
Subject: Re: interactive plotting and ps output.
Posted by [davidf](#) on Fri, 14 Apr 2000 07:00:00 GMT
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Brad Gom (b_gom@hotmail.com) writes:

> However, I have found that getting plots that are even close to the same
> quality as direct-graphics gets extremely tedious. If the output
> quality (ie the publishability of the titles and axes, etc.) is
> important to you, you might be better off with a direct-graphics
> solution (-that is unless you need fancy 3-d features and lighting
> effects as well).

This has certainly been my experience. For example, I wrote a very nice direct graphics contour object that gives the user complete interactivity with menus and forms, etc. to display the graphic in any form they like. The huge advantage of a direct graphics contour object (aside from the obvious one of no contour labelling in object graphics) is that printing and saving the file in various formats is trivially easy.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting
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Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: interactive plotting and ps output.
Posted by [Brad Gom](#) on Fri, 14 Apr 2000 07:00:00 GMT
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Hi Theo,

I've been working on a program that requires the same sort of plot manipulation that you describe, and in the process have been forced to build my own general-purpose object-graphics plot object-widget (that is, an object-widget that draws customizable plots using object graphics). Object graphics simplifies things like data-picking, which is necessary in order to select components of the plot for modification.

However, I have found that getting plots that are even close to the same quality as direct-graphics gets extremely tedious. If the output

quality (ie the publishability of the titles and axes, etc.) is important to you, you might be better off with a direct-graphics solution (-that is unless you need fancy 3-d features and lighting effects as well).

good luck

Brad

Theo Brauers wrote:

> Hi:
>
> I followed the discussion about object graphics and real(vector)
> postscript files. After I realized that object graphics can write
> ps vector code I'd like to renovate a widget driven tool and I'd
> like to have a live_tools like functionality where you click on
> axis, data, ... with some more options like second y axis, all
> the things which we have in direct graphics. Is there anything
> out which can provide interactive changing of axis, title,
> with the full set of options of PLOT, OPLOT, AXIS, ?
>
> Thanks Theo
>
> ---
> Theo Brauers
> Institut fuer Atmosphaerische Chemie (ICG-3)
> Forschungszentrum Juelich
> 52425 JUELICH, Germany
> Tel. +49-2461-61-6646 Fax. +49-2461-61-5346
> [http://www.kfa-juelich.de/icg/icg3/MITARBEITER/th.brauers.ht ml](http://www.kfa-juelich.de/icg/icg3/MITARBEITER/th.brauers.html)

Subject: Re: interactive plotting and ps output.
Posted by [Patrick Broos](#) on Fri, 14 Apr 2000 07:00:00 GMT
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<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>

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 </blockquote>

Theo,

Subject: Re: interactive plotting and ps output.
Posted by [davidf](#) on Fri, 14 Apr 2000 07:00:00 GMT
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Theo Brauers (th.brauers@fz-juelich.de) writes:

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And your budget is how much? :-)

Cheers,

David

--

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Subject: Re: interactive plotting and ps output.
Posted by [davidf](#) on Mon, 17 Apr 2000 07:00:00 GMT
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Theo Brauers (th.brauers@fz-juelich.de) writes:

> Thanks for your advice. I better stick with direct graphics for
> simple xy scatter plots of larger data sets. However, re-plotting
> the whole thing after having changed the size of an axis title
> doesnt sound like a good idea.

I suspect you will like it less in object graphics, where
the re-display is just as necessary, and often a whole LOT
slower. :-)

Cheers,

David

--

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Posted by [Theo Brauers](#) on Mon, 17 Apr 2000 07:00:00 GMT
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David Fanning wrote:

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> Cheers,
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> David

Subject: Re: interactive plotting and ps output.
Posted by [Theo Brauers](#) on Mon, 17 Apr 2000 07:00:00 GMT

David:

I want it for free :-) . Best solution (for me perhaps not for you): RSI provides a full set of live_** functions which gives me and all the other a simple interface to obj-graphics. With source code included. Some users of my idl programs like to have this "Origin" like features.

I called Creaso (german RSI sales rep) on friday but they said the IDL source of live_** and insight was not available.

Best,

Theo

David Fanning wrote:

```
>
> Theo Brauers (th.brauers@fz-juelich.de) writes:
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