Subject: Calling Fortran program
Posted by aki on Thu, 02 Jun 1994 17:11:55 GMT

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Hi

I have to call a Fortran program that returns a vector. The IDL function CALL_EXTERNAL allows to return a scalar value only. So it seems I have to use LINKIMAGE.

Is there anybody who knows how to use LINKIMAGE in particular who has any idea how to pass a vector to IDL using LINKIMAGE ? (I am using a SUN and I studied the manual for dlopen() already. This was not very helpful.)

Thanks in advance ....

aki

Subject: Re: Calling Fortran program
Posted by tonym on Mon, 13 Jun 1994 18:54:05 GMT

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In Article <2t27cp$t2@hacgate2.hac.com>, 8015@sbjse0.sbrc.hac.com (Mike Schienle) wrote:
> ...
>
>>   FORTRAN routines from IDL. You can find it at
>>   esrg.ucsb.edu:/pub/idl/idl-fortran.
>>
>
I find the documentation in the idl/misc/dynamic directory to be
somewhat more accurate than the idl-fortran faq file. Things reagrding
FORTRAN and IDL may have changed recently. In that directory, they
have examples of how to pass and return data from and to FORTRAN without
using any C (non-standard FORTRAN extensions needed for this).

Looking at this I just learned that IDL can return arrays instead of
just scalars.

Tony Mannucci   Jet Propulsion Laboratory
tonym@lurleen.jpl.nasa.gov   4800 Oak Grove Drive
                       M/S 238-600
Voice: (818)354-1699   Fax: (818)393-4965   Pasadena, CA 91109

Subject: Re: Calling Fortran program
Posted by tonym on Mon, 13 Jun 1994 18:54:37 GMT

In Article <2t27cp$t2@hacgate2.hac.com>, 8015@sbjse0.sbrc.hac.com (Mike Schienle) wrote:
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>
>>   FORTRAN routines from IDL. You can find it at
>>   esrg.ucsb.edu:/pub/idl/idl-fortran.
>>
>
I find the documentation in the idl/misc/dynamic_link directory to be
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