
Subject: Re: v8.1 joys :-(

Posted by [chris_torrence@NOSPAM](#) on Fri, 15 Apr 2011 19:27:22 GMT

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On Apr 15, 11:44 am, Haje Korth <hajeko...@gmail.com> wrote:

```
> Just installed v8.1, did not take long to find this one:
>
> % Interrupted at: IDLITVISAXIS::DRAW 1649 C:\Program
> Files\ITT\IDL\IDL81\lib\tools\components\idlitvisaxis__de fine.pro
> % Attempt to call undefined procedure/function: 'F'.
> IDL> .f
> % Execution halted at: IDLITVISAXIS::DRAW 1649 C:\Program
> Files\ITT\IDL\IDL81\lib\tools\components\idlitvisaxis__de fine.pro
> %
> % IDLGRMODEL::DRAW
> % IDLITVISDATASPACE::DRAW 2333 C:\Program
> Files\ITT\IDL\IDL81\lib\tools\framework\idlitvisdataspace __define
> .pro
> % IDLGRSCENE::DRAW
> % IDLITGRSCENE::DRAW 627 C:\Program
> Files\ITT\IDL\IDL81\lib\tools\framework\idlitgrscene __def ine.pro
> % IDLGRSRCDEST::DRAW
> % IDLITTOOL::REFRESHCURRENTWINDOW 2504 C:\Program
> Files\ITT\IDL\IDL81\lib\tools\framework\idlittool __define .pro
> % IROTATE 239 C:\Program
> Files\ITT\IDL\IDL81\lib\tools\irotate.pro
> % GRAPHIC::ROTATE 622 C:\Program
> Files\ITT\IDL\IDL81\lib\graphics\graphic __define.pro
> % PLASMA_DEPRESSION_MAP 90
> C:\USER\korthh1\Projects\MESSENGER\Orbital Operations Data
> Analysis\Plasma Mapping\plasma_depression_map.pro
> % $MAIN$
> % Internal error: Interpreter stack not aligned properly during user
> return.
>
> Restarts suck, looking forward to 8.1.1...
>
> Haje
```

Hi Haje,

I'm wondering if you have a reproduce case for this. One possibility - were you trying to pass in a tickformat callback function, and maybe IDL can't find it?

Regardless, if you crash within IDL's draw loop, and then you try to do a .reset, then IDL will crash because the OpenGL graphics context will be in a bad state. This has been a long-standing bug, and has

nothing to do with IDL 8.1 or new graphics - you can reproduce it with just straight object graphics. We looked into the bug several times, and concluded that it would be extremely difficult to fix (and might even be a vendor-specific problem).

Cheers,
Chris
ITTVIS

Subject: Re: v8.1 joys :-(
Posted by [Haje Korth](#) on Fri, 15 Apr 2011 19:50:51 GMT
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Hi Chris,
What I am doing is creating a surface with `p=surface()` and then rotating it in a loop with `p.rotate,1,/zaxis`. The problem occurs when I break the program execution in the rotation loop using `ctrl+break`. The problem occurs most of the time, but there have been instances where I have been lucky. This is a new piece of code I cooked up today, so this bug may indeed be preexisting, I have not tried older versions.

Haje

On Apr 15, 3:27 pm, Chris Torrence <gorth...@gmail.com> wrote:
> On Apr 15, 11:44 am, Haje Korth <hajeko...@gmail.com> wrote:
>
>
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>> .pro
>> % IDLGRSCENE::DRAW
>> % IDLITGRSCENE::DRAW 627 C:\Program
>> Files\ITT\IDL\IDL81\lib\tools\framework\idlitgrscene__define.pro
>> % IDLGRSRCDEST::DRAW
>> % IDLITTOOL::REFRESHCURRENTWINDOW 2504

```
C:\Program
>> Files\ITT\IDL\IDL81\lib\itools\framework\idltool__define.pro
>> % IROTATE 239 C:\Program
>> Files\ITT\IDL\IDL81\lib\itools\irotate.pro
>> % GRAPHIC::ROTATE 622 C:\Program
>> Files\ITT\IDL\IDL81\lib\graphics\graphic__define.pro
>> % PLASMA_DEPRESSION_MAP 90
>> C:\USER\korthh1\Projects\MESSENGER\Orbital Operations Data
>> Analysis\Plasma Mapping\plasma_depression_map.pro
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> Chris
> ITTVIS
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