
Subject: Re: IDL 8 Display Updating Question
Posted by [Gray](#) on Tue, 28 Sep 2010 16:22:54 GMT
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On Sep 28, 12:01 pm, David Fanning <n...@dfanning.com> wrote:

> Folks,
>
> I realize it is possible to turn off display updating by
> disabling the Refresh method of an object:
>
> gobj = Barplot(/TEST)
> gobj.Refresh, /DISABLE
> ... lots of changes
> gobj.Refresh ; Now display the updated object
>
> But you still see the initial bar plot (in this case)
> and then there is a delay until the new, updated object
> appears.
>
> How would I turn off the initial display of the object?
>
> I have tried writing the initial display to a buffer:
>
> gobj = Barplot(/TEST, /BUFFER)
>
> But then I can't figure out how to actually open a
> new window and display the updated object in it. I
> was hoping for something like this:
>
> gobj = Barplot(/TEST, /BUFFER)
> gobj.Refresh, /DISABLE
> ... lots of changes
> win = Window()
> gobj.Refresh, /CURRENT
>
> But that doesn't work. Any ideas?
>
> 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.")

What I think you're looking for is gobj.hide = 1 and then gobj.hide = 0.

Subject: Re: IDL 8 Display Updating Question
Posted by [David Fanning](#) on Tue, 28 Sep 2010 16:35:41 GMT
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Gray writes:

> What I think you're looking for is `gobj.hide = 1` and
> then `gobj.hide = 0`.

Well, that's a little better. Now I just see the axes
sitting there until the final plot is ready. Which is
better than seeing the initial plot, I guess.

Is there any way to just see a blank window setting there
until I am ready to put something in it?

Cheers,

David

--

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Subject: Re: IDL 8 Display Updating Question
Posted by [David Fanning](#) on Tue, 28 Sep 2010 16:44:06 GMT
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David Fanning writes:

> Is there any way to just see a blank window setting there
> until I am ready to put something in it?

Or, another way of asking this question. Is it possible
to write a graphic display to the BUFFER, and then later
attach it to an open window?

And while we are on it, the most disconcerting thing
about these new graphics objects is how keywords are
just ignored:

```
win = Window(/HIDE)
```

Apparently, HIDE is not a valid keyword for Window,

because nothing happens. But no errors and I can blithely continue with win.hide=0, etc. No feedback whatsoever.

Surely there is some object at the bottom (or is it top?) of the widget hierarchy and is the last one to be passed these keywords. Shouldn't that object be defined with a `_STRICT_EXTRA` construction so that these errors can be trapped!?

Cheers,

David

--

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Subject: Re: IDL 8 Display Updating Question
Posted by [joseandres](#) on Tue, 28 Sep 2010 17:01:41 GMT
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How about:

```
win = Window()
win.Refresh, /DISABLE
!null = Barplot(/test, /overplot)
win.Refresh
```

Subject: Re: IDL 8 Display Updating Question
Posted by [David Fanning](#) on Tue, 28 Sep 2010 17:07:33 GMT
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joseandres writes:

```
> How about:
>
> win = Window()
> win.Refresh, /DISABLE
> !null = Barplot(/test, /overplot)
> win.Refresh
```

OK, that seems to work. Thanks! :-)

Cheers,

David

--

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Subject: Re: IDL 8 Display Updating Question

Posted by [Matt Haffner](#) on Tue, 28 Sep 2010 18:05:32 GMT

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That's probably a better solution than what I found, but for posterity:

```
p = plot(/test,/hide) & p['AXES'].hide=1
```

There's minor flashing as the axes are briefly drawn, however. It turns out that the AXES are siblings, not children, of the PLOT, so the hide on PLOT doesn't carry down to them.

Unless I'm missing something, I couldn't find a "high-level" way to get a pointer to the axes drawn by PLOT() without using this iTools notation. If you need to fiddle with the main axes after they're up, you can get at them with p['AXISn']: replace 'n' with 0-3 for bottom, left, top, and right axes if you used box-style. The AXES path above is a container that holds them all and has a few properties you can tweak.

mh

On Sep 28, 12:07 pm, David Fanning <n...@dfanning.com> wrote:

> joseandres writes:

>> How about:

>

>> win = Window()

>> win.Refresh, /DISABLE

>> !null = Barplot(/test, /overplot)

>> win.Refresh

>

> OK, that seems to work. Thanks! :-)

>

> Cheers,

>
> David
>
> --
> David Fanning, Ph.D.
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Subject: Re: IDL 8 Display Updating Question
Posted by [David Fanning](#) on Tue, 28 Sep 2010 18:13:53 GMT
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Matt Haffner writes:

> That's probably a better solution than what I found, but for
> posterity:
>
> p = plot(/test,/hide) & p['AXES'].hide=1
>
> There's minor flashing as the axes are briefly drawn, however. It
> turns out that the AXES are siblings, not children, of the PLOT, so
> the hide on PLOT doesn't carry down to them.

I wrote an article this morning with various solutions:

http://www.dfanning.com/ng_tips/speedup.html

It is probably mis-named as "SpeedUP", as I am not convinced anything really speeds up. But at least it brings the annoying update problems under some kind of control.

I'm always interested in hearing about better or different solutions. :-)

Cheers,

David

--
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