

---

Subject: Re: IDL Objects Graphics cache and crash  
Posted by [Mark Hadfield](#) on Sun, 10 Mar 2002 20:38:26 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

"Altyntsev Dmitriy" <alt@iszf.irk.ru> wrote in message  
news:6b9fda50.0203100016.76b8433d@posting.google.com...  
> I am trying now to turn to IDL Objects Graphics so a pair of  
> questions to IDL gurus.

None of the gurus seem to have replied yet, so I'll have a go.

> In IDL online help topic "The Graphics Object Hierarchy -> The  
> Rendering Process" one can read about draw cache: "Subsequent draws  
> of this graphic atom to the same destination can then be drawn very  
> efficiently."

Hey cool! I never noticed that paragraph before. (I've never noticed  
the behaviour it describes, either.)

> But it seems not to work as declared. When I change HIDE property of  
> some graphic atom and then draw window it takes the same time as  
> first drawing. What's wrong?

Probably the documentation.

By the way, I find the paragraph immediately before the one you refer  
to particularly amusing--the one that begins, "The order in which  
objects are added to the hierarchy will have an impact...". It fails  
to mention the fact that the visibility of all OG atoms, except  
images, is controlled by position in 3D space, not by drawing order.

> I tried different renderer and retain, but can not get any  
> acceleration. I use Win98, IDL 5.4, video ASUS AGP3800.

Well, you've already anticipated my only suggestion, which was to try  
hardware & software renderers.

> Using of IDLgrROI sometimes crashes IDL. It is very unpleasant. May  
> be anyone can advice how avoid these crashes and other OG bugs if  
> any. I use Win98, IDL 5.4

Sorry, I have no suggestion on this specific bug. Can you upgrade to  
IDL 5.5? With object graphics, later is generally better. Do the  
crashes occur with the software renderer? IDL display problems are  
sometimes caused by the video driver and the hardware renderer  
exercises this driver much more than the software one. And of course  
upgrading Windows to one of the NT family (2000, XP) is generally a  
good idea if you want stability.

---

Mark Hadfield  
m.hadfield@niwa.co.nz                      Ka puwaha et tai nei  
http://katipo.niwa.co.nz/~hadfield        Hoesa tatou  
National Institute for Water and Atmospheric Research (NIWA)

---