## Subject: Re: Adjacent plot question
Posted by David Fanning on Thu, 07 Dec 2006 00:05:20 GMT

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Richard G. French writes:

> I'd like to have three vertical plots abutted vertically, with the bottom
> plot having the labels on the x axis and the other plots just having tick
> marks. I can use the YMARGIN=[lower,upper] keyword to the plots, but I have
> not succeeded in getting all the plot boxes to have the same size, because
> the bottom plot gets vertically scrunched in order to have room for the x
> axis tick mark lables. Does someone have a handy driver routine to handle
> this, or do I need to fiddle around with the POSITION keyword? Even here,
> how can I make sure that the axis boxes all have the same size? Thanks!

Here is how I make a stacked ladder plot:

  http://www.dfanning.com/graphics_tips/ladder_plot.html

Unfortunately, you have to fool around with POSITION,
I think. What you could do, to make this easy on yourself,
is something like this:

  Window, XSize=300, YSize=600 ; Window for plot.
  p = Aspect(3.0) ; normalized coordinates for 3/1 plot ratio
  p1 = p[1]
  len = (p[3] - p[1]) / 3
  p2 = p1 + len
  p3 = p1 + (2*len)
  p4 = p[2]

Now p1 through p4 are the Y values you need (in normalized
coordinates) for the three equal-area plots. p[0] and p[2]
are the x coordinates.

Cheers,

David
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Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")