
Subject: cgContour / P.Multi / PDF

Posted by [Matteo](#) on Thu, 19 Apr 2012 00:45:18 GMT

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Hi,

I noticed David's solution to a problem similar to something I'm trying to solve:

<http://www.web-shelf.com/comp.lang.idl-pvwave/Re-How-to-plot-multiple-cgContour-plots-using-the-same-colour-thread-ID29946.aspx>.

I was wondering: if I substitute cgDisplay with cgWindow, and employ the /Add keyword for cgContour and cgColorbar, how come when I save the pdf from the GUI the document is saved in 2 pages instead of one? Even resizing the window deletes one of the two plots

This is the code that replicates the problem:

```
data = cgDemoData(2)
```

```
data1 = Scale_Vector(data, 400, 1500)
```

```
data2 = Scale_Vector(data, 0, 900)
```

```
levels = Indgen(16)*100
```

```
cgLoadCT, 33, NColors=16, Bottom=1
```

```
c_colors = Indgen(16) + 1
```

```
;cgDisplay, 900, 300
```

```
cgWindow,xsize=900,ysize=500
```

```
!P.Multi=[0,2,1]
```

```
ymargin = !Y.OMargin
```

```
!Y.OMargin=[3,10]
```

```
cgContour, data1, Levels=levels, C_Color=c_colors, /Fill, $
```

```
  XStyle=1, YStyle=1, /Add
```

```
cgContour, data2, Levels=levels, C_Color=c_colors, /Fill, $
```

```
  XStyle=1, YStyle=1, /Add
```

cgColorbar, NColors=16, Bottom=1, RANGE=[Min(data), Max(data)], \$

Divisions=16, position = [0.25, 0.85, 0.75, 0.89], /Add

!P.Multi=0

!Y.OMargin = ymargin

end

Subject: Re: cgContour / P.Multi / PDF

Posted by [David Fanning](#) on Fri, 20 Apr 2012 21:13:51 GMT

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Matteo writes:

- > Another thing I noticed that doesn't work is the xtick_get keyword,
- > when the /Add keyword is present.
- > Can that be fixed as well?

No, that can't be fixed in this system, which uses keyword inheritance for keywords. If you need the information, you will have to draw your plot in a regular graphics window (maybe a pixmap, if you don't want anyone to see you doing it), and get the information from there.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
