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Subject: calling Fortran from IDL  
Posted by [snert13](#) on Mon, 27 Aug 2001 16:47:47 GMT  
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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.

My goal is to use some of the numerical recipes ordinary differential equation routines (e.g. odeint) and I need to do this rather quickly. Any help would be very much appreciated.

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Subject: Re: Calling FORTRAN from IDL  
Posted by [Randall Skelton](#) on Fri, 29 Oct 2004 00:00:01 GMT  
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You can use CALL\_EXTERNAL or write a Dynamically Linked Module (DLM) in C that calls your Fortran routine. A simple example is given in the IDL External Development Guide (edg.pdf) under the section, CALL\_EXTERNAL (chapter 9, p. 219 for version 6.1).

Cheers,  
Randall

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Subject: Re: Calling FORTRAN from IDL  
Posted by [Haje Korth](#) on Fri, 29 Oct 2004 11:54:41 GMT  
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Aarthi,  
for beginners I recommend to stick with CALL\_EXTERNAL. Besides the external development guide, you can also look in C:\RS\IDL61\external\call\_external for some examples ready to compile. If you are on Windows and want to use cygwin to compile, look at the recent tech tips on the RSI web site. I bit my nails out on that one and never got it to work until I started using the M\$ C compiler.

Have fun,  
Haje

"Aarhi" <aarhi.arunkumar@colorado.edu> wrote in message  
news:ac6d0b32.0410281434.7d0a7686@posting.google.com...

> Hi,

> How can I call a FORTRAN routine from an IDL program?

> Thanks,

> Aarhi

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