
Subject: Re: How to call fortran subroution?

Posted by [Craig Markwardt](#) on Sun, 15 Apr 2001 14:31:56 GMT

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"web" <jiali3@21cn.com> writes:

> Yes, I know that. I have read the example more then 5 times, but I have
> failed for many times too. Who can help me to modify the subroutine above (a
> much more simple example) and teach how to link them step by step? Many guys
> are interested in it. Or are there any detailed document on it? The
> explanation of the help document is too simple.
... remainder deleted ...

Jaili--

I think Stefano is right, you can't call FORTRAN directly from IDL, especially with the CALL_EXTERNAL method. That method requires your program to conform to a very specific interface for your function parameters (two parameters named argc and argv).

I'm looking at the External Development Guide for IDL 5.2. They recommend a "wrapper" function written in C, which in turn calls the FORTRAN. That manual does give an example where the FORTRAN subroutine can be called directly, but the semantics appear to be present only on a few platforms (VMS or IBM AIX), and the subroutine must still conform to the argc and argv convention.

Questions:

- * What example are you looking at?
- * Does Ronn Kling's book on external linking address FORTRAN?

Craig

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