Where to run it: Atom or can be run from any arbitrary Julia terminal

Must have package(s): Plots, LinearAlgebra

Julia version: 1.1.0

Must do: Must input directory address where one wants the plots saved to labeled !!!Location!!!, and have all the files in the same folder.

If the above has been done, then code should run without a problem.

Note Q2.A’s code is Q2Final.jl and it will work once the must do has been satisfied, just include it.

Note Q2\_runner.jl is the code for the rest of Q2 and the names of the variables of interest are found in PDF Q2 which contains the whole of the derivation for all parts of Q2. Also, this code should work just by including it and making sure all the files are in the same folder.