Subject: Re: How to plot multiple cgContour plots using the same colour levels (but containing differing data)
Posted by David Fanning on Tue, 31 May 2011 04:03:53 GMT
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Balt writes:

> Well, since by clipping to less than the max value I'm always going to
> be below the max color palette entry, out of bounds should not be a
> condition that ever occurs?

Sorry, I guess I miss understood what you were trying
to do. Is this the kind of thing you are trying to do?

```
data = cgDemoData(2)
data1 = Scale_Vector(data, 400, 1500)
data2 = Scale_Vector(data, 0, 900)
data3 = Scale_Vector(data, 250, 1350)

levels = Indgen(16)*100
cgLoadCT, 33, NColors=16, Bottom=1
c_colors = Indgen(16) + 1
cgDisplay, 900, 300
!P.Multi=[0,3,1]
ymargin = !Y.OMargin
!Y.OMargin=[3,10]
cgContour, data1, Levels=levels, C_Color=c_colors, /Fill, $
   XStyle=1, YStyle=1
cgContour, data2, Levels=levels, C_Color=c_colors, /Fill, $
   XStyle=1, YStyle=1
cgContour, data3, Levels=levels, C_Color=c_colors, /Fill, $
   XStyle=1, YStyle=1
cgColorbar, NColors=16, Bottom=1, RANGE=[Min(data), Max(data)], $
   Divisions=16, position = [0.25, 0.85, 0.75, 0.89]
!P.Multi=0
!Y.OMargin = ymargin
END
```

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.")