
Subject: Re: Filling the frame of a NG plot
Posted by [dg86](#) on Wed, 03 Dec 2014 17:57:56 GMT
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On Wednesday, December 3, 2014 12:41:41 PM UTC-5, Chris Torrence wrote:

> On Wednesday, December 3, 2014 9:43:57 AM UTC-7, David Grier wrote:

>> Dear Folks,

>>

>> I'd like to fill the plot area of a New Graphics plot with a solid color.

>> So far, I haven't found a way to do this that does not blank out the plot

>> itself. Here's a stripped-down example that is supposed to plot a diagonal

>> line over a yellow background. The yellow polygon, however, covers up the

>> diagonal line.

>>

>> win = window(dimensions = [512, 512])

>> pos = [0.2, 0.2, 0.8, 0.8]

>> ndx = [[0, 1], [2, 1], [2, 3], [0, 3], [0, 1]]

>> verts = pos[ndx]

>> poly = polygon(verts, /fill_background, fill_color = 'yellow', \$

>> fill_transparency = 0, target = win)

>> pl = plot([0, 1], position = pos, current = win)

>>

>> I tried moving the polygon to the back with

>> poly.order, /send_to_back

>> and moving the plot to the front with

>> pl.order, /bring_to_front

>> Neither works.

>>

>>> print,!version

>> { x86_64 darwin unix Mac OS X 8.4 Sep 27 2014 64 64}

>>

>> What's the right way to do what I want?

>>

>> All the best,

>>

>> David

>

> Hi David,

>

> Have you tried the BACKGROUND_COLOR property?

>

> p = PLOT(/TEST, BACKGROUND_COLOR='yellow')

>

> -Chris

Dear Chris,

Thanks for your suggestion.

The straightforward solution works for simple cases, but not if I try to place a plot over an image. Here's an example:

```
win = window(dimensions = [512, 512])
im = image(randomu(seed, [512, 512]), position = [0, 0, 1, 1], current = win)
pl = plot([0, 1], position = pos, current = win, background_color = 'yellow')
```

The intention here is to superimpose a plot with a yellow background over a field of grayscale noise. The plot appears over the noise, but without the yellow background. That's why I started trying to use a polygon to fill in the frame.

Is this a bug?

TTFN,

David
