Subject: Postscript trap
Posted by David B on Tue, 02 Jun 2015 15:42:38 GMT
View Forum Message <> Reply to Message

Hello all,

so I have been outputting results into a postscript, suppose we have the following

```
device, file = 'test'+string(format='(I003)', j+1 )+'.ps', $
xsize=width, ysize=height, landscape=0, /color,bits_per_pixel=8, /helvetica, $
    encapsulated=0, xoffset=margin, yoffset=margin
```

I can then use cgtext like this to position any strings:

```
cgtext, 0.05, 0.65, 'Whatever', /normal, charthick=th, charsize = charsize
```

Notice I am working in normalised coordinates.

But then if I decide to plot an image like this:

```
map_pos = [0.58, 0.70, 0.98, 0.98]

cgimage, lcut, position = map_pos, oposition = map_outs, /noerase, /keep_aspect

;Axes
imcontour, lcut, lcuthdr, /NODATA, position = map_outs, /noerase, $
   charsize = charsize * 0.75, type = 1, subtitle = ' '
```

Then I become trapped into the coordinate and positioning system used by the graphic only, I can no longer position my text outside of the image or its axis without doing everything relative to that image.

If I then use a:

```
cgtext, 0.05, 0.65, 'whatever'
```

then this text is no longer relative to the page, but relative to the image axes.

How can I escape this problem and return to my 'top level' coordinate system without having to revert to awful device coordinates, or will I just have to shut up and use the device coordinates?

Thanks

David

Subject: Re: Postscript trap
Posted by David Fanning on Tue, 02 Jun 2015 15:53:02 GMT
View Forum Message <> Reply to Message

David B writes:

>
> Hello all,
>
> so I have been outputting results into a postscript, suppose we have the following
>
>
> device, file = 'test'+string(format='(I003)', j+1)+'.ps', $
> xsize=width, ysize=height, landscape=0, /color,bits_per_pixel=8, /helvetica, $
> encapsulated=0, xoffset=margin, yoffset=margin
>
> I can then use cgtext like this to position any strings:
>
> cgtext, 0.05, 0.65, 'Whatever', /normal, charthick=th, charsize = charsize
>
> Notice I am working in normalised coordinates.
>
> But then if I decide to plot an image like this:
>
> map_pos = [0.58, 0.70, 0.98, 0.98]
>
> cgimage, lcut, position = map_pos, oposition = map_outs, /noerase, /keep_aspect
>
> ;Axes
> imcontour, lcut, lcuthdr, /NODATA, position = map_outs, /noerase, $
> charsize = charsize * 0.75, type = 1, subtitle = ' '
>
> Then I become trapped into the coordinate and positioning system used by the graphic only, I can no longer position my text outside of the image or its axis without doing everything relative to that image.
>
> If I then use a:
>
> cgtext, 0.05, 0.65, 'whatever'
>
> then this text is no longer relative to the page, but relative to the image axes.
>
> How can I escape this problem and return to my 'top level' coordinate system without having to revert to awful device coordinates, or will I just have to shut up and use the device coordinates?

Huh!? Use the NORMAL keyword on your cgText command.

I'm pretty sure what you describe can't possibly happen. :-)

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: Postscript trap
Posted by David B on Wed, 03 Jun 2015 09:43:54 GMT
View Forum Message <> Reply to Message

Thanks David,

turned out I was being an idiot. I have a habit recently of looking at code and missing what I have typed into the line. I think I have so much 'cgtext' I became blind to its keywords.

Regards

David
