Subject: Re: multiple plots with different ranges
Posted by davidf on Fri, 20 Nov 1998 08:00:00 GMT

J.D. Smith (jdsmith@astrosun.tn.cornell.edu) answers
John Boccio's question with this:

> Just save the !X and !Y system variables and reset them before
> oplotting:

I don't know why at the moment, but I've always been in the
habit of saving !X, !Y, and !P. I *think* there is something
in !P that also needs to be restored when moving from one
plot to the other, but maybe this is one of my old wive's
tales. ;-)

Cheers,

David

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Subject: Re: multiple plots with different ranges
Posted by J.D. Smith on Fri, 20 Nov 1998 08:00:00 GMT

John Boccio wrote:
>
> Hi,
>
> I would like to be able to plot as I calculate the points
> for three curves in three different windows with three
> different ranges on the axes.
>
> .....
> .....
> ;set up windows
> window,1
> plot,......xrange = ..., yrange=....,...../nodata
> window,2
> plot,......xrange = ..., yrange=....,...../nodata
> window,3

> plot,......xrange = ..., yrange=....,....,/nodata
> ;loop to generate points
> ;inside loop
> wset,1
> oplot,......
> wset,2
> oplot,......
> wset,3
> oplot,......
> ....
> ....
>
> The curves plot correctly in each separate window, but
> and the axis labes on the screen are the right ones for
> each window, but
>
> the xrange and yrange values used in all windows correspond
> to window 3 values..... the last time the range values were set!!!
>
> how can I get different range values to correctly appear in each
> window?
>
> I know I can plot all the data at the end of the loop into three
> separate windows, but we really want students to see the three
> curves being generate dat the same time point by point.
>
> Thanks,
>
> John Boccio
> boccio@swarthmore.edu

Just save the !X and !Y system variables and reset them before
oplotting:

window,1
plot,...
x1=!X & y1=!Y
window,2
plot,...
x2=!X & y2=!Y
window,3
plot,...
x3=!X & y3=!Y
...
wset,1
!X=x1 & !Y=y1
oplot,....
...

Good luck,

JD

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