Subject: Calling FORTRAN routines from IDL
Posted by cruz on Tue, 02 Feb 1993 00:33:22 GMT

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I'm a new user of IDL, so I'm soliciting HELP!!! I'm attempting
to call FORTRAN routines from IDL using the 'call_external' function.
In the call, I'm passing a file name to the routine. Basically I
have a FORTRAN front-end to the FORTRAN routine. The FORTRAN
front-end passes the parameters by 'value' not reference. The
IDL commands follow. Note that 'hdr.txt' is my file name.

```
 IDL> a=bytarr(1)
 IDL> a(0) = 1
 IDL> tmp=call_external('readhdr.so', '_readhdr_', 'hdr.txt', value=a)
 ....then I receive garbage.
```

I've also tried sending the file name by reference and received the
same type of results.

Has anyone experienced this type of problem?? Is there a solution or
easier method for accessing FORTRAN routines from IDL?

Thanks for all responses,
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