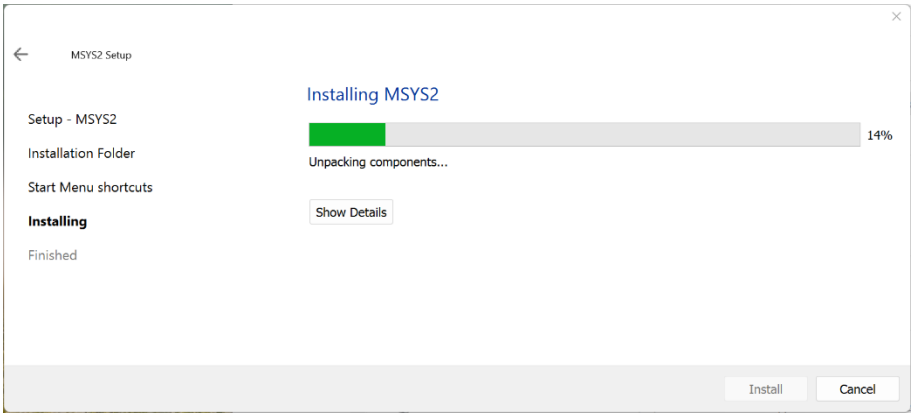
LJ Canonical Installation Guide for Windows

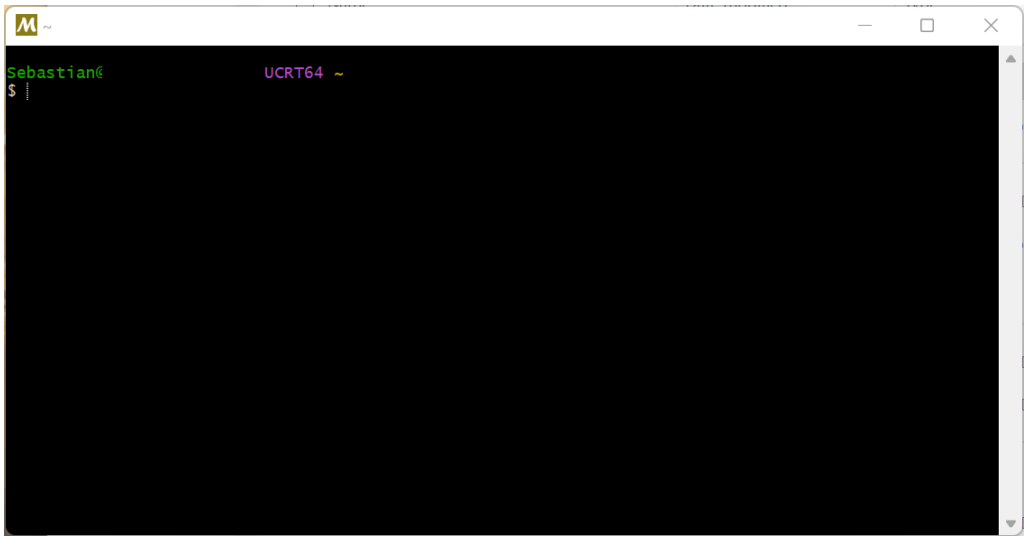
PUE Advanced Computational Physics

University of Vienna – Faculty of Physics

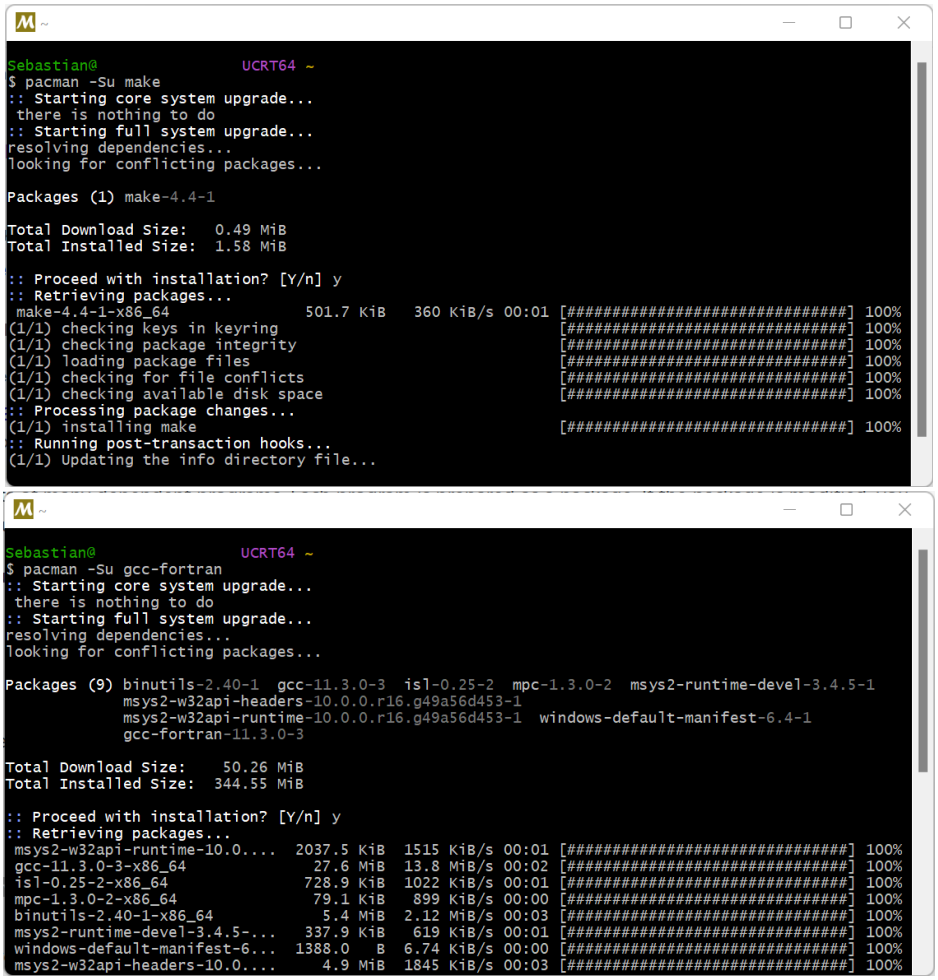
1) Install Mysys2-64 from the official website https://www.msys2.org/ . Within mysys you can install compilers such as gcc, g++ or gfortran under Windows.



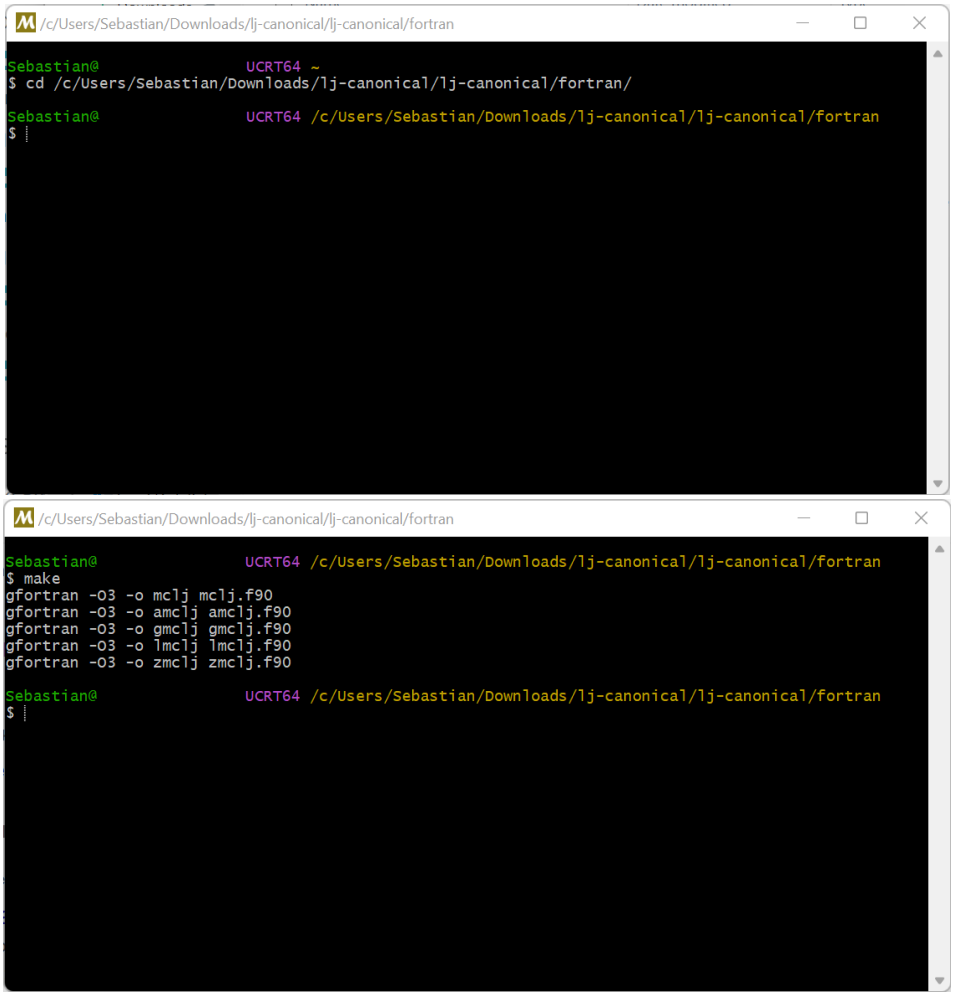
2) Open mysys2 after the installation, you should see such a terminal:



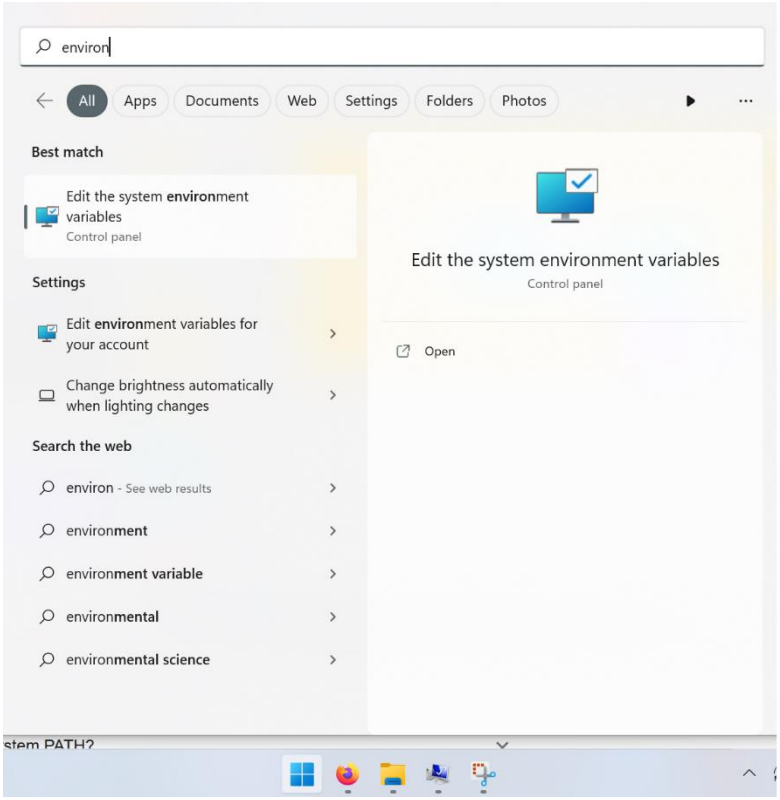
3) Now we install **make** and **gfortran** using *pacman -Su make* and *pacman -Su gfortran:*

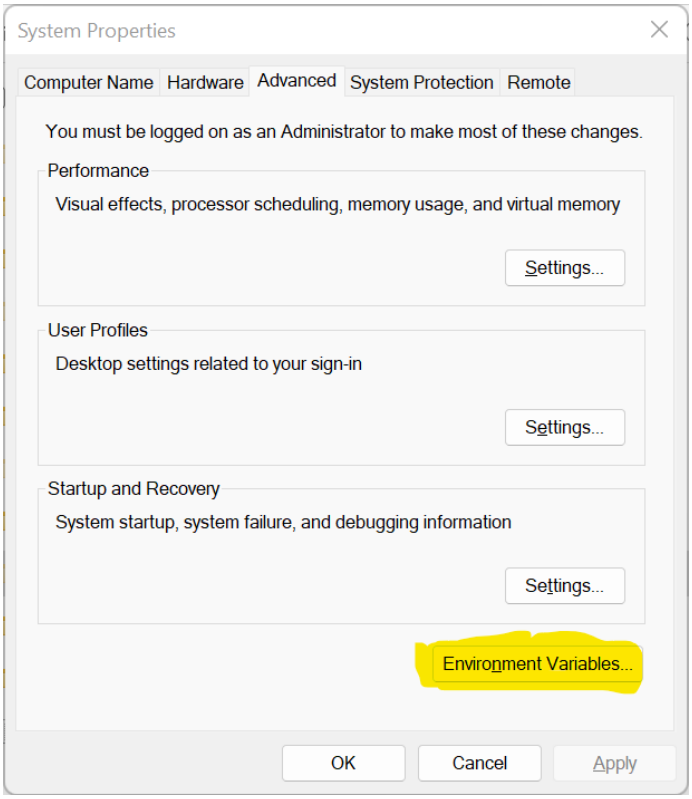


4) We are ready to compile the program. For that, navigate to the fortran folder of the simulation code using *cd …*, in my case it is in my Downloads folder. Here you should be able to simply type *make* and the program should be compiled.

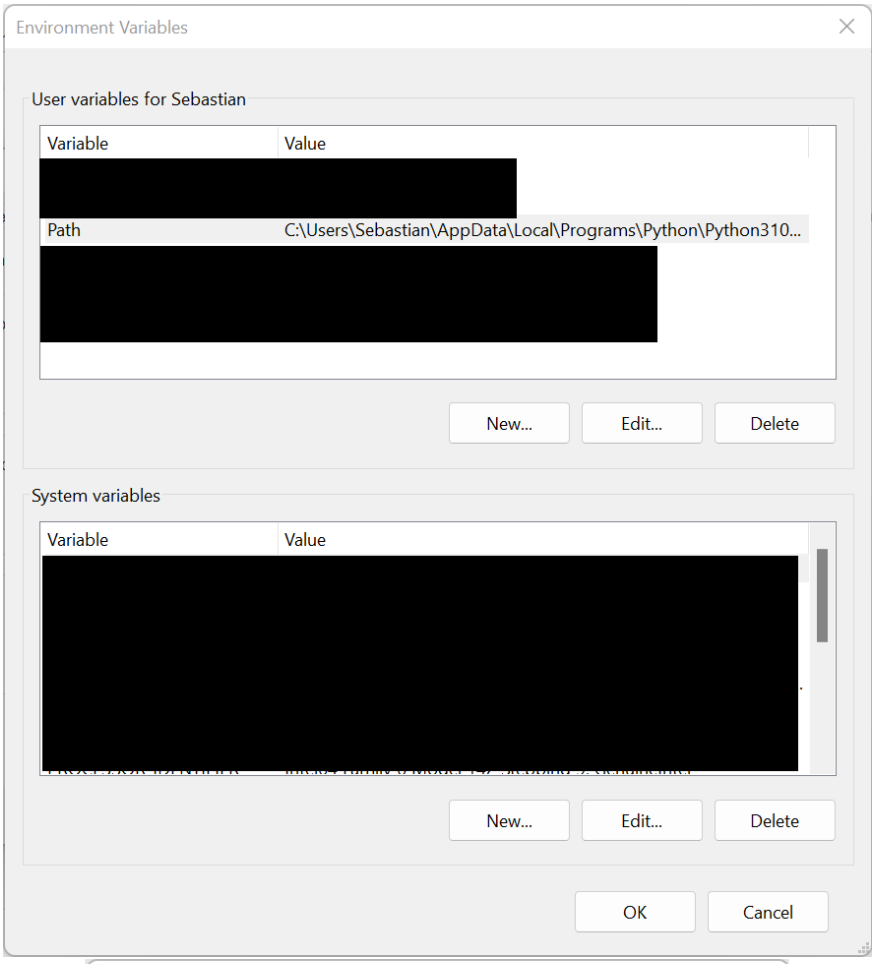


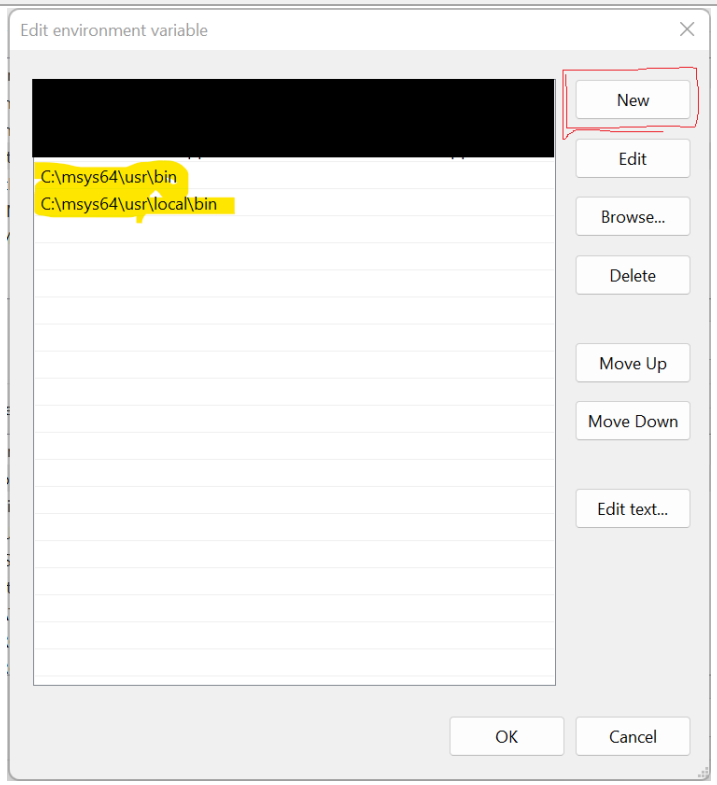
5) As a last step, we have to add the mysys2 binaries to the PATH environment variable to be able to run the program from any directory. For that, search *for System Environment Variables* or *Systemumgebungsvariablen*. Then click on the below marked button:





6) Now click on the line that specifies PATH, click Edit and then New. Add here C:\mysys64\usr\bin and C:\mysys64\usr\local\bin as shown below:





7) The compiled program should now be executable from the standard Windows Command Prompt or Terminal. Use *cd …* to get to the directory and run e.g. lmclj using *.\zmclj* .