
Subject: Re: Trouble with positioning cgColorbars while using !P.Multi

Posted by [David Fanning](#) on Wed, 12 Dec 2012 19:57:38 GMT

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

Leah Huk writes:

> I am creating some postscript files with 4 contour plots each using !p.multi. I would like each plot to have it's own colorbar positioned with it as they all have unique ranges. I've dug around and found that use of the POSITION keyword is not compatible with !p.multi. Is there another way for me to position each colorbar with it's corresponding plot, instead of all on top of each other and in the middle of the plots? Or am I doomed to use the position keyword for every plot and every colorbar? This seems daunting to implement; I have my cgContour and colorbar command embedded within a set of for loops for ease of plotting many many parameter "slices" of a rather large data grid.

>

You are pretty much doomed.

Acutally, if it took you 30 seconds to rough out where four plots are suppose to go in a window, I think you would probably be taking too much time, but maybe we have different ideas of what is "daunting". :-)

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: Trouble with positioning cgColorbars while using !P.Multi

Posted by [David Fanning](#) on Wed, 12 Dec 2012 20:30:08 GMT

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

David Fanning writes:

> Acutally, if it took you 30 seconds to rough out where
> four plots are suppose to go in a window, I think you would probably
> be taking too much time, but maybe we have different ideas
> of what is "daunting". :-)

Here you go. Took me five minutes, but tweak as needed. :-)

PS_Start

```
cgLoadCT, 4, /Brewer, /Reverse
```

```
cgdisplay
```

```
p = Fltarr(4, 4)
```

```
p[*,0] = [0.10, 0.55, 0.45, 0.85]
```

```
p[*,1] = [0.55, 0.55, 0.95, 0.85]
```

```
p[*,2] = [0.10, 0.10, 0.45, 0.40]
```

```
p[*,3] = [0.55, 0.10, 0.95, 0.40]
```

```
cbp = FltArr(4,4)
```

```
cbp[*,0] = [0.10, 0.90, 0.45, 0.93]
```

```
cbp[*,1] = [0.55, 0.90, 0.95, 0.93]
```

```
cbp[*,2] = [0.10, 0.45, 0.45, 0.48]
```

```
cbp[*,3] = [0.55, 0.45, 0.95, 0.48]
```

```
FOR j=0,3 DO BEGIN
```

```
  cgContour, cgDemoData(18), /Fill, Position=p[*,j], NOERASE=(j NE 0)
```

```
  cgColorbar, position=cbp[*,j]
```

```
ENDFOR
```

```
PS_End, /PNG
```

```
END
```

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.")
