Subject: Re: ATI graphics cards and IDL object graphics
Posted by Rick Towler on Fri, 27 Mar 2009 16:01:48 GMT
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Hi Ronn,

Over the years I have run into some minor rendering issues with ATI
cards in IDL but nothing like this. I'm sure you've suggested this but
your client should upgrade to the latest driver supplied by ATI (not his
PC vendor). I would also suggest running another openGL based
application to see if you see the same problem. When you say "sometimes
crashes", does IDL exit unceremoniously or does the OS go down? Do you
have "GPU Recover" enabled in the ATI driver control panel?

Like I said, I would first install the latest driver. If that doesn't
fix the problem I would get a replacement card from the PC vendor.

-Rick

rlkling@gmail.com wrote:
> Hello All,
>
> One of my clients just bought a Windows machine with an ATI HD4850
> graphics card and when he has IDL set for hardware rendering we get
> very distorted images and sometimes crashes. Has anyone else seen
> this?
>
> Thanks,
> Ronn Kling
>
> KRS, inc.
> Use these books to upgrade your IDL skills.
> "Application Development with IDL"
> "Calling C from IDL, Using DLM's to extend your IDL code".
>   SECOND EDITION includes C++ and debugging!
>   THIRD EDITION includes writing IDL object methods in C and C++!
> "Power Graphics with IDL, A Beginner's Guide to Object Graphics"
> "IDL primer" A concise introduction to IDL
> "Navigating the IDL workbench" Working with the new IDL 7.0

Subject: Re: ATI graphics cards and IDL object graphics
Posted by rlkling on Fri, 27 Mar 2009 17:44:35 GMT
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On Mar 27, 12:01 pm, Rick Towler <rick.tow...@nomail.noaa.gov> wrote:
> Hi Ronn,

>
> Over the years I have run into some minor rendering issues with ATI
> cards in IDL but nothing like this. I'm sure you've suggested this but
> your client should upgrade to the latest driver supplied by ATI (not his
> PC vendor). I would also suggest running another openGL based
> application to see if you see the same problem. When you say "sometimes
> crashes", does IDL exit unceremoniously or does the OS go down? Do you
> have "GPU Recover" enabled in the ATI driver control panel?
>
> Like I said, I would first install the latest driver. If that doesn't
> fix the problem I would get a replacement card from the PC vendor.
>
> -Rick
>
>

We have the latest drivers downloaded but I will ask about the "GPU
Recover" option.

Crashes as in IDL crashes.

-Ronn

Subject: Re: ATI graphics cards and IDL object graphics
Posted by rlkling on Fri, 27 Mar 2009 20:10:18 GMT
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Yes, the VPUrecover is running and other OpenGL apps work fine. Part
of the strangness is that we took a picture of a grid of squares and
the squares were distored in the X by about a factor of 4...

Subject: Re: ATI graphics cards and IDL object graphics
Posted by rtowler on Mon, 30 Mar 2009 16:10:10 GMT
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On Mar 27, 1:10 pm, rlkl...@gmail.com wrote:
> Yes, the VPUrecover is running and other OpenGL apps work fine. Part
> of the strangness is that we took a picture of a grid of squares and
> the squares were distored in the X by about a factor of 4...

Sheesh. It seems the nems.noaa usenet server is missing more and more
posts these days... Usenet is dead. NOAA said so. I must have
deleted the memo.

I'm stretching here, but is there an "application profile" that is

being loaded when IDL runs? I don't have a modern ATI card installed
in any of my machines so I can't poke around the driver control panel
but usually you can configure settings that get triggered when a
certain .exe is run. Have you tried setting all of those advanced
settings to the default values and/or set them all to "off"? At least
with an older ATI adapter I have here and the Dell OEM drivers you
can't disable some "features" but you can at least uncheck
"application preference" and force a certain mode.

What version of IDL?

-Rick

Subject: [OT] Re: ATI graphics cards and IDL object graphics
Posted by Paul Van Delst[1] on Mon, 06 Apr 2009 16:57:11 GMT
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rtowler@gmail.com wrote:
> On Mar 27, 1:10 pm, rlkl...@gmail.com wrote:
>> Yes, the VPUrecover is running and other OpenGL apps work fine. Part
>> of the strangness is that we took a picture of a grid of squares and
>> the squares were distored in the X by about a factor of 4...
>
> Sheesh. It seems the nems.noaa usenet server is missing more and more
> posts these days... Usenet is dead. NOAA said so. I must have
> deleted the memo.

Answers to my complaints to the NOAA MOC (or WOC? I can never remember) are that it is an
upstream issue with the provider (Qwest, I think). Fixing it is probably a very low
priority (for both NOAA and Qwest; wherever the problem is)

> I'm stretching here, but is there an "application profile" that is
> being loaded when IDL runs? I don't have a modern ATI card installed
> in any of my machines so I can't poke around the driver control panel
> but usually you can configure settings that get triggered when a
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> with an older ATI adapter I have here and the Dell OEM drivers you
> can't disable some "features" but you can at least uncheck
> "application preference" and force a certain mode.
>
> What version of IDL?
>
> -Rick