

# pst-ovl

Helper functions for overlays; v.0.07b

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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  $\text{T}_{\text{E}}\text{X}$  macro writers who want to implement overlays in a slide macro package. For example, the seminar package, a  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$  style for notes and slides, uses PSTricks to implement overlays.

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

```
\psoverlaybox < stuff >\endpsoverlaybox
```

$\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$  users can instead write:

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

The material for overlay  $\langle\text{number}\rangle$  should go within the scope of the command

```
\psoverlay{number}
```

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

```
\putoverlaybox{number}
```

then prints overlay  $\langle\text{number}\rangle$ . 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}
```

## References

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