Subject: Re: Parallel Processing
Posted by Russell Ryan on Thu, 28 Jun 2012 16:40:15 GMT
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On Thursday, June 28, 2012 10:05:24 AM UTC-4, stefan....@gmail.com wrote:
> Hi
>
> I have developed a code which takes a couple of hours to run and I am aware of the fact that IDL automatically parallelizes some vector operations and one should prefer those instead of looping through arrays.
>
> I have done all that but still I know I could speed up things by a factor of 2 when I do certain things on 2 cores.
>
> For instance, somewhere in the program I pass some arrays to a function and this function then returns and equally large array with some calculated values. This is all done with one core since the operations in the function are not parallelized.
>
> However, I could split up the input arrays into to equally large parts and perform the calcualtions for each of those two on one core. In the end, when both are finished I could just concatenate the result-arrays.
>
> Is this possible in some easy way?
>
> thanks for your help :)

Yeah, that sounds like it's what you want. Post back if it's not clear how to proceed. I use this stuff all the time for several big pipelines that I use, but it only works if you've got a relatively small amount of data to process (which may take a long time). Then you want repeat this procedure for many similar units of data.

Russell