
Subject: G4-related problem

Posted by on Mon, 11 Aug 2003 12:47:31 GMT

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Hi.

I recently discovered a very nasty problem on my G4 (2*867, Mac OS X 10.2.6) running IDL 5.6.

The following code should not produce any output, if everything works. Unfortunately, this is not the case on my G4, where the variable assignment "data1=data0" produces messy data in a randomly fashion. So it works most of the time, but once in a while, the data in "data1" will be corrupted. Typically, there are some zeros showing up in the array and some other garbage.

Here is the code in question:

```
data0=fltarr(10000)+1.  
for ii=0L, 200000 do begin & $  
    data1=data0 & $  
    if min(where(data1 eq 0)) gt 0 then begin & $  
        print, ii & ii=200001L & endif & $  
    endfor
```

This problem did not show up on other machines I have tested (Compaq Alpha, a Windows PC or my iMac G3 running the same OS and IDL versions).

So this can either be a G4-specific bug in IDL 5.6, a G4-specific bug in Mac OS X 10.2.6, or a hardware problem on my G4.

Since I do not have a second G4 available, I would like to ask anyone with a G4 to test the code snippet given above. You can simply paste the code to the command line in IDL.

Thank you,
Rudi

PS: What I already tested:

- setting TPOOL_NTHREADS=1 and VECTOR_ENABLE=0
- using different RAM
- replacing the RAM modules
- testing the RAM with the hardware test CD