

# PSTricks

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## **pst-ovl**

Helper functions for overlays; v.0.07a

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### 1 Overlays

Overlays are mainly of interest for making slides, and the overlay macros described in this section are mainly of interest to T<sub>E</sub>X macro writers who want to implement overlays in a slide macro package. For example, the seminar package, a L<sup>A</sup>T<sub>E</sub>X style for notes and slides, uses PSTricks to implement overlays.

Overlays are made by creating an "\hbox" and then outputting the box several times, printing different material in the box each time. The box is created by the commands

```
\Lcs{psoverlaybox} < stuff >\Lcs{endpsoverlaybox}
```

L<sup>A</sup>T<sub>E</sub>X users can instead write:

```
\begin{psoverlaybox} <stuff> \end{psoverlaybox}
```

The material for overlay <number> should go within the scope of the command

```
\psoverlay{number}
```

<number> can be any any number, after expansion. Anything not in the scope of any \psoverlay command goes on overlay "0", and material within the scope of \psoverlay{-1} goes on all the overlays. \psoverlay commands can be nested and can be used in math mode. The command

```
\putoverlaybox{number}
```

then prints overlay <number>. Here is an example:

Foam Cups Damage  
Environment

Study Says.

Less  
than Paper Cups,

```
\psoverlaybox
\psoverlay{-1}
\psframebox[framearc=.15,linewidth=1.5pt]{%
  \psoverlay{0}
  \parbox{3.5cm}{\raggedright
    Foam Cups Damage Environment {\psoverlay{1} Less than
      Paper Cups,} Study Says.}}
\endpsoverlaybox

\psputoverlaybox{0} \hspace{.5in} \psputoverlaybox{1}
```

It is possible to define macros which hold the numbers:

Foam Cups Damage  
Environment

Study Says.

Less  
than Paper Cups,

```
\def\all{-1} \def\main{0} \def\one{1}
\psoverlaybox
\psoverlay{\all}
\psframebox[framearc=.15,linewidth=1.5pt]{%
  \psoverlay{\main}
  \parbox{3.5cm}{\raggedright
    Foam Cups Damage Environment {\psoverlay{\one} Less than
    Paper Cups,} Study Says.}}
\endpsoverlaybox

\psputoverlaybox{\main} \hspace{.5in} \psputoverlaybox{\one}
```

## 2 List of all optional arguments for pst-ovl

Key	Type	Default
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### References

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