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 TEX macro writers who want to implement overlays in a slide macro package. For example, the `seminar` package, a LATEX 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

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

LATEX users can instead write:

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

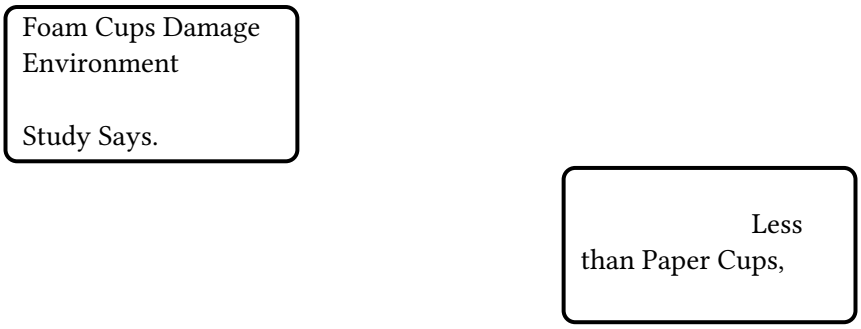
The material for overlay `<number>` should go within the scope of the command

`\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*`}`

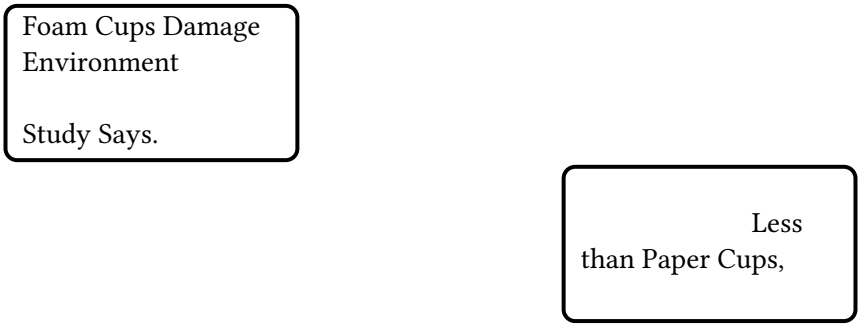
then prints overlay `<number>`. Here is an example:




```
\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:




```
\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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[10] Timothy van Zandt. *PSTricks - PostScript macros for generic TEX*. 1993.

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