
Subject: Re: IDL falls to sleep!

Posted by [throop](#) on Sun, 02 May 1999 07:00:00 GMT

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In article <7gcvla\$393\$1@hammer.msfc.nasa.gov>,

mallors@ips1.msfc.nasa.gov (Robert S. Mallozzi) wrote:

> In article <3729AD4C.55BFDAC1@astro.uio.no>,

> Terje Fredvik <tfredvik@astro.uio.no> writes:

>>

>> One of my programs is generating large data arrays which is saved

>> to file using the ordinary "save, [filename], [variable]" command.

>> The program has worked excellent, but yesterday something strange

>> started to happen; after saving a few arrays IDL went into sleep

>> mode [...]

>

> One of my co-workers is also having this problem, although it's not

> when writing files. He was doing many fits in a loop using SVDFIT.

> At a random point in the loop, IDL halts (no CPU activity), CNTRL-C

> does nothing, and IDL must be killed "brutally".

> I traced the line at which it halted - it was at a call to

> NR__SVDFIT (two underscores) [...]

Praise the lord! RSI has tried to convince me that I am the only one in the world having this problem with 5.2, and that it has something to do with my installation.

I have experienced this problem on three Solaris machines under IDL 5.2. I cannot reproduce the problem using 5.0.3 on the two machines that have it installed. The systems are an Ultra 5, Ultra 10, and Sparc 10. I was unable to reproduce the problem in NT.

I have a long-ish (2000-line) code that consistently causes this problem, after 1-10 hours of computation. I've sent it to RSI, who says they're unable to reproduce it. I don't know why this would be, but at this point they tell me there's nothing to be done. If someone else has a self-contained program that demonstrates this situation -- or general observations about it -- please send it to RSI. E-mail me and I'd be happy to pass along my code and my exchanges with RSI support.

For background, my program executes about 10^5 iterations through a set of matrix transformations. It's not writing any files, and I don't believe I use the NR__SVFIT routine that Robert mentions above. Memory usage is ~ 50 MB, and I get the same behavior from IDL and IDLDE. In the former, ctrl-c will sometimes give the 'Interrupt encountered' message, not always.

-Henry

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