
Subject: Re: Calling Fortran routines from IDL
Posted by [steinhh](#) on Sat, 24 Apr 1999 07:00:00 GMT
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Sang-Heon Shim wrote:

> I heard there is a method to call fortran subroutines (f77,
> 90, or both?) from IDL professional version. If that is
> true, it will enable me to link my fortran routines and
> other great fortran routines out there to IDL, which is
> great to me!

Yes, it's true (for most platforms). A "wrapper" routine written in C is necessary -- but anything that can be called from C can be called from IDL, in principle.

For f77 programs, there's now a pretty good, semi-automatic way of generating the C wrapper function: Look at

<http://www.uio.no/~steinhh/idl/dlmform.html>

One big area of trouble is *strings* - I don't know enough on how Fortran XX handles strings, and it's a troublesome area in general, so beware. But who writes Fortran subroutines to manipulate strings...???

Also see <http://www.uio.no/~steinhh/idl/additions.html> for a brief discussion on Dynamically Loadable Modules in general, and some C examples.

Regards,

Stein Vidar
