
Subject: Calling Fortran from IDL - Help! :)
Posted by [patterso](#) on Tue, 07 Feb 1995 22:28:06 GMT
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I have been trying to call some Fortran routines from within IDL via the CALL_EXTERNAL routine and use c code wrappers. I have the snall info file produced by Jeff Valenti (from Mar 26, 1992) and can make his example work. Unfortunately, when I try to get my own code to work, I am rfinding that IDL is crashing with the following types of error message:

Id.so: call to undefined procedure _return_ from 0xf73d20f4

which seems to imply that my fortran routine is not being linked witha library containing the RETURN routine. I am compiling using the -c -pic options and linking with libF77.a and libm.a. Anybody have any ideas where I'm going wrong? Unfortunatly the FORTRAN code is a bit too large to re-write it in IDL and doesn't easily lend itself to piping.

Thanks

Tim Patterson
Cornell University Radiophysics and Space Sciences Dept

Subject: Re: Calling Fortran from IDL - Help! :)
Posted by [patterso](#) on Tue, 07 Feb 1995 23:41:41 GMT
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can answer my own question now. Somebody had defined a routine called RETURN halfway doen the code...so I found the library i needed at last. It still doesn't work though - but at least I'm moving forward again :)

Tim

Tim Patterson (patterso@astrosun.tn.cornell.edu) wrote:
: I have been trying to call some Fortran routines from within IDL via the
: CALL_EXTERNAL routine and use c code wrappers. I have the snall info file
: produced by Jeff Valenti (from Mar 26, 1992) and can make his example
: work. Unfortunately, when I try to get my own code to work, I am rfinding
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: Tim Patterson
: Cornell University Radiophysics and Space Sciences Dept

Subject: Re: calling Fortran from IDL
Posted by [Stein Vidar Hagfors H\[1\]](#) on Mon, 27 Aug 2001 18:30:38 GMT
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snert13@yahoo.com (R. Kotak) writes:

> I have (unsuccessfully) tried to call F77 numerical recipes routines
> from within
> IDL. I used Stein Vidar Hagfors Haugan's perl script to produce a
> C-wrapper but couldn't compile it. I'm running RedHat 6.2 (IDL 5.3).
> Some of the errors I get are "IDL_MEMINT' undeclared (first use in
> this function)"; "N_" undeclared (first use in this function)" -
> since I know no
> C at all I have no idea how to fix the above.

Sounds like you don't have the (right version) export.h include file being
included - usually found in the \$IDL_DIR/external/ directory. If you have an
old version of this, it may not have the IDL_MEMINT definition - it was added
with some (5.0????) version.

If this doesn't work, could you send me (by email) the whole "session" output
(from beginning to end), with all error messages?

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Stein Vidar Hagfors Haugan
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