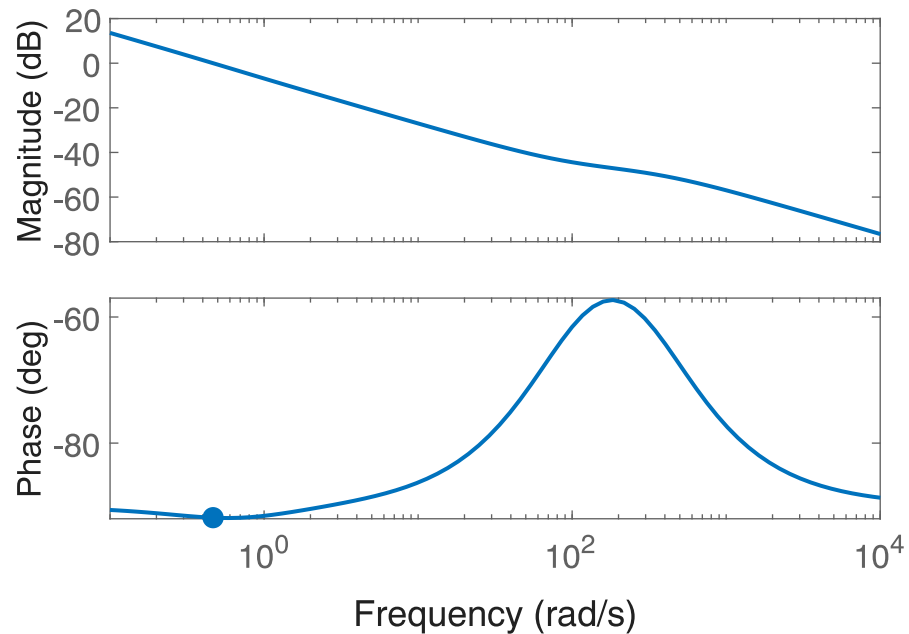
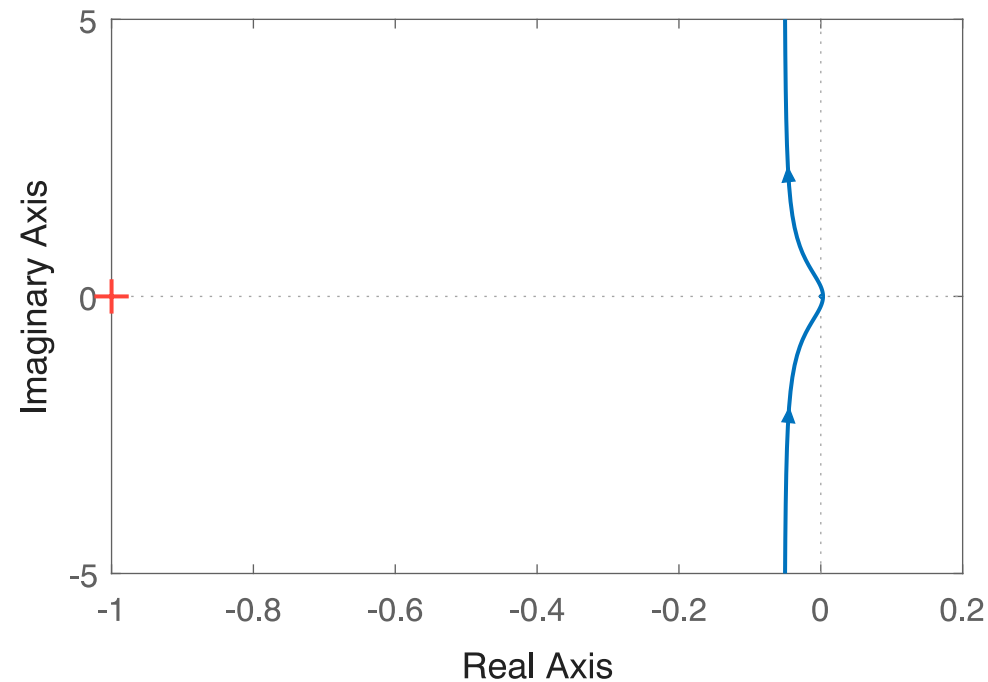


Bode plot with $T_i = 1.5$ and $T_d = 0.01$

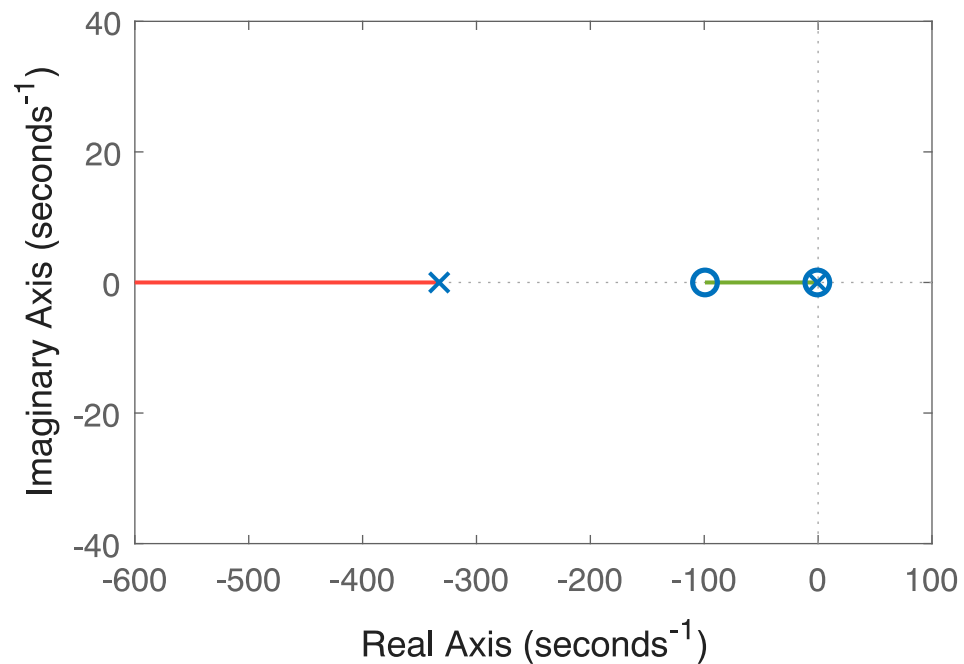
$G_m = \text{Inf}$, $P_m = 88.2^\circ$ (at 0.466 rad/s)



Nyquist plot with $T_i = 1.5$ and $T_d = 0.01$



Root locus with $T_i = 1.5$ and $T_d = 0.01$



Step response with $T_i = 1.5$ and $T_d = 0.01$

