Subject: IDL calling Fortran
Posted by Cliff on Wed, 26 Apr 2006 23:19:54 GMT
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I have a problem calling Fortran from IDL. I have written code to do
this before but my current DLL breaks when using double precision. Does
the %VAL command only work with real*4? Does anyone have an F90 example
using real*8?

look forward to hearing from you.

By the way I am using compaq visual fortran on windows XP.

Subject: Re: IDL calling Fortran
Posted by biophys on Fri, 28 Apr 2006 19:31:31 GMT
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hi, Cliff

I've never tried cvf myself. How does it break? Does it compile? This
might hve something to do with the fact that typically %VAL only pass
4byte(32bits) on x86-32 system and 8byte(64bits) on x86-64 system.
Under linux, my experience with ifort is-

 if I use f77 standard(*.f), the example in EDG should work with no
problem.
 if I use f90 standard(*.f90), it works only when the corresponding
dummy is integer*4
 if I want to work with data other than integer*4 in f90, I have to use
NO_ARG_CHECK for the ATTRIBUTES of the dummy

I hope this helps.

Cheers,
bp

Cliff wrote:
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