Subject: Run Fortran executable in IDL
Posted by justinclouds on Wed, 05 Mar 2014 22:50:00 GMT

I need to run a Fortran executable eros.exe. This Fortran executable uses an input file EROS.INP and produces an output files EROS.OUT and EROS.PLT. The executable works just fine (outside of IDL) and you can see that the output files are updated. The objective to run this within IDL is to change the input parameters in a loop. I tried the 'spawn' command like this:

spawn, 'C:\EROS.exe < EROS.inp', /log_output

It seems to want to run as I can see a shell process starting but get this error:

run-time error F6501: READ(EROS.INP)
- end of file encountered

Any ideas on how to get this to work?

EROS.INP is like an ini file and contains text and numerical values.

Subject: Re: Run Fortran executable in IDL
Posted by bstecklu on Thu, 06 Mar 2014 08:44:42 GMT

justinclouds wrote:
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So your IDL program is a wrapper which updates EROS.inp within a loop. Did you check whether the IDL-generated EROS.inp works from the command line? It seems the FORTRAN code expects some input which is not written from within IDL.

Regards, B.

Subject: Re: Run Fortran executable in IDL
Posted by justinclouds on Thu, 06 Mar 2014 20:18:34 GMT
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The problem was with the spawn command having to be run from the path of the exe file. I had to cd into the path of the exe before executing spawn.

Thanks!