Subject: How to send a CHARACTER to a C/C++/FORTRAN function via CALL_EXTERNAL?

Posted by Matt Francis on Wed, 13 Feb 2013 01:36:16 GMT

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I'm having trouble getting a CALL_EXTERNAL call to work. I think the issue is the requirement to send a CHARACTER*1. To be specific, I'm trying to call dgels from LAPACK, see here

 http://www.netlib.org/lapack/explore-html/d7/d3b/group__doub
le_g_esolve.html#ga225c8efde208eaf246882df48e590eac

I know from previous experience that you have to be careful to get all arguments to CALL_EXTERNAL exactly right, making IDL INTs into LONGs, making sure to get single/double precision etc correct. However this one I can't seem to crack. It doesn't surprise me that the IDL STRING is not equivalent to CHARACTER, but how can I send this correctly?