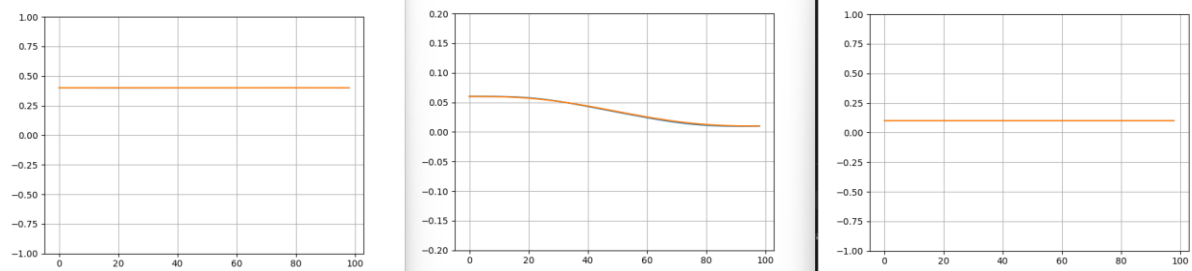


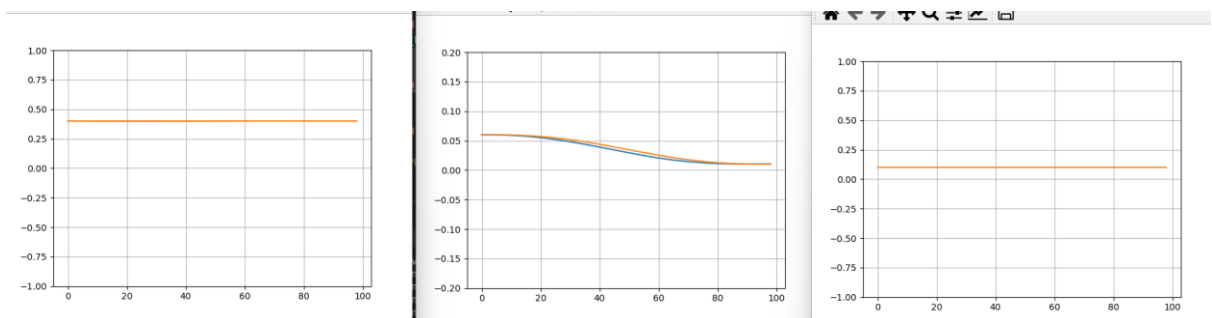
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All the graphs are in the order x,y,z

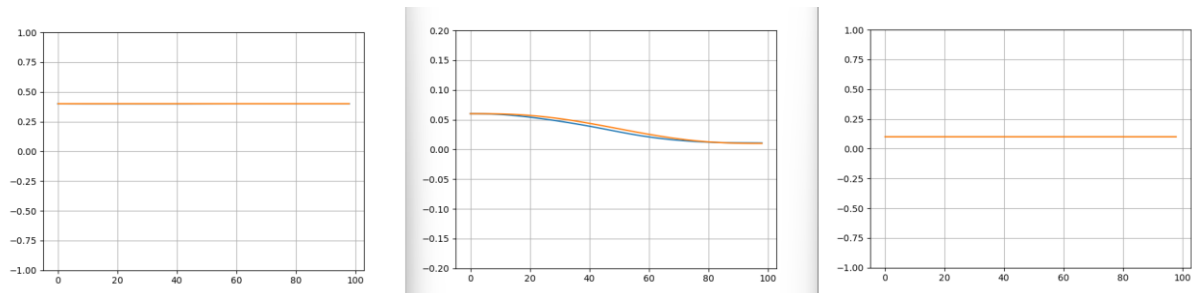
PD Controller



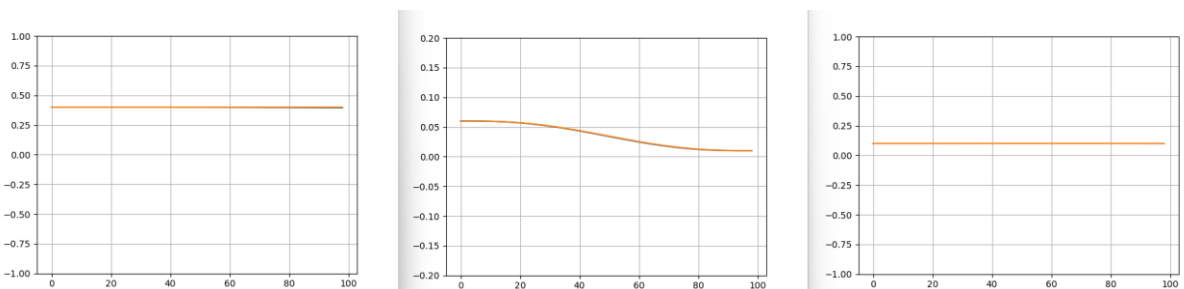
PD Controller with Feed Forward



PD Controller with Feed Forward and CTM



Multivariable Controller



It can be seen that multivariable controller is the best controller in terms of tracking among the 4 controllers for SCARA 3DOF.

It is to be noted that all the codes can be compiled using one file only i.e. /Q3_6/PD_Scara.py .

The necessary disturbances, impulses and uncertainties can be used within the code by just toggling the necessary variables. The comments in the code will help guide.