Subject: Re: Maximum index for arrays?
Posted by pgrigis on Mon, 15 Sep 2008 13:38:08 GMT
View Forum Message <> Reply to Message

hotplainrice@gmail.com wrote:
> Hi guys,
>
> Thanks for helping me for the past few weeks. I've managed to get
> CUBLAS and other CUDA programs working in IDL. What I have now for you
> guys is this.
>
> Here is the code
>
> N = 181
> N2 = N^2
> a = fltarr(N2, 141)
> help,a
>
> A FLOAT = Array[32761, 141]
>
> N = 182
> N2 = N^2
> a = fltarr(N2, 141)
> % Array dimensions must be greater than 0
> % Execution halted at: TEST 5 /home/hpr/test.pro
> % $MAIN$
> IDL>
>
> How big can the index go? Its because I need N = 100 to 1000

Just for the records, IDL 32-bit can have arrays with a maximum of
about
2^31/N elements, where N is the size in byte of one element (i.e. 1
for bytes,
2 for int, 4 for long int and floats, etc. etc.).

On the orther hand, IDL 64 bits can (in principle) allocate arrays so
large that you won't be able to store them anyway (at least for the
next
few years or so)

Cheers,
Paolo

>
> Regards
> Zaki