Subject: Re: Can I have multiple threads in IDL? Posted by Marc Reinig on Wed, 11 Aug 2004 14:19:20 GMT

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Liam,

I'll try to get to the source today.

Thanks for your help.

Marco

"Liam Gumley" <Liam.Gumley@ssec.wisc.edu> wrote in message news:cfaq0v\$a04\$1@news.doit.wisc.edu...

- > 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/