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Subject: GPULIB troubleshoot

Posted by [lecacheux.alain](#) on Mon, 25 Jun 2012 08:27:31 GMT

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This message is intended to aficionados of GPULIB (in particular Michael Galloy...)

I was successfully using a Tesla C1060 over several monthes on some workstation running Windows XP 64 bits and IDL8.0. Very successfully.

Recently, I upgraded the same machine to Windows 7 64 bits and IDL8.2, with the following unsatisfying result:

```
IDL> print,!version
{ x86_64 Win32 Windows Microsoft Windows 8.2 Apr 10 2012      64
64}
```

```
IDL> gpuinit,0, /HARDWARE, ERROR=err, /VERBOSE
Welcome to GPULib 1.4.4 (Revision: 2107)
% GPUINIT: using hardware
Graphics card: Tesla C1060, compute capability: 1.3, memory: 4040 MB
available, 4095 MB total
Checking GPU memory allocation...no errors
```

```
IDL> a = gpuputarr(findgen(10), ERROR=err) & print,err
      0
IDL> b = gpuputarr(findgen(10), ERROR=err) & print,err
      0
IDL> c = gpumult(a,b,LHS=c, ERROR=err) & print,err
      8
```

The c GPU variable is created, but is in error

```
IDL> print, gputgetarr(c,ERROR=err) & print,err
1.43493e-042 1.73472e-018  0.000000 7.34684e-040  0.000000
0.000000  0.000000 6.01853e-036  0.000000 2.52435e-029
      0
```

Does someone have an explanation ?  
alain.

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