1]{\ESO@subgridlines\dottedline{\ESO@gap}%
                  254
                              (0,0)(##1,0)
                  255
                           \renewcommand*\ESO@vline[1]{\ESO@subgridlines\dottedline{\ESO@gap}%
                  256
                              (0,0)(0,##1)}
                  257
                         }{}
                  258
                  259
                       \else
                         \ifx\ESO@gridcolor\ESO@subgridcolor
                  260
                           \renewcommand*\ESO@gridlines{\thicklines}
                  261
                  262
                  263
                       \fi
                  264 }
                  265 \ifESO@texcoord
                       \def\ESO@yoffsetI{\z@}\def\ESO@yoffsetII{-\paperheight}
                  266
                       \edef\ESO@griddeltaY{-\ESO@griddelta}\edef\ESO@gridDeltaY{-\ESO@gridDelta}
                  267
                  268 \else
                       \def\ESO@yoffsetI{-\paperheight}\def\ESO@yoffsetII{\z@}
                       \edef\ESO@griddeltaY{\ESO@griddelta}\edef\ESO@gridDeltaY{\ESO@gridDelta}
                  270
                  271 \fi
\ESO@gridpicture
                  272 \newcommand\ESO@gridpicture{\%
                  273
                       \begingroup
                  274
                         \setlength\unitlength{\ESO@gridunit}%
                         \ESO@color{\ESO@subgridcolor}%
                  275

    horizontal subgrid lines –

                         \ESO@div{\paperheight}{\ESO@griddelta}%
                  276
                         \multiput(0,0)(0,\ESO@griddeltaY){\@tempcnta}%
                  277
                           {\ESO@hline{\LenToUnit{\paperwidth}}}%
                  278
                   — vertical subgrid lines –
                         \ESO@div{\paperwidth}{\ESO@griddelta}%
                  279
                         \multiput(0,\LenToUnit{\ESO@yoffsetII})(\ESO@griddelta,0){\@tempcnta}%
                  280
                           {\ESO@vline{\LenToUnit{\paperheight}}}%
                  281
                         \ESO@color{\ESO@gridcolor}%
                  282
                    – horizontal grid lines –
                         \ESO@div{\paperheight}{\ESO@gridDelta}%
                  283
                  284
                         \multiput(0,0)(0,\ESO@gridDeltaY){\@tempcnta}%
                           {\ESO@Hline{\LenToUnit{\paperwidth}}}%
                  285
                   — vertical grid lines —
                         \ESO@div{\paperwidth}{\ESO@gridDelta}%
                         \multiput(0,\LenToUnit{\ESO@yoffsetII})(\ESO@gridDelta,0){\@tempcnta}%
                  287
                           {\ESO@Vline{\LenToUnit{\paperheight}}}%
                     horizontal numbers -
                         \fontsize{10}{12}\normalfont%
                  289
                         \ESO@div{\paperwidth}{\ESO@gridDelta}%
                  291
                         \multiput(0,\ESO@gridDeltaY)(\ESO@gridDelta,0){\@tempcnta}{%
```

```
\@tempcntb=\@tempcnta\advance\@tempcntb-\@multicnt
292
         \ifnum\@tempcntb>1\relax
293
           \multiply\@tempcntb by \ESO@gridDelta\relax
294
           \@tempdima=\@tempcntb sp\@tempdima=\ESO@labelfactor\@tempdima
295
296
           \@tempcntb=\@tempdima%
           \mbox(0,0)[c]{\ESO@colorbox{white}{\the\@tempcntb}}%
297
         fi}%
   vertical numbers
299
       \ifx\ESO@gridunitname\@empty\def\@tempa{0}\else\def\@tempa{1}\fi
       \ESO@div{\paperheight}{\ESO@gridDelta}%
300
       \multiput(\ESO@gridDelta,0)(0,\ESO@gridDeltaY){\@tempcnta}{%
301
302
         \@tempcntb=\@tempcnta\advance\@tempcntb-\@multicnt%
303
         \ifnum\@tempcntb>\@tempa\relax
           \multiply\@tempcntb by \ESO@gridDelta\relax%
304
           \@tempdima=\@tempcntb sp\@tempdima=\ESO@labelfactor\@tempdima
305
           \@tempcntb=\@tempdima
306
           \mbox(0,0)[c]{\ESO@colorbox{white}{\the\@tempcntb}}%
307
308
       }%
309
— the unit label —
       \ifx\ESO@gridunitname\@empty\else
310
         \thicklines\fboxrule=\@wholewidth
311
         \put(\ESO@gridDelta,\ESO@gridDeltaY){\makebox(0,0)[c]{%
312
           \ESO@fcolorbox{\ESO@gridcolor}{white}{%
313
314
             \textbf{\ESO@gridunitname}}}}%
315
       \normalcolor%
316
     \endgroup
317
318 }
```

Add the grid to the shipout picture (\ESO@HookIIIBG is independed from the user commands \AddToShipoutPictureBG and \AddToShipoutPictureBG\*).
319 \ifESO@grid\g@addto@macro\ESO@HookIIIBG{\ESO@gridpicture}\fi

## Change History

```
v0.4
                                              \LenToUnit, \AtPageUpperLeft,
                                              \AtPageCenter, \AtTextUpperLeft,
   General: Initial version \dots \dots 1
                                              and \AtTextCenter. .... 1
v0.5
   General: Some bug corrections . . . 1
                                       v1.0a
                                           \ClearShipoutPictureFG: Changed
v0.6
                                              General: Some corrections for com-
                                              gested by Alberto Lusiani). . . . 5
      patibility with the html package
      suggested by Ross Moore and a
                                        v1.0c
      licence note . . . . . . . . . . . . 1
                                                        New
                                                                  command
                                           General:
v0.7
                                              \AtTextLowerLeft and correc-
                                              tions to \AtTextUpperLeft. ... 1
   General:
                New
                         command
      \AddToShipoutPicture* .... 1
                                       v1.0d
v1.0
                                           \LenToUnit: Using \providecommand
   General:
               New
                         commands
                                              instead of \newcommand for
```

| \LenToUnit 2  | using with XeLaTEX should be  |
|---|---|
| v1.1  | possible  |
| General: New commands and package options for background grids                          | v2.0a General: Better test of color/xcolor 7 \AtStockCenter: New                    |
| \ESO@gridpicture: Font setting added 8 v1.1b  | \AtStockUpperLeft: New 3 \AtTextUpperLeft: Works now for class memoir 3 v2.0b       |
| General: New command  AtPageLowerLeft 1  New package options "texcoord" and "pscoord" 1 | \AddToShipoutPictureFG: New command \AddToShipoutPictureFG4                         |
| v1.1c  General: Remove the disadvantageous check of 'pdfTeX'. Now                       | \AtBeginShipoutUpperLeftForeground: bugfix for memoir class (reported by YI Hoze) 5 |