

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

| | |
|---|---|
| <code>\AddToShipoutPictureBG</code> | All the picture commands which are parameters of an <code>\AddToShipoutPictureBG</code> command will be added to the internal macro <code>\ESO@HookIBG</code> . This macro is part of a zero-length <code>picture</code> environment with basepoint at the lower left corner of the page (default) or at the upper left corner (package option "texcoord"). The <code>picture</code> environment will be shipped out at every new page. |
| <code>\AddToShipoutPictureBG*</code> | <code>\AddToShipoutPictureBG*</code> works like <code>\AddToShipoutPictureBG</code> but only for the current page. It used the internal macro <code>\ESO@HookIIBG</code> which contents will be removed automatically. For compatibility the macros <code>\AddToShipoutPicture</code> and <code>\AddToShipoutPicture*</code> are aliases for <code>\AddToShipoutPictureBG</code> and <code>\AddToShipoutPictureBG*</code> . |
| <code>\AddToShipoutPictureFG</code> <code>\AddToShipoutPictureFG*</code> | Works like <code>\AddToShipoutPictureBG</code> but the picture commands are on the top of the normal document content. |
| <code>\ClearShipoutPictureBG</code> | A call of <code>\ClearShipoutPictureBG</code> clears the contents of <code>\ESO@HookIBG</code> . For compatibility the macro <code>\ClearShipoutPicture</code> is an alias for <code>\ClearShipoutPictureBG</code> . |
| <code>\ClearShipoutPictureFG</code> | A call of <code>\ClearShipoutPictureFG</code> clears the contents of <code>\ESO@HookIFG</code> . |
| <code>\LenToUnit</code> | Allows a length as parameter to a picture command. Note that this macro is no more necessary when using <code>\usepackage{picture}</code> . |
| <code>\gridSetup</code> | <code>\gridSetup[\langle gridunitname \rangle]{\langle gridunit \rangle}{\langle labelfactor \rangle}{\langle griddelta \rangle}{\langle gridDelta \rangle}{\langle gap \rangle}</code> . For details see the implementation section. |

*This document corresponds to `eso-pic` v2.0f, dated 2015/07/14.

\AtPageUpperLeft Helper macros for easier positioning on the page.

\AtPageLowerLeft

\AtPageCenter

\AtTextUpperLeft

\AtTextLowerLeft

\AtTextCenter

\AtStockUpperLeft

\AtStockLowerLeft

\AtStockCenter

2.2 Package options

| Option | Value | Comments |
|--------------|---|---|
| pscoord | empty or <i>true</i> , <i>false</i> | The zero point of the coordinate system is the lower left corner of the page (the default). |
| texcoord | empty or <i>true</i> , <i>false</i> | The zero point of the coordinate system is the upper left corner of the page. |
| grid | empty or <i>true</i> , <i>false</i> | A grid is drawing; default: false. |
| gridBG | empty or <i>true</i> , <i>false</i> | Put the grid in the background; default: false. |
| gridunit | <i>mm</i> , <i>in</i> , <i>bp</i> , <i>pt</i> | 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 | <i>solid</i> or <i>dotted</i> | ‘dotted’ is very slow! default: solid. |
| colorgrid | empty or <i>true</i> , <i>false</i> | Shortcut for ‘grid=true’, ‘gridcolor=red’ and ‘subgridcolor=green’; default: false. |
| dvips | empty or <i>true</i> , <i>false</i> | 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. |

3 Implementation

3.1 The main functionality

```

1 \RequirePackage{atbegshi}

\LenToUnit

2 \providecommand*\LenToUnit[1]{\strip@pt\dimexpr#1*\p@/\unitlength}

\ESO@isMEMOIR Support for the memoir class.
3 \newcommand\ESO@isMEMOIR[2]{#2}
4 \@ifclassloaded{memoir}{\renewcommand\ESO@isMEMOIR[2]{#1}}{}

\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{%

```

```

11 \put(\LenToUnit{.5\paperwidth},\LenToUnit{-.5\paperheight}){#1}}%
12 }

```

\AtStockLowerLeft

```

13 \newcommand\AtStockLowerLeft{}
14 \ESO@isMEMOIR{%
15   \renewcommand\AtStockLowerLeft[1]{%
16     \begingroup
17       \@tempdima=-\stockwidth
18       \advance\@tempdima\trimedge
19       \advance\@tempdima\paperwidth
20       \if@twoside\ifodd\c@page\else
21         \@tempdima=-\trimedge
22       \fi\fi
23       \@tempdimb=-\stockheight
24       \advance\@tempdimb\paperheight
25       \advance\@tempdimb\trimtop
26       \AtPageLowerLeft{%
27         \put(\LenToUnit{\@tempdima},\LenToUnit{\@tempdimb}){#1}%
28       }%
29     \endgroup
30   }
31 }{%
32   \let\AtStockLowerLeft=\AtPageLowerLeft
33 }

```

\AtStockUpperLeft

```

34 \newcommand\AtStockUpperLeft{}
35 \ESO@isMEMOIR{%
36   \renewcommand\AtStockUpperLeft[1]{%
37     \AtStockLowerLeft{%
38       \put(0,\LenToUnit{\stockheight}){#1}%
39     }%
40   }%
41 }{%
42   \let\AtStockUpperLeft=\AtPageUpperLeft
43 }

```

\AtStockCenter

```

44 \newcommand\AtStockCenter{}
45 \ESO@isMEMOIR{%
46   \renewcommand\AtStockCenter[1]{%
47     \AtStockLowerLeft{%
48       \put(\LenToUnit{.5\stockwidth},\LenToUnit{.5\stockheight}){#1}%
49     }%
50   }%
51 }{%
52   \let\AtStockCenter=\AtPageCenter
53 }

```

\AtTextUpperLeft

```

54 \ESO@isMEMOIR{%
55   \newcommand\AtTextUpperLeft[1]{%
56     \begingroup

```

```

57     \ifodd\c@page
58         \@tempdima=\spinemargin
59     \else
60         \@tempdima=\paperwidth
61         \advance\@tempdima-\textwidth
62         \advance\@tempdima-\spinemargin
63     \fi
64     \@tempdimb=-\uppermargin
65     \AtPageUpperLeft{%
66         \put(\LenToUnit{\@tempdima},\LenToUnit{\@tempdimb}){#1}%
67     }%
68 \endgroup
69 }
70 }{%
71 \newcommand\AtTextUpperLeft[1]{%
72     \begingroup
73     \@tempdima=1in\relax
74     \if@twoside
75         \ifodd\c@page
76             \advance\@tempdima\oddsidemargin
77         \else
78             \advance\@tempdima\evensidemargin
79         \fi
80     \else
81         \advance\@tempdima\oddsidemargin
82     \fi
83     \@tempdimb=-1in\relax
84     \advance\@tempdimb-\topmargin
85     \advance\@tempdimb-\headheight
86     \advance\@tempdimb-\headsep
87     \AtPageUpperLeft{%
88         \put(\LenToUnit{\@tempdima},\LenToUnit{\@tempdimb}){#1}%
89     }%
90 \endgroup
91 }
92 }

```

\AtTextLowerLeft

```

93 \newcommand\AtTextLowerLeft[1]{\AtTextUpperLeft{%
94     \put(0,\LenToUnit{-\textheight}){#1}}}

```

\AtTextCenter

```

95 \newcommand\AtTextCenter[1]{\AtTextUpperLeft{%
96     \put(\LenToUnit{.5\textwidth},\LenToUnit{-.5\textheight}){#1}}}

```

\ESO@HookIBG

```

\ESO@HookIIBG 97 \newcommand{\ESO@HookIBG}{}
\ESO@HookIIIBG 98 \newcommand{\ESO@HookIIBG}{}
\ESO@HookIFG 99 \newcommand{\ESO@HookIIIBG}{}
\ESO@HookIIFG 100 \newcommand{\ESO@HookIFG}{}
\ESO@HookIIIFG 101 \newcommand{\ESO@HookIIFG}{}
102 \newcommand{\ESO@HookIIIFG}{}
103 \newcommand{\ESO@HookI}{}
104 \newcommand{\ESO@HookII}{}

```

```

105 \newcommand{\ESO@HookIII}{%
106 \let\ESO@HookI=\ESO@HookIBG
107 \let\ESO@HookII=\ESO@HookIIBG
108 \let\ESO@HookIII=\ESO@HookIIBG

\AddToShipoutPictureBG
\AddToShipoutPictureFG 109 \newcommand{\AddToShipoutPictureBG}{%
110 \ifstar{\g@addto@macro\ESO@HookIIBG}{\g@addto@macro\ESO@HookIBG}}
111 \newcommand{\AddToShipoutPicture}{%
112 \let\AddToShipoutPicture=\AddToShipoutPictureBG

\AddToShipoutPictureFG
113 \newcommand{\AddToShipoutPictureFG}{%
114 \ifstar{\g@addto@macro\ESO@HookIIFG}{\g@addto@macro\ESO@HookIFG}}

\ClearShipoutPictureBG
\ClearShipoutPicture 115 \newcommand{\ClearShipoutPictureBG}{\global\let\ESO@HookIBG\@empty}
\ClearShipoutPictureFG 116 \newcommand{\ClearShipoutPicture}{%
117 \let\ClearShipoutPicture=\ClearShipoutPictureBG
118 \newcommand{\ClearShipoutPictureFG}{\global\let\ESO@HookIFG\@empty}

\AtBeginShipout (see package atbegshi)
\AtBeginShipoutUpperLeft 119 \ESO@isMEMOIR{%
ginShipoutUpperLeftForeground 120 \AtBeginShipout{%
121 \@tempdima=-\trimedge
122 \advance\@tempdima-\paperwidth
123 \advance\@tempdima\stockwidth
124 \if@twoside\ifodd\c@page\else
125 \advance\@tempdima2\trimedge
126 \advance\@tempdima\paperwidth
127 \advance\@tempdima-\stockwidth
128 \fi\fi
129 \@tempdimb=\ESO@yoffsetI
130 \advance\@tempdimb-\trimtop
131 \nointerlineskip
132 \AtBeginShipoutUpperLeft{%
133 \put(\LenToUnit{\@tempdima},\LenToUnit{\@tempdimb}){%
134 \ESO@HookIIBG\ESO@HookIBG\ESO@HookIIBG
135 \global\let\ESO@HookIIBG\@empty
136 }%
137 }%
138 \AtBeginShipoutUpperLeftForeground{%
139 \put(\LenToUnit{\@tempdima},\LenToUnit{\@tempdimb}){%
140 \ESO@HookIFG\ESO@HookIIFG\ESO@HookIIIFG
141 \global\let\ESO@HookIIFG\@empty
142 }%
143 }%
144 }
145 }{%
146 \AtBeginShipout{%
147 \nointerlineskip
148 \AtBeginShipoutUpperLeft{%
149 \put(0,\LenToUnit{\ESO@yoffsetI}){%
150 \ESO@HookIIBG\ESO@HookIBG\ESO@HookIIBG

```

```

151     \global\let\ESO@HookIIBG\@empty
152   }%
153 }%
154 \AtBeginShipoutUpperLeftForeground{%
155   \put (0,\LenToUnit{\ESO@yoffsetI}){%
156     \ESO@HookIFG\ESO@HookIIFG\ESO@HookIIIFG
157     \global\let\ESO@HookIIFG\@empty
158   }%
159 }%
160 }
161 }

```

3.2 The background grid

```

162 \RequirePackage{keyval}

  Initialising some macros
163 \newif\ifESO@dvips\ESO@dvipsfalse \newif\ifESO@grid\ESO@gridfalse
164 \newif\ifESO@texcoord\ESO@texcoordfalse \newif\ifESO@gridBG\ESO@gridBGfalse
165 \newcommand*\ESO@gridunitname{}
166 \newcommand*\ESO@gridunit{}
167 \newcommand*\ESO@labelfactor{}
168 \newcommand*\ESO@griddelta{}\newcommand*\ESO@griddeltaY{}
169 \newcommand*\ESO@gridDelta{}\newcommand*\ESO@gridDeltaY{}
170 \newcommand*\ESO@gridcolor{}
171 \newcommand*\ESO@subgridcolor{}
172 \newcommand*\ESO@subgridstyle{dotted}% ???
173 \newcommand*\ESO@gap{}
174 \newcommand*\ESO@yoffsetI{}\newcommand*\ESO@yoffsetII{}
175 \newcommand*\ESO@gridlines{\thinlines}
176 \newcommand*\ESO@subgridlines{\thinlines}
177 \newcommand*\ESO@hline[1]{\ESO@subgridlines\line(1,0){#1}}
178 \newcommand*\ESO@vline[1]{\ESO@subgridlines\line(0,1){#1}}
179 \newcommand*\ESO@Hline[1]{\ESO@gridlines\line(1,0){#1}}
180 \newcommand*\ESO@Vline[1]{\ESO@gridlines\line(0,1){#1}}
181 \newcommand\ESO@fcolorbox[3]{\fbox{#3}}
182 \newcommand\ESO@color[1]{}
183 \newcommand\ESO@colorbox[2]{%
184   \begingroup
185     \fboxrule=\z@\fbox{#2}%
186   \endgroup
187 }

\gridSetup
188 \newcommand\gridSetup[6][{}]{%
189   \edef\ESO@gridunitname{#1}\edef\ESO@gridunit{#2}
190   \edef\ESO@labelfactor{#3}\edef\ESO@griddelta{#4}
191   \edef\ESO@gridDelta{#5}\edef\ESO@gap{#6}}

```

All the key-value options

```

192 \define@key{ESO}{texcoord}[true]{\csname ESO@texcoord#1\endcsname}
193 \define@key{ESO}{pscoord}[true]{\csname @tempwa#1\endcsname
194   \if@tempwa\ESO@texcoordfalse\else\ESO@texcoordtrue\fi}
195 \define@key{ESO}{dvips}[true]{\csname ESO@dvips#1\endcsname}
196 \define@key{ESO}{grid}[true]{\csname ESO@grid#1\endcsname}

```

```

197 \setkeys{ES0}{gridcolor=black,subgridcolor=black}}
198 \define@key{ES0}{gridBG}[true]{\csname ES0@gridBG#1\endcsname}
199 \define@key{ES0}{colorgrid}[true]{\csname ES0@grid#1\endcsname}
200 \setkeys{ES0}{gridcolor=red,subgridcolor=green}}
201 \define@key{ES0}{gridcolor}{\def\ES0@gridcolor{#1}}
202 \define@key{ES0}{subgridcolor}{\def\ES0@subgridcolor{#1}}
203 \define@key{ES0}{subgridstyle}{\def\ES0@subgridstyle{#1}}%
204 \define@key{ES0}{gridunit}{%
205 \def\@tempa{#1}
206 \def\@tempb{bp}
207 \ifx\@tempa\@tempb
208 \gridSetup[\@tempa]{1bp}{1}{10}{50}{2}
209 \else
210 \def\@tempb{pt}
211 \ifx\@tempa\@tempb
212 \gridSetup[\@tempa]{\p@}{1}{10}{50}{2}
213 \else
214 \def\@tempb{in}
215 \ifx\@tempa\@tempb
216 \gridSetup[\@tempa]{.1in}{.1}{2}{10}{.5}
217 \else
218 \gridSetup[mm]{1mm}{1}{5}{20}{1}
219 \fi
220 \fi
221 \fi
222 }
223 \setkeys{ES0}{subgridstyle=solid,pscoord=true,gridunit=mm}

```

`\ProcessOptionsWithKV` This macro can process package options using ‘key=value’ syntax.

```

224 \def\ProcessOptionsWithKV#1{%
225 \let\@tempc\@empty
226 \@for\CurrentOption:=\@classoptionslist\do{%
227 \ifundefined{KV#1\CurrentOption}%
228 {}{\edef\@tempc{\@tempc,\CurrentOption,}}}%
229 \edef\@tempc{%
230 \noexpand\setkeys{#1}{\@tempc\@ptionlist{\@currname.\@currentx}}}%
231 \@tempc
232 \AtEndOfPackage{\let\@unprocessedoptions\relax}}%
233 \ProcessOptionsWithKV{ES0}%

```

`\ES0@div` Divides length #1 by #2 \times `\ES0@gridunit` and adds one. Result is in `\@tempcnta`.

```

234 \newcommand\ES0@div[2]{%
235 \@tempdima=#1\relax\@tempdimb=\ES0@gridunit\relax
236 \@tempdimb=#2\@tempdimb\divide\@tempdima by \@tempdimb
237 \@tempcnta\@tempdima\advance\@tempcnta\@ne}

238 \ifundefined{colorbox}{%
239 \IfFileExists{color.sty}{\RequirePackage{xcolor}}%
240 {\RequirePackage{color}}}%
241 }{}%
242 \let\ES0@color=\color
243 \renewcommand\ES0@colorbox[2]{%
244 \begin{group

```

```

245     \fboxsep=.4ex %
246     \colorbox{#1}{#2}%
247 \endgroup
248 }
249 \renewcommand\ESO@fcolorbox[3]{%
250   \begingroup
251     \fboxsep=.5ex %
252     \fcolorbox{#1}{#2}{#3}%
253   \endgroup
254 }
255 \AtBeginDocument{%
256   \ESO@dviupsfalse
257   \ifundefined{Gin@driver}{}%
258   {%
259     \ifx\Gin@driver\@empty\else%
260       \filename@parse{\Gin@driver}\def\reserved@a{dvips}%
261       \ifx\filename@base\reserved@a\ESO@dviupstrue\fi
262     \fi
263   }%
264   \ifESO@dviups\def\@tempb{eepic}\else\def\@tempb{epic}\fi
265   \def\@tempa{dotted}%\def\ESO@gap{\LenToUnit{6\@wholewidth}}%
266   \ifx\@tempa\ESO@subgridstyle
267     \IfFileExists{\@tempb.sty}%
268     {%
269       \RequirePackage{\@tempb}
270       \renewcommand*\ESO@hline[1]{\ESO@subgridlines\dottedline{\ESO@gap}%
271         (0,0)(\@tempb,0)}
272       \renewcommand*\ESO@vline[1]{\ESO@subgridlines\dottedline{\ESO@gap}%
273         (0,0)(0,\@tempb)}
274     }{}
275   \else
276     \ifx\ESO@gridcolor\ESO@subgridcolor
277       \renewcommand*\ESO@gridlines{\thicklines}
278     \fi
279   \fi
280 }
281 \ifESO@texcoord
282   \def\ESO@yoffsetI{\z@}\def\ESO@yoffsetII{-\paperheight}
283   \edef\ESO@griddeltaY{-\ESO@griddelta}\edef\ESO@gridDeltaY{-\ESO@gridDelta}
284 \else
285   \def\ESO@yoffsetI{-\paperheight}\def\ESO@yoffsetII{\z@}
286   \edef\ESO@griddeltaY{\ESO@griddelta}\edef\ESO@gridDeltaY{\ESO@gridDelta}
287 \fi

```

\ESO@gridpicture

```

288 \newcommand\ESO@gridpicture{%
289   \begingroup
290     \setlength\unitlength{\ESO@gridunit}%
291     \ESO@color{\ESO@subgridcolor}%
292     — horizontal subgrid lines —
293     \ESO@div{\paperheight}{\ESO@griddelta}%
294     \multiput(0,0)(0,\ESO@griddeltaY){\@tempcnta}%
295     {\ESO@hline{\LenToUnit{\paperwidth}}}%

```



```

— vertical subgrid lines —
295 \ESO@div{\paperwidth}{\ESO@griddelta}%
296 \multiput(0,\LenToUnit{\ESO@yoffsetII})(\ESO@griddelta,0){\@tempcnta}%
297 {\ESO@vline{\LenToUnit{\paperheight}}}%
298 \ESO@color{\ESO@gridcolor}%

— horizontal grid lines —
299 \ESO@div{\paperheight}{\ESO@gridDelta}%
300 \multiput(0,0)(0,\ESO@gridDeltaY){\@tempcnta}%
301 {\ESO@Hline{\LenToUnit{\paperwidth}}}%

— vertical grid lines —
302 \ESO@div{\paperwidth}{\ESO@gridDelta}%
303 \multiput(0,\LenToUnit{\ESO@yoffsetII})(\ESO@gridDelta,0){\@tempcnta}%
304 {\ESO@Vline{\LenToUnit{\paperheight}}}%

— horizontal numbers —
305 \fontsize{10}{12}\normalfont%
306 \ESO@div{\paperwidth}{\ESO@gridDelta}%
307 \multiput(0,\ESO@gridDeltaY)(\ESO@gridDelta,0){\@tempcnta}{%
308 \@tempcntb=\@tempcnta\advance\@tempcntb-\@multicnt
309 \ifnum\@tempcntb>1\relax
310 \multiply\@tempcntb by \ESO@gridDelta\relax
311 \@tempdima=\@tempcntb sp\@tempdima=\ESO@labelfactor\@tempdima
312 \@tempcntb=\@tempdima%
313 \makebox(0,0)[c]{\ESO@colorbox{white}{\the\@tempcntb}}}%
314 \fi}%

— vertical numbers —
315 \ifx\ESO@gridunitname\@empty\def\@tempa{0}\else\def\@tempa{1}\fi
316 \ESO@div{\paperheight}{\ESO@gridDelta}%
317 \multiput(\ESO@gridDelta,0)(0,\ESO@gridDeltaY){\@tempcnta}{%
318 \@tempcntb=\@tempcnta\advance\@tempcntb-\@multicnt%
319 \ifnum\@tempcntb>\@tempa\relax
320 \multiply\@tempcntb by \ESO@gridDelta\relax%
321 \@tempdima=\@tempcntb sp\@tempdima=\ESO@labelfactor\@tempdima
322 \@tempcntb=\@tempdima
323 \makebox(0,0)[c]{\ESO@colorbox{white}{\the\@tempcntb}}}%
324 \fi
325 }%

— the unit label —
326 \ifx\ESO@gridunitname\@empty\else
327 \thicklines\fbboxrule=\@wholewidth
328 \put(\ESO@gridDelta,\ESO@gridDeltaY){\makebox(0,0)[c]{%
329 \ESO@fcolorbox{\ESO@gridcolor}{white}{%
330 \textbf{\ESO@gridunitname}}}%
331 \fi
332 \normalcolor%
333 \endgroup
334 }

```

Add the grid to the shipout picture (`\ESO@HookIIIIFG` or `\ESO@HookIIIIBG`) is independed from the user commands `\AddToShipoutPictureBG` and `\AddToShipoutPictureBG*`.

```

335 \ifESO@grid
336   \ifESO@gridBG
337     \g@addto@macro\ESO@HookIIIBG{\ESO@gridpicture}%
338   \else
339     \g@addto@macro\ESO@HookIIIFG{\ESO@gridpicture}%
340   \fi
341 \fi

```

Change History

| | | | |
|-------|---|-------|--|
| v0.4 | General: Initial version 1 | v1.1c | General: Remove the disadvantageous check of ‘pdfTeX’. Now using with Xe ^L A ^T E _X should be possible. 7 |
| v0.5 | General: Some bug corrections . . . 1 | | |
| v0.6 | General: Some corrections for compatibility with the <code>html</code> package suggested by Ross Moore and a licence note 1 | v2.0a | General: Better test of <code>color</code> / <code>xcolor</code> 7 <code>\AtStockCenter</code> : New 3 <code>\AtStockLowerLeft</code> : New 3 <code>\AtStockUpperLeft</code> : New 3 <code>\AtTextUpperLeft</code> : Works now for class <code>memoir</code> 3 |
| v0.7 | General: New command <code>\AddToShipoutPicture*</code> 1 | v2.0b | <code>\AddToShipoutPictureFG</code> : New command <code>\AddToShipoutPictureFG</code> 5 |
| v1.0 | General: New commands <code>\LenToUnit</code> , <code>\AtPageUpperLeft</code> , <code>\AtPageCenter</code> , <code>\AtTextUpperLeft</code> , and <code>\AtTextCenter</code> 1 | v2.0c | <code>\AtBeginShipoutUpperLeftForeground</code> : bugfix for <code>memoir</code> class (reported by YI Hoze) 5 |
| v1.0a | <code>\ClearShipoutPictureFG</code> : Changed <code>\let</code> to <code>\global\let</code> (suggested by Alberto Lusiani). . . . 5 | v2.0d | General: grid should be in foreground 9 Improved color commands 7 |
| v1.0c | General: New command <code>\AtTextLowerLeft</code> and corrections to <code>\AtTextUpperLeft</code> . . . 1 | v2.0e | <code>\AtTextUpperLeft</code> : Wrong horizontal position in one-column mode 3 |
| v1.0d | <code>\LenToUnit</code> : Using <code>\providecommand</code> instead of <code>\newcommand</code> for <code>\LenToUnit</code> 2 | v2.0f | <code>\LenToUnit</code> : Changed definition for better compatibility with package <code>curve2e</code> suggested by Claudio Beccari. 2 |
| v1.1 | General: New commands and package options for background grids. 1 | v2.0g | General: Foreground/background grid. 9 New <code>\ifESO@gridBG</code> for foreground/background grid. 6 New macro <code>\ESO@HookIIIFG</code> for foreground grid. 4 New option ‘gridBG’. 6 |
| v1.1a | <code>\ESO@gridpicture</code> : Font setting added. 9 | | |
| v1.1b | General: New command <code>\AtPageLowerLeft</code> 1 New package options “ <code>texcoord</code> ” and “ <code>pscoord</code> ” 1 | | |

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Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

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