Subject: R: How to call fortran subroution? Posted by StefanoM on Thu, 12 Apr 2001 09:58:57 GMT View Forum Message <> Reply to Message

Sadly, IDL cannot call directly a fortran subroutine, but it must be compiled into a DLL. Then you can use call\_external ... the things are complicated by the fact that IDL and Fortran require the parameters to be passed in different ways: by value and by reference (see my post the 10/04/01). There is an example in the distribution of IDL, but I was not able to make it work. I you will find the way to do this, please let me know.

regards

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Stefano
web <jiali3@21cn.com> wrote in message 9b2soc$28d$1@mail.cn99.com...
> Hi, I havenot find a perfect example on how to call fortran subroutine
from
> idl.
> For example, a(0) and a(1) are computed in an IDL program, I want a
> subroutine to compute c=a(0)+a(1). After c has been returned,
d=a(0)+a(1)+c
> is computed in IDL. How to do that? I think we will know how to call
fortran
> subroutine if we can do above.
 1.IDL PROGRAM: test.pro
>
> pro test
> a=fltarr(2)
> a(0)=100 & a(1)=200
> call external sum fortran(a,c)
> d=a(0)+a(1)+c
> print,a,c,d
> end
> 2.FORTRAN SUBROUTINE: sum fortran.f
> subroutine sum_fortran(a,c)
> dimension a(2)
> c=a(1)+a(2)
> return
> end
```

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> Would you please help me to modify the above and tell me how to run?
> Can fortran call idl program?
>
> Best regards
> Jiali
>
>
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