

The shadowbox package

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1 Usage

The shadowbox package introduces a new command, namely the `\shadowbox` command. This is a box that adds a shadow behind text. Its usage is simple. The following code and its output illustrates the usage.

```
\shadowbox{This is a shadowbox}            This is a shadowbox
```

2 Changing the position of the shadow

The position of the shadow consists of two components: a horizontal offset and a vertical offset. The package offers two ways of changing the position of the shadow. The first and easiest way of changing the position is by using the `\setshadowoffset` command. This command sets the horizontal and vertical offset simultaneously. For example:

```
\setshadowoffset{2pt}                    This is a shadowbox  
\shadowbox{This is a shadowbox}
```

Second, one may alter the lengths `shadowoffsetx` and `shadowoffsety` to independently change the horizontal and vertical offset. For example:

```
\shadowoffsetx=1pt                      This is a shadowbox  
\shadowoffsety=4pt                      This is a shadowbox  
\shadowbox{This is a shadowbox}
```

3 Changing the color of the shadow

The color of the shadow may be change by using the `setshadowcolor` command.¹ For example, the following code adds a blue shadow:

¹Internally, the package uses the `\color` command from the color package to set its color

```

\setshadowoffset{2pt}
\setshadowcolor{0.66, 0.66, 1}
\shadowbox{This is a shadowbox}

```

This is a shadowbox

4 More examples

The following code illustrates how to use shadowbox in more interesting settings:

```

\definecolor{navy}{rgb}{0,0,0.5}
\color{navy}
\setshadowoffset{1pt}
\shadowbox{
  \fontsize{16}{16}\selectfont
  Large!}

```

Large!

```

\setshadowoffset{1pt}
\color{black}
\shadowbox{%
  \begin{tabular}{|1|1|}
  \hline
  1 & 2 \\
  3 & 4 \\
  \hline
  \end{tabular}
}

```

1	2
3	4

(Notice the percent sign right after the shadowbox command. This is necessary!)

```

\setshadowoffset{1pt}
\shadowbox{${\sqrt{2\pi}}e^{-n}$}

```

$$\sqrt{2\pi}e^{-n}$$

```

\color{navy}
\setshadowoffset{2pt}
\shadowbox{%
  \fontencoding{T1}%
  \fontfamily{pag}%
  \fontseries{b}%
  \fontsize{32}{32}%
  \selectfont%
  Section \arabic{section}%
}

```

Section 4