

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>	Works like <code>\AddToShipoutPictureBG</code> but the picture commands are on the top of the normal document content.
<code>\AddToShipoutPictureFG*</code>	
<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` v2.0h, dated 2018/04/12.

\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{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}
224 \providecommand*\@classoptionslist{}

```

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

```

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

```

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

```

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

239 \ifundefined{colorbox}{%
240 \IfFileExists{xcolor.sty}{\RequirePackage{xcolor}}}%
241 {\RequirePackage{color}}%
242 }{}%
243 \let\ESO@color=\color

```

```

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

```

\ESO@gridpicture

```

289 \newcommand\ESO@gridpicture{%
290   \begingroup
291     \setlength\unitlength{\ESO@gridunit}%
292     \ESO@color{\ESO@subgridcolor}%
293     — horizontal subgrid lines —
294     \ESO@div{\paperheight}{\ESO@griddelta}%

```



```

294 \multiput(0,0)(0,\ESO@griddeltaY){\@tempcnta}%
295 {\ESO@hline{\LenToUnit{\paperwidth}}}%
— vertical subgrid lines —
296 \ESO@div{\paperwidth}{\ESO@griddelta}%
297 \multiput(0,\LenToUnit{\ESO@yoffsetII})(\ESO@griddelta,0){\@tempcnta}%
298 {\ESO@vline{\LenToUnit{\paperheight}}}%
299 \ESO@color{\ESO@gridcolor}%
— horizontal grid lines —
300 \ESO@div{\paperheight}{\ESO@gridDelta}%
301 \multiput(0,0)(0,\ESO@gridDeltaY){\@tempcnta}%
302 {\ESO@Hline{\LenToUnit{\paperwidth}}}%
— vertical grid lines —
303 \ESO@div{\paperwidth}{\ESO@gridDelta}%
304 \multiput(0,\LenToUnit{\ESO@yoffsetII})(\ESO@gridDelta,0){\@tempcnta}%
305 {\ESO@Vline{\LenToUnit{\paperheight}}}%
— horizontal numbers —
306 \fontsize{10}{12}\normalfont%
307 \ESO@div{\paperwidth}{\ESO@gridDelta}%
308 \multiput(0,\ESO@gridDeltaY)(\ESO@gridDelta,0){\@tempcnta}{%
309 \@tempcntb=\@tempcnta\advance\@tempcntb-\@multicnt
310 \ifnum\@tempcntb>1\relax
311 \multiply\@tempcntb by \ESO@gridDelta\relax
312 \@tempdima=\@tempcntb sp\@tempdima=\ESO@labelfactor\@tempdima
313 \@tempcntb=\@tempdima%
314 \makebox(0,0)[c]{\ESO@colorbox{white}{\the\@tempcntb}}}%
315 \fi}%
— vertical numbers —
316 \ifx\ESO@gridunitname\@empty\def\@tempa{0}\else\def\@tempa{1}\fi
317 \ESO@div{\paperheight}{\ESO@gridDelta}%
318 \multiput(\ESO@gridDelta,0)(0,\ESO@gridDeltaY){\@tempcnta}{%
319 \@tempcntb=\@tempcnta\advance\@tempcntb-\@multicnt%
320 \ifnum\@tempcntb>\@tempa\relax
321 \multiply\@tempcntb by \ESO@gridDelta\relax%
322 \@tempdima=\@tempcntb sp\@tempdima=\ESO@labelfactor\@tempdima
323 \@tempcntb=\@tempdima
324 \makebox(0,0)[c]{\ESO@colorbox{white}{\the\@tempcntb}}}%
325 \fi
326 }%
— the unit label —
327 \ifx\ESO@gridunitname\@empty\else
328 \thicklines\fbboxrule=\@wholewidth
329 \put(\ESO@gridDelta,\ESO@gridDeltaY){\makebox(0,0)[c]{%
330 \ESO@fcolorbox{\ESO@gridcolor}{white}{%
331 \textbf{\ESO@gridunitname}}}%
332 \fi
333 \normalcolor%
334 \endgroup
335 }

```

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

```

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

```

Change History

v0.4	General: Initial version 1	added. 9
v0.5	General: Some bug corrections . . . 1	General: New command <code>\AtPageLowerLeft</code> 1
v0.6	General: Some corrections for compatibility with the <code>html</code> package suggested by Ross Moore and a licence note 1	New package options "texcoord" and "pscoord" 1
v0.7	General: New command <code>\AddToShipoutPicture*</code> 1	v1.1c General: Remove the disadvantageous check of 'pdfTeX'. Now using with Xe _{La} TeX should be possible. . . 7
v1.0	General: New commands <code>\LenToUnit</code> , <code>\AtPageUpperLeft</code> , <code>\AtPageCenter</code> , <code>\AtTextUpperLeft</code> , and <code>\AtTextCenter</code> 1	v2.0a <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 General: Better test of color/xcolor 7
v1.0a	<code>\ClearShipoutPictureFG</code> : Changed <code>\let</code> to <code>\global\let</code> (suggested by Alberto Lusiani). 5	v2.0b <code>\AddToShipoutPictureFG</code> : New command <code>\AddToShipoutPictureFG</code> 5
v1.0c	General: New command <code>\AtTextLowerLeft</code> and corrections to <code>\AtTextUpperLeft</code> 1	v2.0c <code>\AtBeginShipoutUpperLeftForeground</code> : bugfix for <code>memoir</code> class (reported by YI Hoze) 5
v1.0d	<code>\LenToUnit</code> : Using <code>\providecommand</code> instead of <code>\newcommand</code> for <code>\LenToUnit</code> . . 2	v2.0d General: grid should be in foreground 10 Improved color commands 7
v1.1	General: New commands and package options for background grids. 1	v2.0e <code>\AtTextUpperLeft</code> : Wrong horizontal position in one-column mode 3
v1.1a	<code>\ESO@gridpicture</code> : Font setting	v2.0f <code>\LenToUnit</code> : Changed definition for better compatibility with

package <code>curve2e</code> suggested by Claudio Beccari. 2	New macro <code>\ESO@HookIIIFG</code> for foreground grid. 4
v2.0g	New option ‘gridBG’. 6
General: Foreground/background grid. 10	v2.0h
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