
Subject: Re: cgplot clobbers user symbols

Posted by [David Fanning](#) on Wed, 18 May 2011 21:23:05 GMT

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

Jeremy Bailin writes:

> I just discovered a behaviour of cgPlot that disturbs me somewhat. If I define a user symbol using USERSYM and then use it in cgPlot using PSYM=8, it works fine. But I follow it up with PSYM=something_else, my user symbol gets clobbered and the next call with PSYM=8 plots it with something_else.

>

> For example:

>

> usersym, [-1,1], [-1,1] ; diagonal line

> ; this gives a diagonal line, as expected:

> cgplot, findgen(10), findgen(10), psym=8

> ; this gives plusses, as expected:

> cgplot, /overplot, findgen(10), findgen(10) + 0.5, psym=1

> ; I expected diagonal lines, but I get plusses:

> cgplot, /overplot, findgen(10), findgen(10) - 0.5, psym=8

>

>

> Is this "expected behaviour"?

Well, probably. :-)

The problem is, I am using USERSYM myself to create plot symbols by calling SYMCAT. I suppose I don't *have* to use USERSYM for symbols 1 and 4-6, I could just return those numbers, but I am using it for some reason. (I probably didn't like the symbols IDL was creating, I would guess.)

In any case, I could restore this functionality for symbols 1-7, but not for symbols 11-46, since I have to use SYMCAT to produce those symbols.

The "best" solution, probably, would just be to extend SYMCAT with the symbols you want to use. We can put an unlimited number of symbols in there. Tell me what you want, and I'll add them. Or, you can add them, and send the file to me. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
