
Subject: Re: Transparent series of images with axis using cgImage
Posted by [Petros Syntelis](#) on Fri, 21 Mar 2014 16:41:34 GMT
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Thx David!

I'll study your example to sort it out!

Cheers,
Petros

On Friday, March 21, 2014 2:41:35 PM UTC, David Fanning wrote:

> Petros Syntelis writes:

>

>

>

>> Has anybody tried to create transparent images with axis and done it correctly?

>

>

>

> Not this way, no. :-)

>

>

>

> Too much going on here for the hacking that has to take place in direct

>

> graphics. I would do this a completely different way. I would write the

>

> program like this:

>

>

>

> ;*****

>

> PRO Example, PS=ps

>

>

>

> ; Fake images.

>

> im1 = cgDemoData(7)

>

> im2 = cgDemoData(21)

>

> im3 = cgDemoData(22)

>

> im4 = cgDemoData(5)

>

>

```
>
> ; Build composite images.
>
> cgDisplay, 400, 500, WID=2, /Pixmap
>
> cgimage, im1
>
> cgimage, im4, ctindex=33, $
>
>   AlphaFGPos=[0.0,0.25,1.0,0.75], transparent=50
>
> snap1 = cgSnapShot()
>
>
>
> cgimage, im2
>
> cgimage, im4, ctindex=33, $
>
>   AlphaFGPos=[0.0, 0.25, 1.0, 0.75], transparent=50
>
> snap2 = cgSnapShot()
>
>
>
> cgimage, im3
>
> cgimage, im4, ctindex=33, $
>
>   AlphaFGPos=[0.0, 0.25, 1.0, 0.75], transparent=50
>
> snap3 = cgSnapShot()
>
>
>
> ; Delete the Pixmap.
>
> WDelete, 2
>
>
>
> ; Set multimargin and character size values.
>
> mm = 12
>
> cs = 2.25
>
>
```

```

>
> ; Need a PostScript file?
>
> IF Keyword_Set(ps) THEN BEGIN
>
>   cgPS_Open, 'example.ps'
>
>   mm = 8
>
>   cs = 1.75
>
> ENDIF
>
>
>
> ; Display them.
>
> cgDisplay, 1200, 500
>
>
>
> !P.Multi=[0,3,1]
>
> cgimage, snap1, multimargin=mm, /axes, $
>
>   OPosition=opos, axkey={charsize:cs}
>
> yrange = opos[3] - opos[1]
>
> p1 = opos[1] + yrange*0.25
>
> p3 = opos[3] - yrange*0.25
>
> cgPlot, [1], /NoData, /NoErase, Charsize=cs, $
>
>   Position=[opos[0], p1, opos[2], p3], AxisColor='red'
>
>
>
> cgimage, snap2, multimargin=mm, /axes, $
>
>   OPosition=opos, axkey={charsize:cs}
>
> yrange = opos[3] - opos[1]
>
> p1 = opos[1] + yrange*0.25
>
> p3 = opos[3] - yrange*0.25

```

```

>
> cgPlot, [1], /NoData, /NoErase, Charsize=cs, $
>
>   Position=[opos[0], p1, opos[2], p3], AxisColor='red'
>
>
>
> cgimage, snap3, multimargin=mm, /axes, OPosition=opos, $
>
>   axkey={charsize:cs}
>
> yrange = opos[3] - opos[1]
>
> p1 = opos[1] + yrange*0.25
>
> p3 = opos[3] - yrange*0.25
>
> cgPlot, [1], /NoData, /NoErase, Charsize=cs, $
>
>   Position=[opos[0], p1, opos[2], p3], AxisColor='red'
>
>
>
> !P.Multi=0
>
>
>
> IF Keyword_Set(PS) THEN BEGIN
>
>   cgPS_Close, /PNG
>
> ENDIF
>
>
>
> END
>
> ,*****
> ,
>
>
>
> To see it on the display:
>
>
>
> IDL> Example
>
>

```

>
> To see it in a PostScript and PNG file:
>
>
>
> IDL> Example, /PS
>
>
>
> 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.")
