

# 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[<i>gridunitname</i>]{<i>gridunit</i>}{<i>labelfactor</i>}{<i>griddelta</i>}{<i>gridDelta</i>}{<i>gap</i>}</code> . For details see the implementation section.

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\*This document corresponds to `eso-pic v2.0g`, dated 2015/07/21.

`\AtPageUpperLeft`      Helper macros for easier positioning on the page.

`\AtPageLowerLeft`

`\AtPageCenter`

`\AtTextUpperLeft`

`\AtTextLowerLeft`

`\AtTextCenter`

`\AtStockUpperLeft`

`\AtStockLowerLeft`

`\AtStockCenter`

## 2.2 Package options

Option	Value	Comments
<code>pscoord</code>	empty or <i>true, false</i>	The zero point of the coordinate system is the lower left corner of the page (the default).
<code>texcoord</code>	empty or <i>true, false</i>	The zero point of the coordinate system is the upper left corner of the page.
<code>grid</code>	empty or <i>true, false</i>	A grid is drawing; default: false.
<code>gridBG</code>	empty or <i>true, false</i>	Put the grid in the background; default: false.
<code>gridunit</code>	<i>mm, in, bp, pt</i>	Distance between gridlines are multiples of <code>gridunit</code> . default: mm.
<code>gridcolor</code>	a valid color name	Color of the main gridlines; default: black
<code>subgridcolor</code>	a valid color name	Color of the subgridlines; default: black.
<code>subgridstyle</code>	<i>solid</i> or <i>dotted</i>	‘dotted’ is very slow! default: solid.
<code>colorgrid</code>	empty or <i>true, false</i>	Shortcut for ‘grid=true’, ‘gridcolor=red’ and ‘subgridcolor=green’; default: false.
<code>dvips</code>	empty or <i>true, false</i>	Is also true if the package option <code>dvips</code> is used by <code>color</code> or <code>graphics</code> . If true package <code>eepic</code> 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}{}
\ESO@HookIIIFG 102 \newcommand{\ESO@HookIIIFG}{}
\ESO@HookIIIFG 103 \newcommand{\ESO@HookI}{}
\ESO@HookIIIFG 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{ESO}{gridcolor=black,subgridcolor=black}}
198 \define@key{ESO}{gridBG}[true]{\csname ESO@gridBG#1\endcsname}
199 \define@key{ESO}{colorgrid}[true]{\csname ESO@grid#1\endcsname}
200 \setkeys{ESO}{gridcolor=red,subgridcolor=green}}
201 \define@key{ESO}{gridcolor}{\def\ESO@gridcolor{#1}}
202 \define@key{ESO}{subgridcolor}{\def\ESO@subgridcolor{#1}}
203 \define@key{ESO}{subgridstyle}{\def\ESO@subgridstyle{#1}}%
204 \define@key{ESO}{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{ESO}{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\@optionlist{\@currname.\@current}}}%
231 \@tempc
232 \AtEndOfPackage{\let\@unprocessedoptions\relax}}%
233 \ProcessOptionsWithKV{ESO}%

```

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

```

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

238 \ifundefined{colorbox}{%
239 \IfFileExists{xcolor.sty}{\RequirePackage{xcolor}}%
240 {\RequirePackage{color}}%
241 }{}%
242 \let\ESO@color=\color
243 \renewcommand\ESO@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@dvinfosfalse
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@dvipstrue\fi
262     \fi
263   }%
264   \ifESO@dvinfos\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)(##1,0)}
272       \renewcommand*\ESO@vline[1]{\ESO@subgridlines\dottedline{\ESO@gap}%
273         (0,0)(0,##1)}
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 indented 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 <sup>L</sup> TeX should be possible. . . . . 7	
v0.5	General: Some bug corrections . . . 1	v2.0a	General: Better test of color/xcolor 7	
v0.6	General: Some corrections for compatibility with the html package suggested by Ross Moore and a licence note . . . . . 1	\AtStockCenter: New . . . . . 3	\AtStockLowerLeft: New . . . . . 3	
v0.7	General: New command \AddToShipoutPicture* . . . . 1	\AtStockUpperLeft: New . . . . . 3	\AtTextUpperLeft: Works now for class memoir . . . . . 3	
v1.0	General: New commands \LenToUnit, \AtPageUpperLeft, \AtPageCenter, \AtTextUpperLeft, and \AtTextCenter. . . . . 1	v2.0b	\AddToShipoutPictureFG: New command \AddToShipoutPictureFG . . . . . 5	
v1.0a	\ClearShipoutPictureFG: Changed \let to \global\let (suggested by Alberto Lusiani). . . . 5	v2.0c	\AtBeginShipoutUpperLeftForeground: bugfix for memoir class (reported by YI Hoze) . . . . . 5	
v1.0c	General: New command \AtTextLowerLeft and corrections to \AtTextUpperLeft. . . . 1	v2.0d	General: grid should be in foreground . . . . . 9	
v1.0d	\LenToUnit: Using \providecommand instead of \newcommand for \LenToUnit . . . . . 2	Improved color commands . . . . 7	v2.0e	\AtTextUpperLeft: Wrong horizontal position in one-column mode . . . . . 3
v1.1	General: New commands and package options for background grids. . . . . 1	v2.0f	\LenToUnit: Changed definition for better compatibility with package curve2e suggested by Claudio Beccari. . . . . 2	
v1.1a	\ESO@gridpicture: Font setting added. . . . . 9	v2.0g	General: Foreground/background grid. . . . . 9	
v1.1b	General: New command \AtPageLowerLeft . . . . . 1	New \ifESO@gridBG for foreground/background grid. . . . . 6	New macro \ESO@HookIIIFG for foreground grid. . . . . 4	
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