Subject: Re: Object Graphics when using 'stop'
Posted by Randall Skelton on Sat, 11 May 2002 06:52:21 GMT

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Well this is certainly not good news... The whole point of me using OG was
so that I could actively pan-and-scan through a very complex data array.
Personally, I need to be able to do this when I use STOP or set
breakpoints.

Surely all those die-hard proponents of IDL OG will be hard at work this
weekend trying to come up with a fix for this ;) In the meantime, I'll be
forwarding my complaint to RSI UK!

Cheers,
Randall

PS: David, on what page of your book is this bizarre IDL widget behavior
described? Surely you have an insightful comment to add? After all, it
was _your_ book that convinced me that widget-based viewers using object
graphics was the way forward. Note, of course, that I do not hold _you_
responsible for my duress as I try and view matrices using shad_surf and
for-loops. Surprisingly, the 'window refresh' actually reminds me of
making little cartoon flip-books in grade school. I am now beginning to
long for the days when my only concern was how to best dispose of the 30
celery sticks my mom packed in my lunch...

On Fri, 10 May 2002, Rick Towler wrote:

> Ahhh, widgets....
>
> Issuing the STOP command stops xmanager's ability to process events. Since
> OG widget programs rely on events to draw the view to the window this never
> happens and you get the black window of despair. Direct graphics widget
> programs will possibly draw the initial plot but will not be able to process
> events either.
>
> I can't explain the details but I'm sure someone else in the group can.
>
> A non widget program will run as expected after issuing a stop. I created a
> simple non-widget OG program that I could pass data to plot after issuing a
> stop. You could craft yourself some nice little tools to do line and
> surface plots which automagically scale and rotate objects. You lose the
> ability to manipulate them and cleanup is awkward. You would probably have
> to use READ to wait for a keypress before destroying the objects.
>
> Or maybe you just look at your data using DG. So that's why they are
> keeping DG around....
>

> -Rick
>
>
> "Randall Skelton" <rhskelto@atm.ox.ac.uk> wrote in message
> news:Pine.LNX.4.33.0205101048540.16883-100000@mulligan.atm.o x.ac.uk...
>> With regard to more context, imagine a procedure aptly named 'test':
>>
>> PRO TEST
>>   DATA = BESELJ(SHIFT(DIST(40),20,20)/2,0)
>>   STOP
>> END
>>
>> When I run this in IDL I get:
>>
>> IDL> test
>> % Compiled module: TEST.
>> % Compiled module: DIST.
>> % Stop encountered: TEST   5 /blah/.../blah/test.pro
>>
>> If I try and plot 'data' with an object graphics routine like
>> 'fsc_surface', or any of the RSI example code 'show3_track',
>> 'test_surface' all I get is a black window? Moreover, all of these
>> routines have built-in data (in the event that the user doesn't pass an
>> array) and even this fails to display when my routine is stopped. Of
>> course, once I continue the program and allow it to finish, everything is
>> fine and the object-graphics window fills with the expected surface.
>>
>> Any help would be greatly appreciated!
>>
>> Cheers,
>> Randall
>>
>> IDL 5.3 (soon to be 5.5); RH Linux 7.x; XFree 4.0.3
>>
>> On Fri, 3 May 2002, Rick Towler wrote:
>>
>>> Hi Randall,
>>>
>>> Can you provide some more context? I just stopped an OG program,
>>> manipulated objects and drew the window. Is that what you are trying to
> do?
>>>
>>> -Rick
>>>
>>>
>>> "Randall Skelton" <rhskelto@atm.ox.ac.uk> wrote in message
>>> news:Pine.LNX.4.33.0205021605500.27169-100000@mulligan.atm.o x.ac.uk...
>>>> Hi all,

>>>>
>>>> I'm using IDL 5.3 under linux and I have a curious question. For
>>>> perspective, I tend to do most of my coding from the command line and
> not
>>>> the gui (yes, I do use the 'stop' command a lot). I routinely check
> the
>>>> contents of variables with 'print' and 'plot' commands to determine if
> my
>>>> calculations look reasonable. My problem is, once I have issued a
> 'stop'
>>>> command I cannot use object graphics to plot anything. All I get is a
>>>> black background window that is usually dissociated from xmanager.
> I'm
>>>> sure there is a good reason for this but I'm stymied. Any thoughts?
>>>>
>>>> Cheers,
>>>> Randall
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>