
Subject: Re: Can I have multiple threads in IDL?

Posted by [Liam E. Gumley](#) on Tue, 10 Aug 2004 15:36:00 GMT

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Marc Reinig wrote:

> We're currently running a very large computational program on a
> multiprocessor machine. When the FFT portion runs, the CPU load on all 8
> processors spikes, so IDL is making use of them, life is good.
>
> However, we have another portion of the code that dose a massive nested loop
> on some arrays, but the operation is carried out on a very small subset of
> the array and IDL uses only a single processor. It could be easily broken
> into threads if we were writing in C to allow the OS (Windows Server 2003)
> to run the threads simultaneously.
>
> We would like to break this processing into multiple threads in IDL so that
> the task can be run on the other 7 processors in a similar manner. Is there
> a way to create and run a thread in IDL?
>
> Thanks in advance,
>
> Marc Reinig
> UCO/Lick
> Laboratory for Adaptive Optics

Marc,

Any chance you could post the code for the loop operation? Someone might be able to offer suggestions on how to convert it to array operations (and thus enable multi-threading).

Cheers,

Liam.

Practical IDL Programming

<http://www.gumley.com/>
