

---

Subject: Re: Plot3D bug in 8.1

Posted by [penteado](#) on Mon, 09 May 2011 17:09:12 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On May 9, 1:26 pm, David Fanning <n...@idlcoyote.com> wrote:

> Paulo Penteado writes:

>> 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.

>

> That would make sense, except that it doesn't explain why

> it worked before. For it to be trapped by `_STRICT_EXTRA`

> it would have to be mis-spelled in the code. If it is

> mis-spelled, how did it work before?

Ok, that was a naive first guess. I had noticed that in 8.1 checking for invalid arguments appeared in Graphics, so I just guessed it was `_strict_extra`, as had been suggested here (by you, if I remember right).

But it is a bit more involved. In 8.1 the Graphics class got a new method, `VerifyProperty`, to do the checking and throw an error if a property is not found. It determines the valid properties from the `QueryProperty` method of the right class, which is where the error lies, since 8.0: `Plot3D::QueryProperty` does not have `SYM_OBJECT` among its properties. In 8.0 it was no problem, because any nonexistent properties were ignored. It flared up now that there is checking.

The fix for ITTVIS to do: in line 1405 of `graphic__define.pro`, inside `Plot3D::QueryProperty`, add `'SYM_OBJECT'` to the properties array. I verified that this fixes the problem.

The fix that you can do, to get it to work, without changing source code: Use the new 'undocumented' keyword (itself, amusingly, undocumented), which disables the checking:

```
p=plot3d(/test,sym_object=orb(),/undocumented)
```

By the way, could not this kind of debugging qualify me to report bugs directly to ITTVIS, instead of having to go through their Brazilian representative, as it seems I am required to do, just because they issued my license?

---