Subject: Re: common block question
Posted by Paul Van Delst[1] on Fri, 15 Apr 2011 16:13:34 GMT
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Paulo Penteado wrote:
> On Apr 15, 7:02 am, geoff <oxfordenergyservi...@googlemail.com> wrote:
>> Thanks for all your above comments. One of my issues is that I may
>> have to re-code in fortran or C and run on a parallel machine (or may
>> not!). I would prefer to write the program in IDL in a way that is
>> relatively transferrable to fortran95 ultimately, which is why I
>> considered common blocks which turn into modules that can be called in
>> fortran.
>
> I also had on many occasions to suffer from global variables through
> Fortran modules.

And, not to pile on, but module variables in Fortran are inherently not threadsafe.

> Structures, pointers and objects as I suggested above are all pretty
> much possible to directly translate to Fortran.

As well as some of the OOP stuff as well (assuming you have a compiler that is compliant with the OOP stuff in Fortran2003).

cheers,

paulv