
Subject: oplot with colours

Posted by [b.a](#) on Fri, 31 Jul 2009 03:29:58 GMT

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Hi,

I am writing a program (using IDL workbench) and I have two questions about plotting data. I appreciate if anyone can help.

1) In my program, I need to plot several data on the same draw window. I know that oplot does this but even for the first curve, I don't want to use plot. Is there anyway that I ignore having plot for the first one and then using oplot?

2) For each curve, I want to have different colour and on the draw window, I need to show that each colour represents which curve.

Thank you
Afra

Subject: Re: oplot with colours

Posted by [David Fanning](#) on Fri, 31 Jul 2009 06:37:40 GMT

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b.a writes:

- > Plot, [0,1], /NoData, YSTYLE=4, XSTYLE=4, X RANGE=[0,10], Y RANGE=[0,1]
- > and it fixed the first problem. But is there any way that I can
- > selectively remove the plotted curves? for example, by clicking the
- > button relevant to each curve, I want it to be off the draw window.

I think maybe you should try iPlot. :-)

If you want to interact with a plot (click buttons, for example) you are going to have to learn to write widget programs. Do you know anything about that?

If you want a curve to disappear. Draw the plot over without that curve in it. That's how it's done.

Cheers,

David

--

David Fanning, Ph.D.

Subject: Re: oplot with colours
Posted by [b.a](#) on Fri, 31 Jul 2009 07:13:41 GMT
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In my program, there is a main widget which has "button1". each time "button1" is pressed, a relevant file opens and according to the data values in that file, a curve is plotted (actually Oplotted) on the draw window. For each curve, there exists a "remove button". Now I want to remove the relevant curve (plot) , whenever "remove button" is clicked.

As far as I know if I use iplot, each time a curve is plotted, it would be a new popup window. I don't know how to appear that window in my GUI. and by the way I didn't understand "Draw the plot over without that curve in it".

Thank you
Afra

Subject: Re: oplot with colours
Posted by [David Fanning](#) on Fri, 31 Jul 2009 14:07:07 GMT
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- > clicked.
- >
- > As far as I know if I use iplot, each time a curve is plotted, it
- > would be a new popup window.

You haven't been here long enough to fully appreciate Coyote's sense of humor. (Sometimes he writes these articles while I'm playing tennis.) Ignore the iPlot suggestion. He was making a joke.

- > I don't know how to appear that window in

> my GUI. and by the way I didn't understand "Draw the plot
> over without that curve in it".

Presumably you have a list of the things you have plotted in the window. (Maybe you made a pointer array or used a LinkedList or something, so you can re-draw them in the window, if needed.) To delete a plot, just remove it from that list and re-plot the rest of the items in the list. Or, maybe you have a flag of list indices, and you only plot the items in the list if the flag is set to 1. Something along those lines.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: oplot with colours
Posted by [b.a](#) on Mon, 03 Aug 2009 02:31:23 GMT
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On Aug 1, 12:07 am, David Fanning <n...@dfanning.com> wrote:

> b.a writes:
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>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:<http://www.dfanning.com/>
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Yea, I am using Hashtable to keep track of the data and removing the selected plot and replotting it, should serve the purpose. I will try that.

By the way, it takes time to understand Coyote's sense of humor :)

Thanks a lot.
Afra
