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| Top of Form  To compile a program, you need a complier. The one I use is an old Fortran program. Mike Johnston has sent me a note on how to obtain a free Fortran complier, see below:  Michael Johnston to me  show details 7:17 PM (17 hours ago)  Hi Professor T'ien,   For the people not using the cluster, finding and installing the free GNU fortran compiler can be a little bit difficult. You may want to forward this along in case anyone is having trouble getting a fortran compiler working.    The following is a link to download the MinGW GNU fortran compiler: <http://sourceforge.net/projects/mingw/files/Automated%20MinGW%20Installer/mingw-get-inst/mingw-get-inst-20100909/mingw-get-inst-20100909.exe/download>   be sure to click the "Fortran Compiler" check box when installing MinGW.  do not change the default directory.   the GNU fortran compiler must be added to the System Variable "PATH" to do this: Right Click "My Computer" Go to Properties Click "Advanced System Settings" Click "Environment Variables" in the "Sytem Variales" window, scroll down to "PATH" and double click be extremely careful not to accidently delete anything.  In the "Variable value" box, add "C:\MinGW\bin;" to the end of the list Press OK Press OK Press OK typing "gfortran" on the command line should give the result: "gfortran: no input files"     and a "getting started" guide: <http://gcc.gnu.org/wiki/GFortranGettingStarted> To use the compiler, the text file to be compiled should have the .f extension (this indicates that the compiler should use older fortran language standards).  The blue example commands in the getting started file can be typed in to a dos window (press windows-R and type "cmd" in the Open: line and press OK and a command window should open).   It is best to navigate to the directory which contains ojdfs2.f which can then be compiled by typing: "gfortran ojdfs2.f" -o ojdfs2.exe   It is best to run the program from the command window rather then double clicking the ojdfs2.exe icon.  This way the window will remain open after execution has completed allowing the results to be seen.  If you run the OJDF for practice, here are a set of input that should yield reasonable results:  Time step (N): 1000  (integer-no decimal point!!)  time step (DT): 0.005      spatial step (DY): 0.15  heat of comb (Q): 69.       oxygen mass fraction (YOE): 0.2324  Activation energy (E): 45.3      velocity gradient (a): 50.  surface emissivity (EPSONS): 1.0       Rad abscorp. coeff. (QA): 0. | |  |  |  |  | | --- | --- | --- | --- | | [Modify](https://blackboard.case.edu/webapps/blackboard/content/manageItem.jsp?content_id=_580509_1&course_id=_45267_1) | [Manage](https://blackboard.case.edu/webapps/blackboard/content/caretManage.jsp?course_id=_45267_1&content_id=_580509_1) | [Copy](https://blackboard.case.edu/webapps/blackboard/content/copyItem.jsp?course_id=_45267_1&content_id=_580509_1) | [Remove](javascript:confirmRemove('/webapps/blackboard/content/removeItem_proc.jsp?content_id=_580509_1&course_id=_45267_1');) |   Bottom of Form |