AcroTEX.Net

GraphicxBox Test File
Using the Graphicx Package

D. P. Story

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dpstory@acrotex.net
www.acrotex.net

This demo file—produced by pdftex—for the graphicxbox package for users that are using the graphicx package, and not the graphicxsp package, the latter requiring the distiller.[1] This package delivers two commands, these are `\graphicxbox` and `\fgraphicxbox`. These two are modeled after `\colorbox` and `\fcolorbox` of the color package. These new commands are similar to their colorful counterparts, but they insert a graphical background in the box rather than a color background.

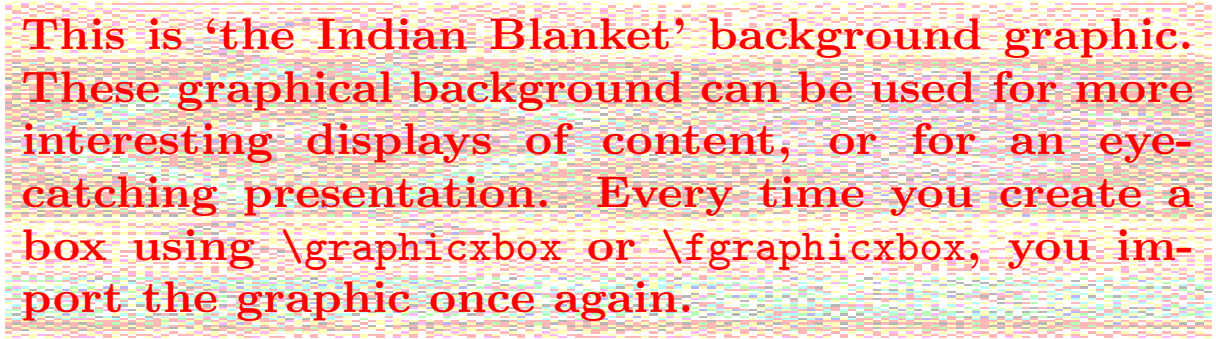
The syntax for `\graphicxbox` is

```
\graphicxbox[<includegraphics options>]{<graphic>}
    {<box content>}
```

The optional parameter is passed to the `\includegraphics` command, which is used. Do not use the `scale`, `width` or `height` options of `\includegraphics`, the graphic is scaled to fit the box by `\graphicxbox`. The required parameter `{<graphic>}` is also passed to `\includegraphics`.

Let's see an example.

[1] The package should work for any driver that supports the color package.

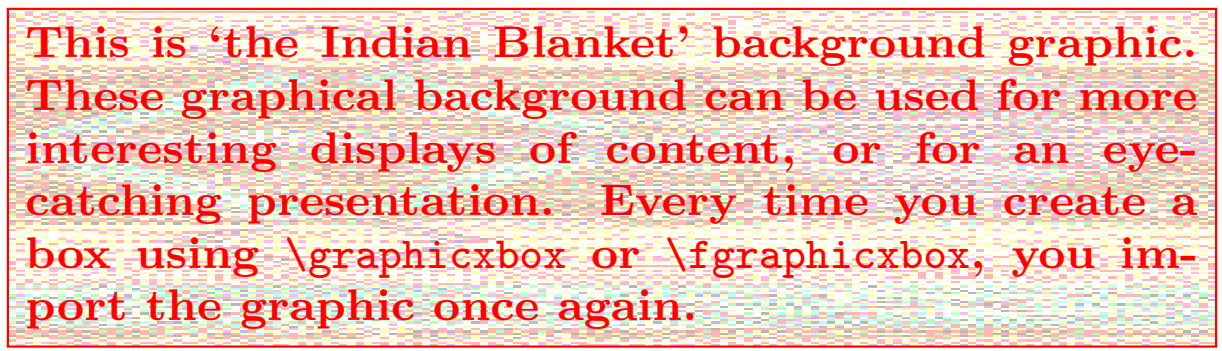


`\fgraphicxbox` does the same as `\graphicxbox`, but places a colorful frame around the box, just as `\fcolorbox` does. The syntax is

```
\fgraphicxbox[<model>]{<specification>}
    [<includegraphics options>]{<graphic>}{<box content>}
```

The first two (color) parameters are passed to the `\color` command, which takes two parameters. The other three parameters are the same ones for `\graphicxbox`.

Here’s an example



As with `\colorbox` and `\fcolorbox`, the space around the box is equal to `\fboxsep` on all sides, and the width of the rule is `\fboxrule`. These can be changed as desired.

Here's a few more examples of graphical backgrounds.

This is a wood-brown background, perhaps 'webgreen' is not the best text color for this background, but, then again, I have no feel for color at all. In fact, I really wonder if I know what I'm doing at all. I'm pretty confused and disoriented most all the time.

Here's a gradient-type background that I downloaded from the Internet. Once can, in theory, download any of your favorite backgrounds and use them as background graphics for a box.

What if you have a graphic that has an aspect ratio that cannot be changed because it would distort the graphic? To use such a graphic requires the knowledge of the dimensions of the graphic.

Let's try a photo for a graphic, now we must take care to preserve the aspect ratio. We simply create the box so that its dimensions have the same aspect ratio as that of the photo. Like so

```
\begin{minipage}[b][112.45bp-2\fboxsep]{149.665bp-2\fboxsep}
    \footnotesize\bfseries\color{white}%
    This is the mighty Grand Canyon, as seen from the south rim.
    Beautiful!
\end{minipage}
```

Here, `149.665bp` and `112.45bp` are the dimensions of the photo. Wrap this box in `\graphicxbox` using the `grandcanyon` photo and we have...

Interesting. Now, let's try framing this picture.

We've also modified the lengths of `\fboxsep` and `\fboxrule`.

Cool! That's the graphicxbox package.