
Subject: intermittent window plotting

Posted by [biermane](#) on Mon, 27 Feb 2006 22:09:28 GMT

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I'm working on a windows XP machine, 2GB ram, 3GHZ processor. I am using p.multi to put multiple plots on a page. For each individual plot, a certain number of calucations and fitting need to be done which take a finite amount of time. I want to make plots of different combinations of each individual plot.

i.e. If I have 10 items to plot, and I want to make 5 different pages of different combinations of 7 different items in any order, I need to open 5 different windows. Then as I loop through, I can plot to each of the items in the different windows that have that item

I tried looking in the help menu under the plot procedure, device call word, window function, wset function, and p.multi function but there was no informaiton or example. I tried doing this with the wset and window functions but it doesn't work with either.

I could just rerun the loops with different plot parameters but this would take a while. I could also imagine storing all the plot variables and rerunning the loops just replotting the variable but this doesn't seem very elegant or the correct way to do it.

Any ideas on how to do this or other resources to look at?

thank you

Subject: Re: intermittent window plotting

Posted by [David Fanning](#) on Tue, 28 Feb 2006 19:25:10 GMT

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biermane@gmail.com writes:

- > In response to David's questions:
- > I am trying to plot to the different windows intermittently, not
- > consecutively. I am not trying to make 5 plots of the 10 items, I am
- > trying to make 5 plots of 7 different combinations of the 10 items:
- > such as plotting items #
- > 1,2,3,4,5,6, 7
- > 4,5,6,7,8,9,10
- > 1,3,5,7,8,9,10
- > 2,4,6,7,8,9,10
- > 1,4,5,6,8,9,10
- >
- > Instead of having to rerun the loop to calculate everything over again
- > or save everthing in variables, I just want to plot to different
- > windows intermittently.
- > thx so much for the help

Yes, you are going to have to keep track of so many things with !P.MULTI that it is not worth using it. If I were you, I'd come up with another plan. :-)

POLYFILL to erase the portion of the window you want to draw in, and PLOT commands with NOERASE=1 is probably a LOT easier to implement.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: intermittent window plotting

Posted by [biermane](#) on Tue, 28 Feb 2006 20:02:09 GMT

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thx so much for the help!

I was trying to keep my example simple but in reality I'm trying something even slightly more complicated. I have 72 items that I want to plot in groups of 6 or 12 in either 2 X 3 multi's or 3 X 4 mutli's in log-log and log-linear plots.

Erasing plots would work for pmultis of the same size. What would you suggest for plots of different sizes or log-log vs log-linear? Did RSI not build in a way to intermittently plot somehow?

Subject: Re: intermittent window plotting

Posted by [David Fanning](#) on Tue, 28 Feb 2006 20:26:10 GMT

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biermane@gmail.com writes:

- > I was trying to keep my example simple but in reality I'm trying
- > something even slightly more complicated. I have 72 items that I want
- > to plot in groups of 6 or 12 in either 2 X 3 multi's or 3 X 4 mutli's
- > in log-log and log-linear plots.
- >
- > Erasing plots would work for pmultis of the same size. What would you
- > suggest for plots of different sizes or log-log vs log-linear?

Huh!? I don't understand this question. What does log-log or log-linear have to do with erasing!?

Polyfill will erase any area of the window. I presume you know where you want the plot to be drawn.

> Did RSI not build in a way to intermittently plot somehow?

I'm having difficulty with the word "intermittently".
I feel like I am in the middle of the Prince's Bride:

"Inconceivable!"

"You keep using that word. I do not think it means what you think it means."

What do you think "intermittently" means? It is entirely possible, of course, that it is *me* who is confused. :-)

In any case, I don't have the faintest idea how to answer your question.

Cheers,

David

--

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Subject: Re: intermittent window plotting
Posted by [Paul Van Delst\[1\]](#) on Tue, 28 Feb 2006 20:55:10 GMT
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David Fanning wrote:

> biermane@gmail.com writes:

>

>> I was trying to keep my example simple but in reality I'm trying
>> something even slightly more complicated. I have 72 items that I want
>> to plot in groups of 6 or 12 in either 2 X 3 multi's or 3 X 4 mutli's
>> in log-log and log-linear plots.

>>

>> Erasing plots would work for pmultis of the same size. What would you
>> suggest for plots of different sizes or log-log vs log-linear?

>
>
> Huh!? I don't understand this question. What does
> log-log or log-linear have to do with erasing!?
>
> Polyfill will erase any area of the window. I
> presume you know where you want the plot to be
> drawn.
>
>
>> Did RSI not build in a way to intermittently plot somehow?
>
>
> I'm having difficulty with the word "intermittently".
> I feel like I am in the middle of the Prince's Bride:
>
> "Inconceivable!"
>
> "You keep using that word. I do not think it means
> what you think it means."

Ha ha! One of my favourite movie lines! :oD

I was going to suggest that the OP use a widget that contains his windows. He can use the base user value to save all the relevant plotting information, and can stick in some buttons that let him flip through the windows (I tried some multi-window plotting the other month, and more than two windows on my screen overloads me.)

As I recall, Liam Gumley also had some "frame" tools that allowed one to set up mutiple plot frames viewed via a single window. Command line tools then let one display the frames sequentially or randomly.

paulv

p.s. Google gave me: <http://cimss.ssec.wisc.edu/~gumley/frame.html>
but he may have more up to date tools.

--

Paul van Delst
CIMSS @ NOAA/NCEP/EMC

Subject: Re: intermittent window plotting
Posted by [David Fanning](#) on Tue, 28 Feb 2006 21:35:20 GMT
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Paul Van Delst writes:

> Ha ha! One of my favourite movie lines! :oD

My favorite, and one my kids wish I would stop using, is in this exchange between Wesley and the Spaniard:

"Who are you!?"

"No one of consequence."

"No, tell me, I must know."

"Get used to disappointment."

Cheers,

David

--

David Fanning, Ph.D.

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