
Subject: Re: Plot3D bug in 8.1

Posted by [penteado](#) on Mon, 09 May 2011 16:10:44 GMT

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On May 9, 10:33 am, David Fanning <n...@idlcoyote.com> wrote:

> David Grier writes:

>> I've confirmed that the following code works in IDL 8.0.1

>> but fails in 8.1, even though the documentation for Plot3D

>> has not changed between the two versions:

>

>> x = randomu(seed, 100)

>> y = randomu(seed, 100)

>> z = randomu(seed, 100)

>> orb = orb()

>> p = plot3d(x, y, z, SYM_OBJECT = orb)

>

>> In IDL 8.0.1, this creates an object graphics plot with

>> spheres at the vertices.

>

>> By contrast, IDL 8.1 emits the following error message,

>> and no plot:

>> % PLOT3D: Unknown property: SYM_OBJECT

>> % Execution halted at: \$MAIN\$

>

>> This quite clearly is a bug, therefore.

>

>> Strangely enough, iplot still understands the SYM_OBJECT keyword

>> in IDL 8.1.

>

> I don't know whether this has anything at all to do

> with my theory of IDL 8 function graphics, but it is

> exactly the kind of error I would have predicted for

> these overly complex programs. My theory is that it will

> be nearly impossible to make modifications to these programs

> without breaking something else. If my theory is correct,

> we should see more errors of this type whenever there

> is a new IDL release.

I can confirm the bug, and that it was not present in 8.0. My guess is that it came from the `_strict_extra` that started being used in the Graphics routines, with `sym_object` ending up left out somewhere along the way.
