
Subject: Re: how can i call a compiled fortran code from IDL?
Posted by [James Kuyper](#) on Thu, 06 Feb 2003 16:05:57 GMT
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William Thompson wrote:

...
> ... (For some strange reason, when the
> Fortran routine is called from C, it ends up with an extra "_" appended to its
> name.) ...

It's a naming convention issue, and the naming conventions are different on different platforms. On some platforms, an '_' is prepended, rather than appended, on some platforms, both will be needed.

If you have access to HDF, it provides a header "hdfi.h", containing a number of useful macros for encapsulating what the've learned about portable Fortran-C coding. FNAME(name) provides the C function name that will be callable as a Fortran function or subroutine called 'name'; it adds '_' wherever it's needed, if it's needed. In order to make a C function work as a Fortran function returning a specified type, you declared the return type as FRETVAL(type). It also defines a typedef named 'intf' for an integral C type that has the same representation as the Fortran INTEGER type.
