Subject: Re: OPLOT fails intermittently, any ideas?
Posted by bleau on Thu, 19 Jul 2001 19:04:30 GMT

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In article <3B558E4C.15326C2C@fz-juelich.de>, Reimar Bauer <r.bauer@fz-juelich.de> writes:
> If you are able to make sav files of the data when it happens,
> some of us in this news group probably could see if it will be a problem
> in idl5.4 /idl5.4.1 too.
>
> We need for this test a small programm script and the sav data.

Done. Go to umtof.umd.edu, anonymous ftp, and get the files bug.pro and
oplot_saveall.sav . Do a .run bug.pro, it'll do the restore and the plot/oplot
pair.

I'm using Z-buffer, btw.

> And you should give this to technical support at rsinc too.

I already did. Actually, I just received a reply from them this morning, not
good. Here's what Doug Loucks, Technical Support Engineer for RSI, said:

> Thank you for helping out with a test case.
>
> We verified that this is a bug and it appears in IDL 5.5 as well, so it
> isn't restricted to the VMS platform.
>
> Unfortunately, we don't know of a way to work around the problem at this
> time. You might try removing the PSYM; we found that the problem did not
> occur if PSYM is not used. If you can find another approach that doesn't use
> the Z Buffer, that might help.
>
> This bug may be very difficult to track down, since it seems to be related
> to combinations of OPLOT, PSYM, and the Z Buffer.
>
> Apologies for any inconveniences ths may have caused. The information and
> test case you have provided are valuable and we appreciate your efforts in
> putting them together.

My thanks to Doug for confirming this is a problem elsewhere. Now to fix
it.... If any of you comes up with a combo that works around the bug, please
inform this group and I'll test it on my system. I use the Z-buffer to have
IDL prepare - in a noninteractive session - a plot to be written to a disk file
in GIF format.

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