
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> gpunit,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, gpugetarr(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.
