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.")
