
Subject: Re: Calling IDL from Fortran called by IDL
Posted by [Craig Markwardt](#) on Wed, 28 Nov 2001 22:38:49 GMT
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"Mark Rivers" <rivers@cars.uchicago.edu> writes:

> Craig Markwardt <craigmnet@cow.physics.wisc.edu> wrote in message
> news:onherfoc0q.fsf@cow.physics.wisc.edu...
>>
>> Oooh, but be careful, because if you allow your IDL variable to be
>> released, say by reassigning it, then your external C routine will
>> probably end up overwriting some part of memory you didn't want it to.
>
> Yes, this technique should only be used for carefully written IDL
> "applications", and not for interactive use. Any IDL variable whose address
> has been passed to the external C or FORTRAN code can never appear on the
> left hand side of an assignment.
...
> This idea can be directly applied to the problem of interacting with
> compute-bound FORTRAN code.
...
> This eliminates that problem because the FORTRAN is a new process, not a
> thread.

These are all really great ideas! Thanks. The only thing I worry about is Kevin's initial mention of the dreaded word, "Windows" :-)

I really like your ideas on polling a widget for an abort event. I've been thinking about how to do that for something like MPFIT, but didn't want to figure out all the details. Looks like you did it for me!

Craig

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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
