Subject: Re: Parallelise FOR loop in IDL
Posted by Vincent Sarago on Mon, 19 Sep 2011 13:58:35 GMT
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Hi Robin,

You may have a look on : http://www.ittvis.com/Default.aspx?tabid=1540&id=1306

I never used it, but it might works.

You can also look to :

http://www.ittvis.com/portals/0/whitepapers/IDL_MultiThread. pdf
http://slugidl.pbworks.com/w/page/29199259/Child%20Processes

Cheers,

Vincent,

On 19 sep, 14:55, Robin Wilson <ro...@rtwilson.com> wrote:
> Hi,
>
> I have some IDL code like the following, which implements a Monte Carlo
> ray-tracing model:
>
> FOR i = 0, 1000 DO BEGIN
> ; Start a new ray from source
> ; Do all sorts of complicated processing on it
> ; Record where it lands
> ENDFOR
>
> I want to be able to run it for more iterations while still keeping it
> fairly fast. If I was writing this in C I'd use OpenMP to split the
> iterations of the loop between the available cores (as they are
> independent) and then use a reduction to join all of the records of
> where the rays end up together.
>
> Is there any way to do anything like this in IDL? I've seen FastDL but
> that seems to use MPI instead (not quite what I want...) and
> unfortunately doesn't appear to be available free for academics.
>
> Any ideas?
>
> Robin
>
> ----------
> Robin Wilson

> A PhD student studying complexity in remote sensingwww.rtwilson.com/academic