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

Posted by [Matthew Argall](#) on Sun, 16 Dec 2012 17:26:35 GMT

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On Wednesday, December 12, 2012 2:10:15 PM UTC-5, Leah Huk wrote:

> 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.

I wrote a program that you can download with the link below. You can specify the layout of each plot, the margins, gaps between plots, etc. It works like !p.multi, but with more control and defaults to the IDL defaults. For an example of how it works, there is a main level program at the end (IDL> .r plot_positions)

The position of each plot is returned as an [n,m,4] array, where n and m are the number of columns and rows, respectively.

https://www.dropbox.com/sh/60ccv0053hvakji/dDBb-fbR1I/MrPlot/utilities/plot_utils/plot_positions.pro
