Subject: Re: CALL EXTERNAL with F90 on an SGI Posted by Andy Loughe on Tue, 21 Dec 1999 08:00:00 GMT

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Myron Brown wrote:

>

- > I'm trying to use CALL EXTERNAL on an SGI running IRIX 6.5 to call Fortran
- > routines. I have read the documentation for CALL EXTERNAL and have looked
- > at the examples provided with IDL. My Fortran code looks similar to the
- > examples, but I keep getting errors when I call CALL EXTERNAL saying that it
- > cannot find the routine. The file is there. I have checked the name of the
- > subroutine I'm calling using 'nm'. Is there something about doing this on
- > the SGI that should be implemented differently? I'm using standard MIPS
- > Fortran 90 Fortran. Any ideas?

- > Also, I tried calling CALL_EXTERNAL using another file instead, this time an
- > executable program. Of course, it won't find an entry point, but it DID
- > find the file!! What's the difference. Both files are in the same
- > directory.

Maybe this web site will help:

http://www.cdc.noaa.gov/~afl/code/call_external/describe.htm I

"nm" is helpful when trying to resolve symbols not found in the table. Notice the testing of mathematical functions in the routine called primes.f; I had problems finding atan2 and datan2.

Good luck... it seems like a bit of a crap shoot when it comes to resolving all the symbols.

Andrew F. Loughe email: afl@cdc.noaa.gov

NOAA-CIRES CDC | web : www.cdc.noaa.gov/~afl 325 Broadway Mail Code R/E/CD1 | voice: (303)497-6211 Boulder, CO 80303-3328 | fax : (303)497-7013

"We must believe in free will, we have no choice"-Isaac B. Singer