
Subject: cgimage not generating output with cgps_open and cgps_close (fine in X window) .

Posted by [JTMHD](#) on Mon, 20 Oct 2014 16:50:48 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi All,

I'm not getting what I expect to get when I try to make postscript or PNG output by nestinng a cgimage command in cgps_open and cgps_close so was wondering if anyone could point me in the right direction.

Now, if I say run

```
testarray=dist(256)
```

```
title='E$\subx$'
```

```
xtitle = 'x [c$\omega$$\subpe$$\up-1$]'
```

```
ytitle = 't [$\omega$$\subpe$$\up-1$]'
```

```
ct=5
```

```
cgLOADCT, ct, NCOLORS=256
```

```
cgimage,testarray,/axes,$
```

```
xs=1,ys=1,xtitle=xtitle,ytitle=ytitle,title=title, $
```

```
POSITION=[0.15, 0.3, 0.95, 0.9]
```

```
cgCOLORBAR, NCOLORS=256, POSITION=[0.15, 0.13, 0.95, 0.18], $
```

```
RANGE=[min(testarray),max(testarray)],FORMAT='(e11.1)'
```

I see in the x-windows display exactly what I'd expect, the image itself surrounded by axes and the greek characters and super/subscripts work properly.

Now, when attempting to do the same nested in cgps_open / cgps_close, i.e.,

```
testarray=dist(256)
```

```
title='E$\subx$'
```

```
xtitle = 'x [c$\omega$$\subpe$$\up-1$]'
```

```
ytitle = 't [$\omega$$\subpe$$\up-1$]'
```

```
ct=5
```

```
cgLOADCT, ct, NCOLORS=256
```

```
cgPS_OPEN,'testout.ps'
```

```
cgimage,testarray,/axes,$
```

```
xs=1,ys=1,xtitle=xtitle,ytitle=ytitle,title=title, $
```

```
POSITION=[0.15, 0.3, 0.95, 0.9]
```

```
cgCOLORBAR, NCOLORS=256, POSITION=[0.15, 0.13, 0.95, 0.18], $  
RANGE=[min(testarray),max(testarray)],FORMAT='(e11.1)'  
cgPS_CLOSE
```

This does not generate an image, in that the axes and color bar draw correctly, but there is no image drawn within those axes.

If instead of an image I go for a contour plot, as such:

```
testarray=dist(256)
```

```
title='E$\sub{x}$'  
xtitle = 'x [c$\omega$$\sub{p}{e}$$\up{1}$]'  
ytitle = 't [$\omega$$\sub{p}{e}$$\up{1}$]'
```

```
ct=5  
cgLOADCT, ct, NCOLORS=256
```

```
cgPS_OPEN,'testout.ps'  
cgcontour,testarray,/axes,$  
xs=1,ys=1,xtitle=xtitle,ytitle=ytitle,title=title, $  
POSITION=[0.15, 0.3, 0.95, 0.9],/FILL,NLEVELS=256  
cgCOLORBAR, NCOLORS=256, POSITION=[0.15, 0.13, 0.95, 0.18], $  
RANGE=[min(testarray),max(testarray)],FORMAT='(e11.1)'  
cgPS_CLOSE
```

output is expected.

What is peculiar to cgimage and its operation with postscript output that I've missed? Furthermore, I am certain I've actually managed this before (but I'm on a new machine so perhaps some subtlety with setup I've missed) without issue.

Cheers,

Jonathan
