Dear Students,

In this folder, you will find all the MATLAB codes that I have for all my control systems courses.

The Matlab version of the code is not part of this course due to the fact that it is not open source; and therefore, not everybody can have it on their computers. However, since I've seen some interest in it; I've created a MATLAB version of it as well.

The code does not have animations like in Python; however, it still produces plots for the simulation results. The big difference is that in MATLAB, all the support file functions are separate files. In Python, they were all part of one big class. You still need to run the MAIN file only; however, all the files need to be in the same folder.

In order to change trajectories, in the file called "initial_constants.m", there is a variable called "trajectory" to which you can assign different integer numbers for your trajectories.

All the best,
Mark