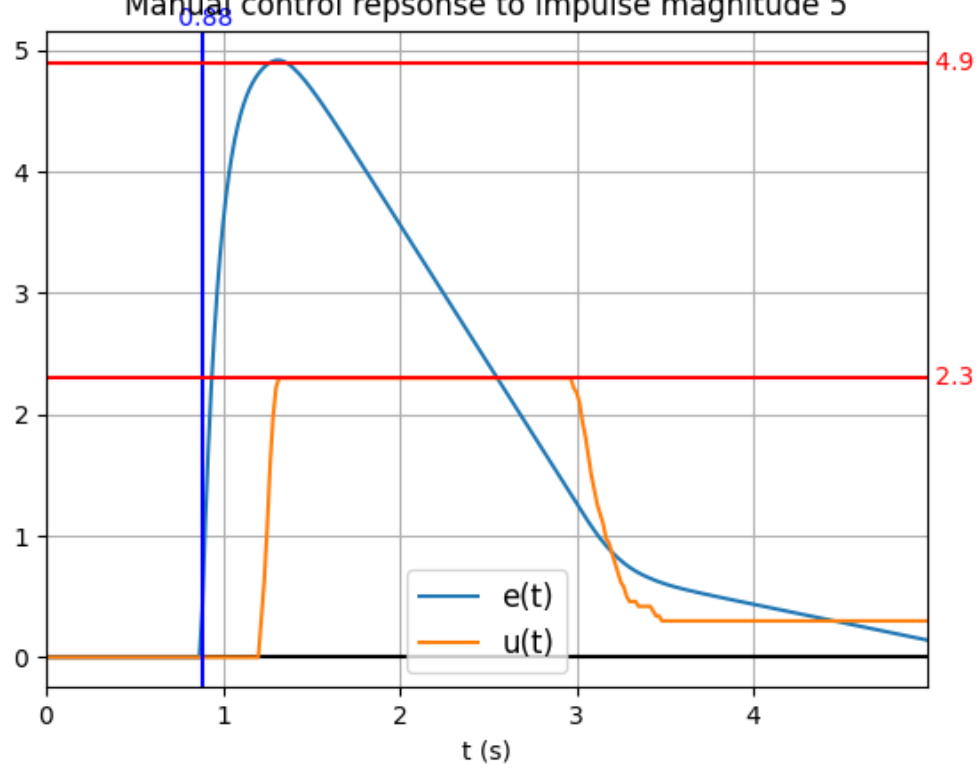
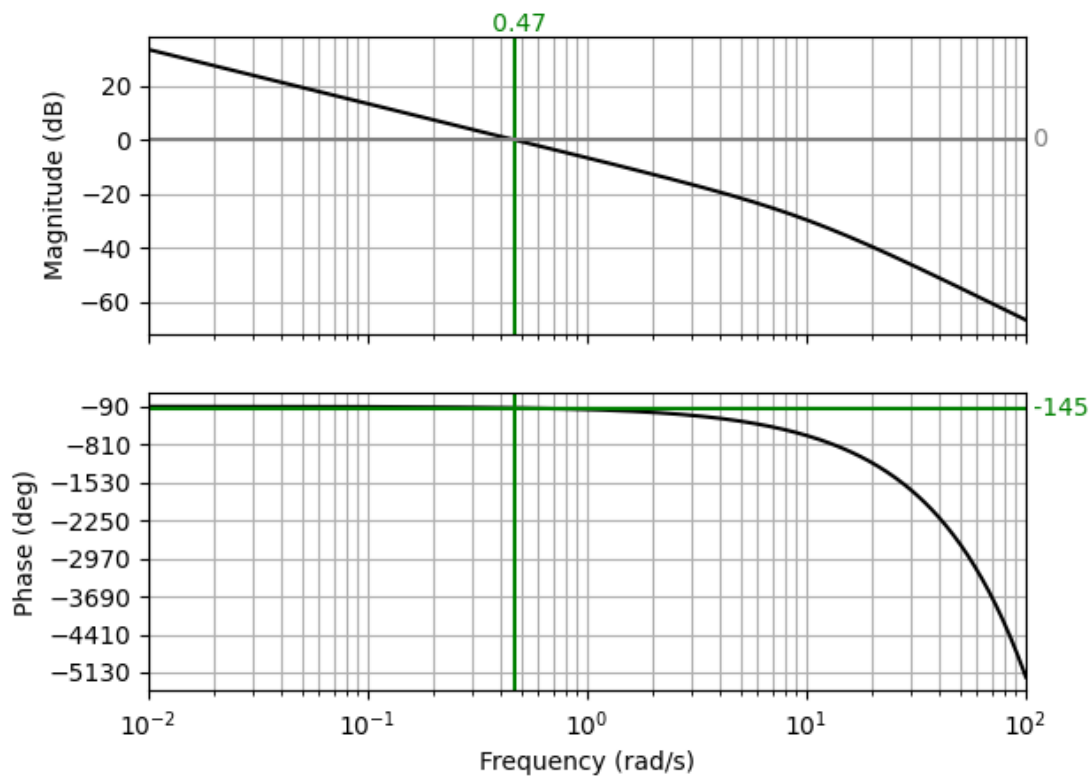
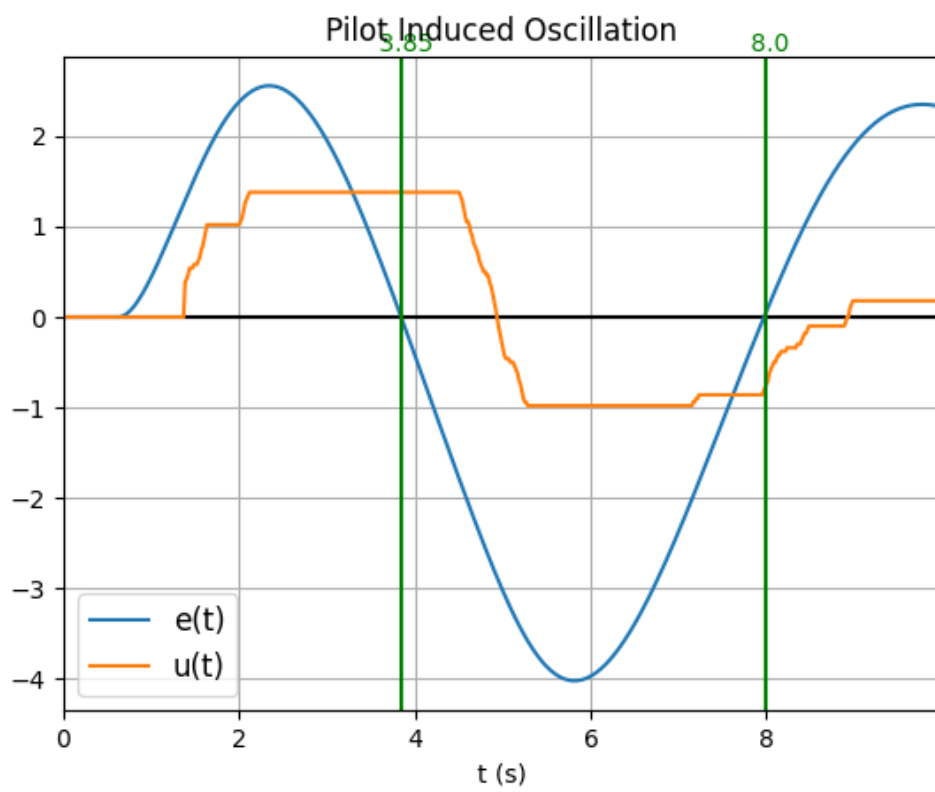
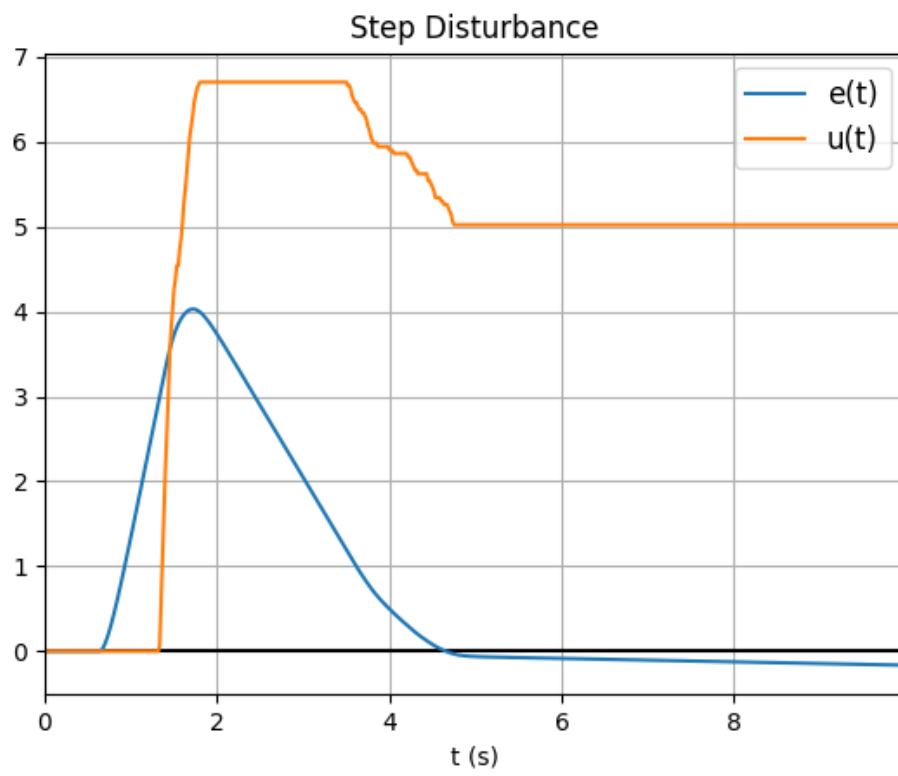


Manual control response to impulse magnitude 5

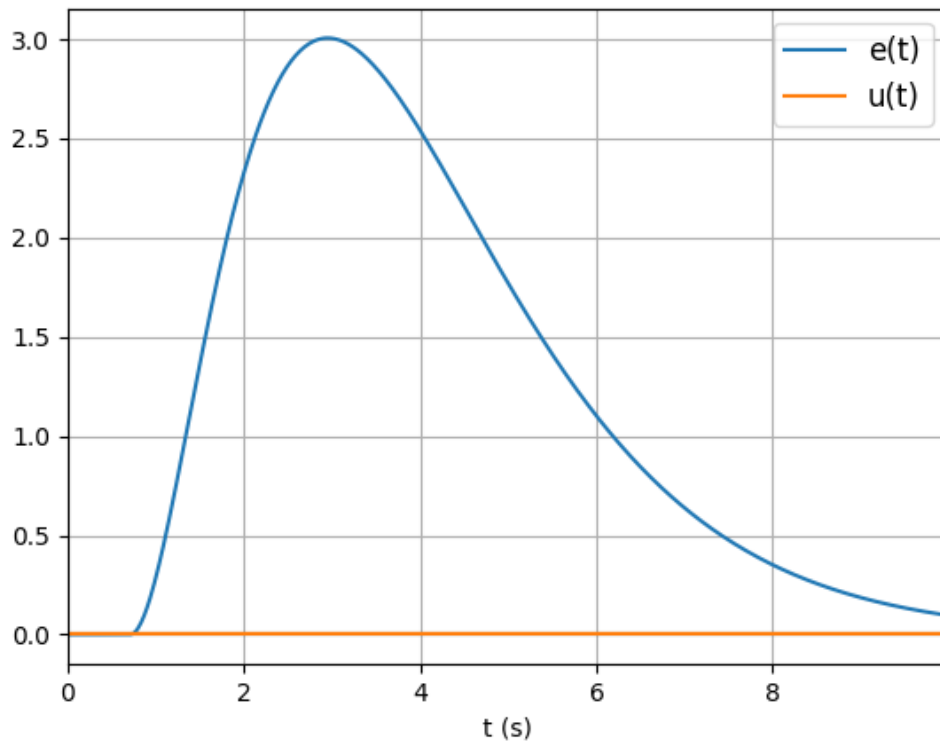


Plant in series with gain 0.4694 and delay 0.88

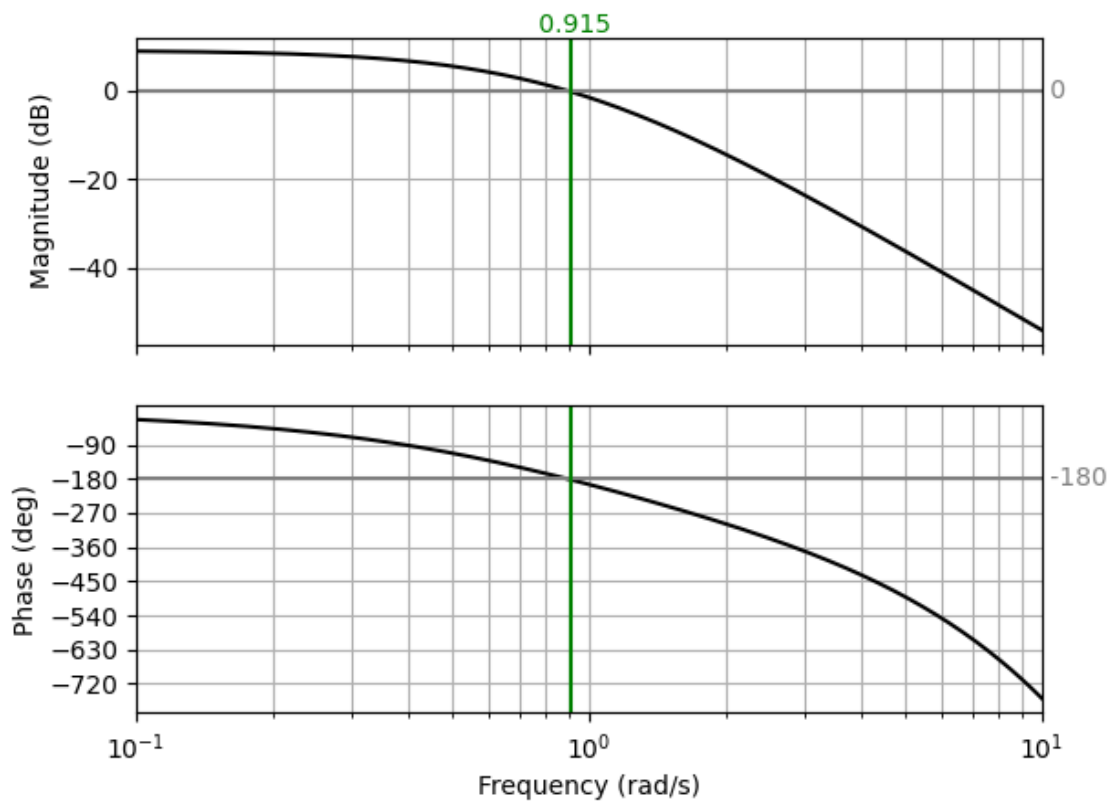


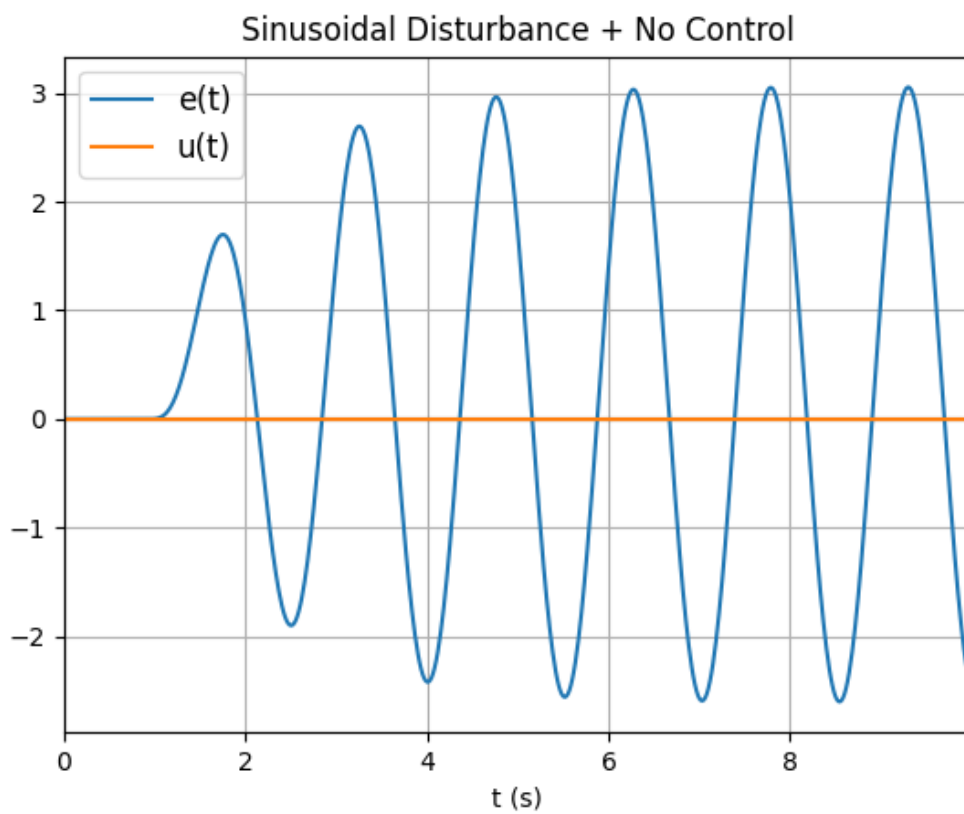
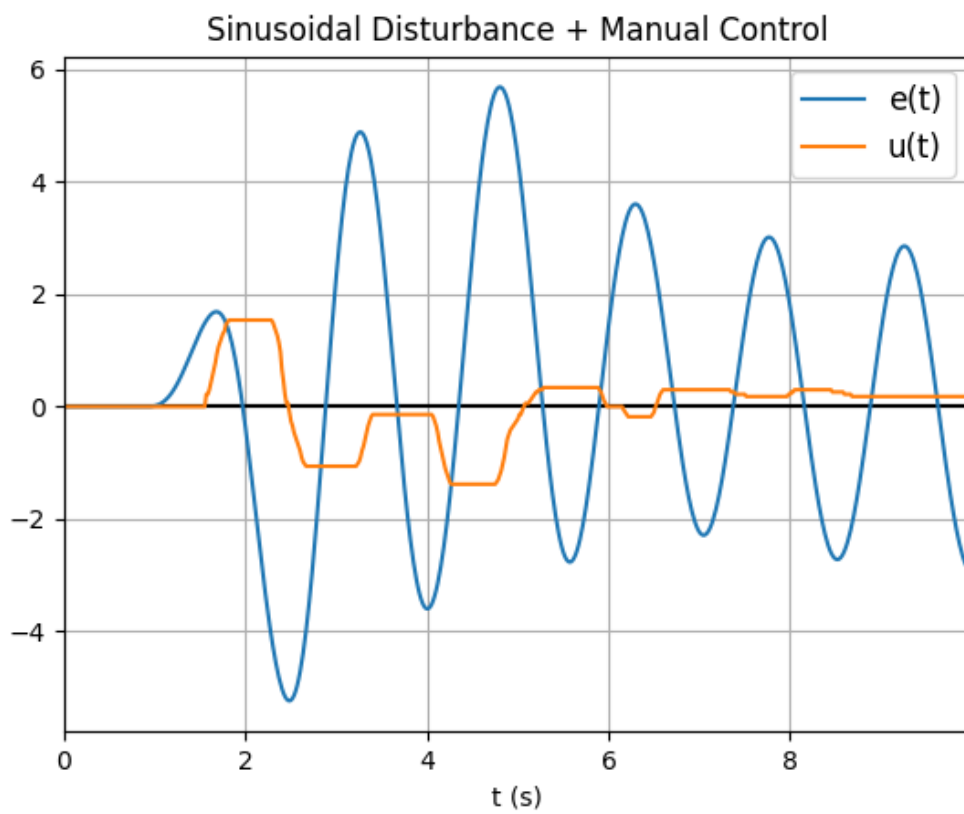


Pilot induced oscillation - No Controller

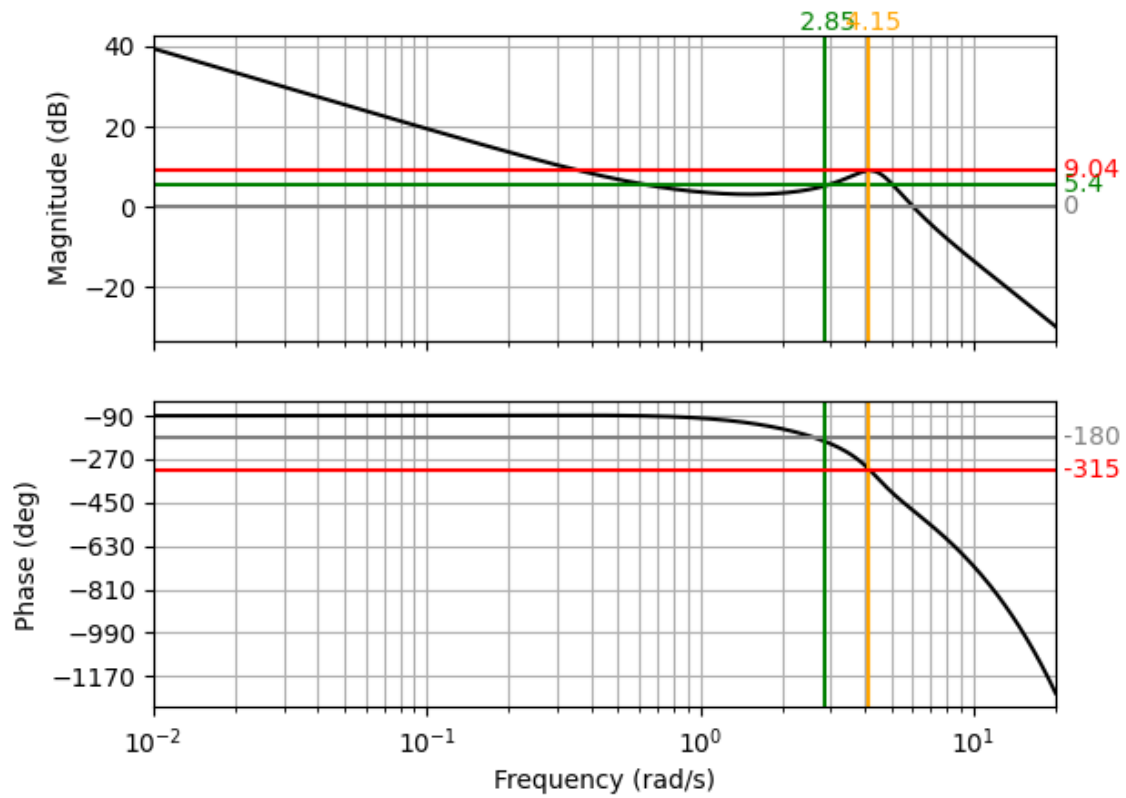


Plant in series with gain 0.4694 and delay 0.88

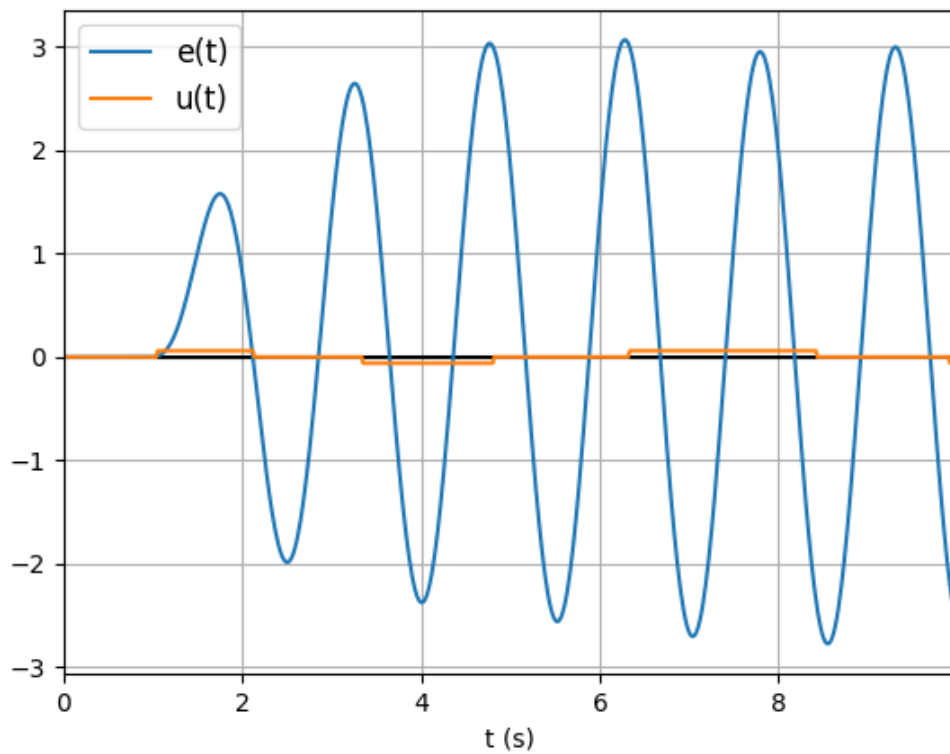


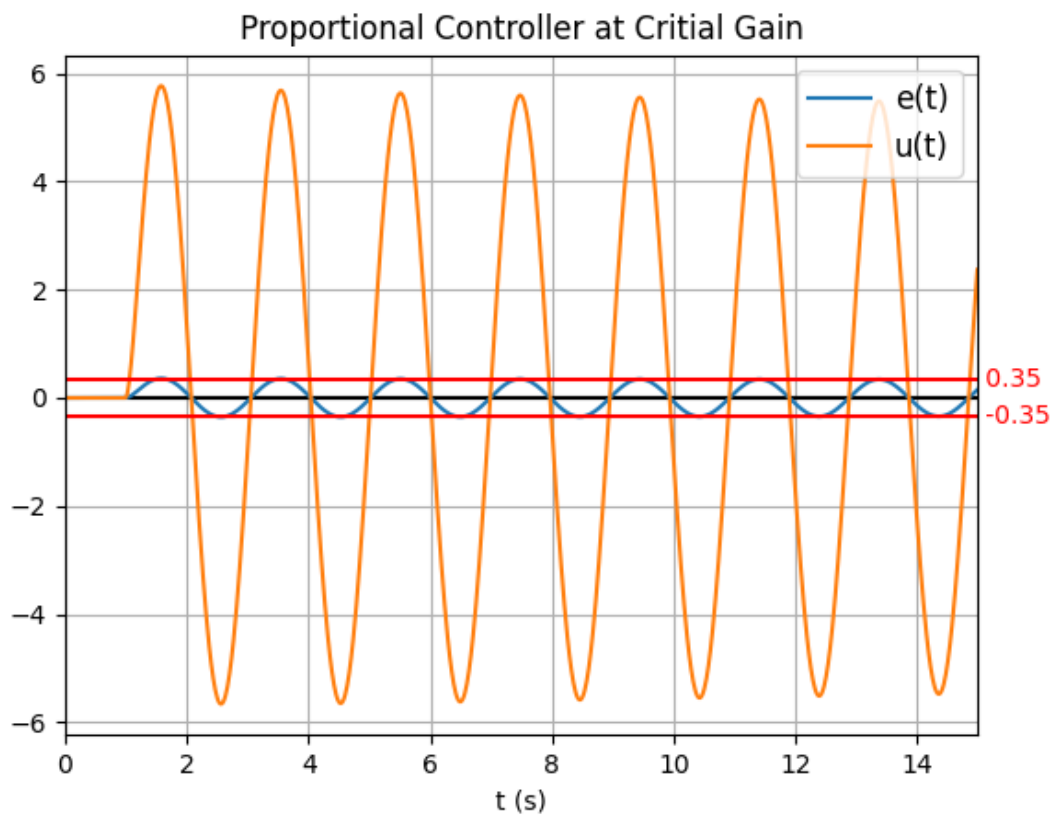
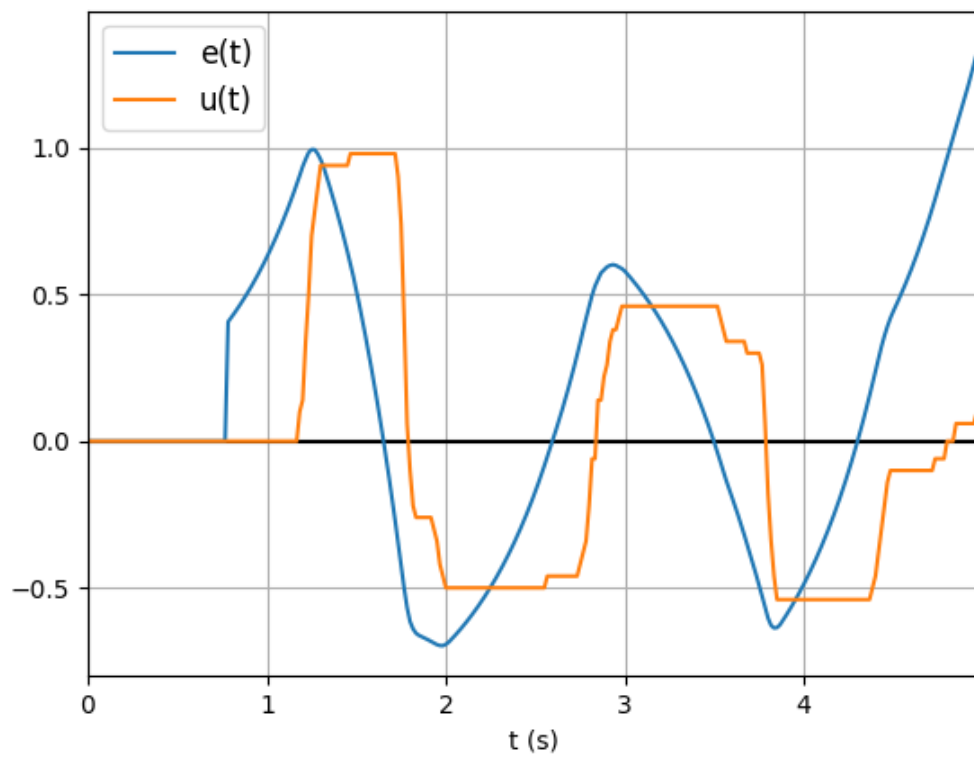


Plant in series with gain 1.0 and delay 0.88

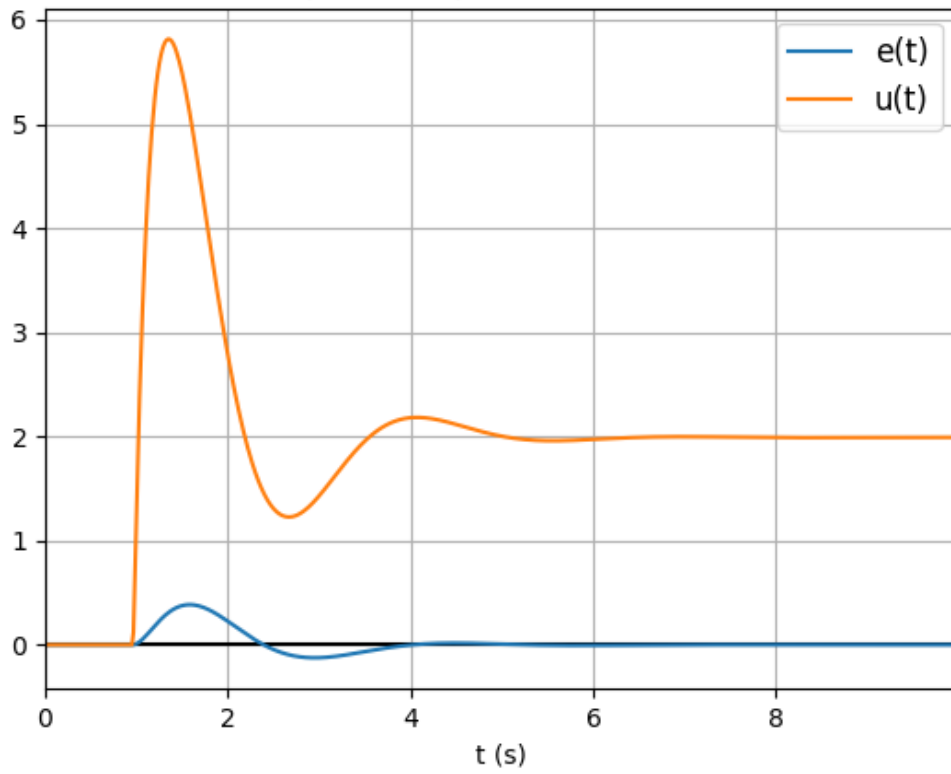


Sinusoidal Disturbance + Manual Control with small movements





PID Autopilot for $K_p=9.6$, $T_i=1.0$, $T_d=0.35$



Integrator wind-up

