

Annexure to Experiment No.8

In addition to the obtaining the step response for Q1 a) in Experiment No.8 you are required to obtain the step response for $\xi = 0.7$, $\xi = 1.0$, $\xi = 1.2$.

For $\xi = 1.0$, $\xi = 1.2$ the formula for step response derived in class will not work so use the inbuilt Matlab function *step* to determine the step response.

All the four graphs for the step responses are to be plotted in the same figure. (Use *hold on* command after each plot).

For Q1 b) use the data cursor under Tools to determine the parameters. Do this for $\xi = 0.7$ and $\xi = 0.25$