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Subject: Re: Parallel Processing in IDL  
Posted by [Matt\[2\]](#) on Mon, 11 Oct 2010 16:41:46 GMT  
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On Oct 11, 10:35 am, Ammar Yusuf <amyus...@gmail.com> wrote:  
> What's an easy way to use multiple processors in IDL? I have a large  
> program but I want to start with a simple program first. Let's say I  
> have an array of a million integers and I have four processors. I want  
> to add all the elements in this array and output it. I could split the  
> array into four parts and give it to each processor right? Is this  
> possible? How would I do this? Thanks!

I would look at the documentation about thread pool.

In your case  
`y = total(array)`  
will take care of what you want to do assuming your thread pool is set  
up properly.

from the total documentation:

"This routine is written to make use of IDL's thread pool, which can  
increase execution speed on systems with multiple CPUs. The values  
stored in the !CPU system variable control whether IDL uses the thread  
pool for a given computation. In addition, you can use the thread pool  
keywords TPOOL\_MAXELTS, TPOOL\_MINELTS, and TPOOL\_NOTHREAD to  
override the defaults established by !CPU for a single invocation of  
this routine. See Thread Pool Keywords for details. "

Cheers,  
Matt

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