

# The eso-pic package\*

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## Abstract

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

## 1 Introduction

This package is an extension to Martin Schröder's `everyshi` package. Using `everyshi`'s `\EveryShipout` command `eso-pic` adds one or more userdefined picture commands to LaTeX's shipout routine.

## 2 Usage

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

<code>\AddToShipoutPicture</code>	All the picture commands which are parameters of an <code>\AddToShipoutPicture</code> command will be added to the internal macro <code>\ESO@HookI</code> . 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.
<code>\ClearShipoutPicture</code>	A call of <code>\ClearShipoutPicture</code> clears the contents of <code>\ESO@HookI</code> .
<code>\AddToShipoutPicture*</code>	<code>\AddToShipoutPicture*</code> works like <code>\AddToShipoutPicture</code> but only for the current page. It used the internal macro <code>\ESO@HookII</code> which contents will be removed automatically.
<code>\LenToUnit</code>	Allows a length as parameter to a picture command.
<code>\gridSetup</code>	<code>\gridSetup[<math>\langle gridunitname \rangle</math>]{<math>\langle gridunit \rangle</math>}{<math>\langle labelfactor \rangle</math>}{<math>\langle griddelta \rangle</math>}{<math>\langle gridDelta \rangle</math>}{<math>\langle gap \rangle</math>}</code> . For details see the implementation section.
<code>\AtPageUpperLeft</code>	Helper macros for easier positioning on the page.
<code>\AtPageLowerLeft</code>	
<code>\AtPageCenter</code>	
<code>\AtTextUpperLeft</code>	
<code>\AtTextLowerLeft</code>	
<code>\AtTextCenter</code>	

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\*This document corresponds to `eso-pic v1.1b`, dated 2002/11/16.

## 2.2 Package options

Option	Value	Comments
pscoord	empty or <i>true, false</i>	The zero point of the coordinate system is the lower left corner of the page (the default).
texcoord	empty or <i>true, false</i>	The zero point of the coordinate system is the upper left corner of the page.
grid	empty or <i>true, false</i>	A grid is drawing; default: false.
gridunit	<i>mm, in, bp, pt</i>	Distance between gridlines are multiples of <code>gridunit</code> . 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 or dotted</i>	'dotted' is very slow! default: solid.
colorgrid	empty or <i>true, false</i>	Shortcut for 'grid=true', 'gridcolor=red' and 'subgridcolor=green'; default: false.
dvips	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>eeepic</code> is loaded for better performance of dotted lines.