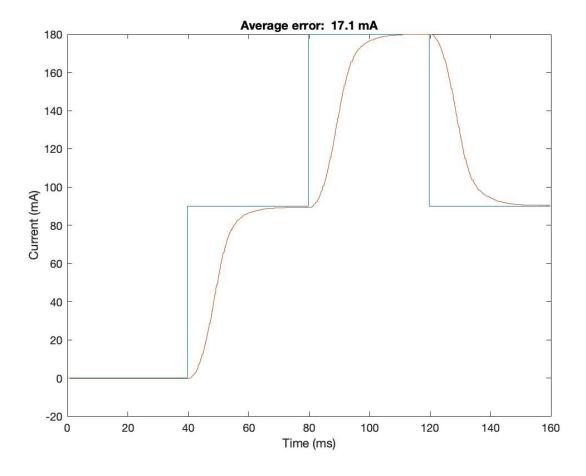
Homework #10

#5) Turn in your best plots of following the step and cubic trajectories in Figure 28.5 with the load attached. Indicate the control gains you used, as well as their units.

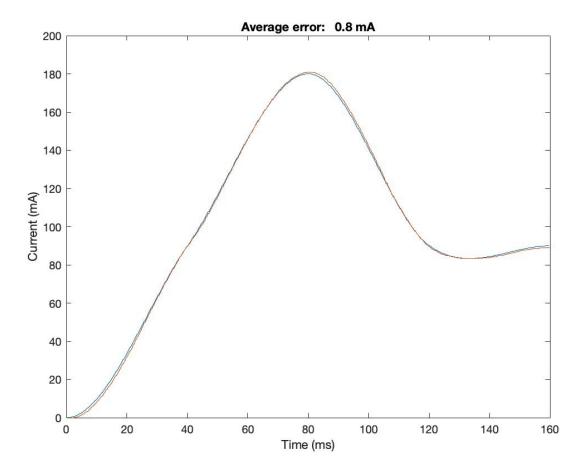
All the Y-axis for both of the graphs should be in degrees, as well as the average error. It is <u>not</u> measuring current in mA.

Step trajectory, best attempt:



	Current PI Control (mA)	Position PID Control (degrees)
Proportional Gain	0.7	50
Integral Gain	1.1	0.0055
Derivative Gain	N/A	1200

Cubic trajectory, best attempt:



	Current PI Control (mA)	Position PID Control (degrees)
Proportional Gain	0.7	40
Integral Gain	1.1	0.005
Derivative Gain	N/A	1200

There is too much code to upload to canvas, so I am also adding a link to the GitHub page here. It is public now, but I will immediately make it private as soon as the assignment is graded.

Link here