

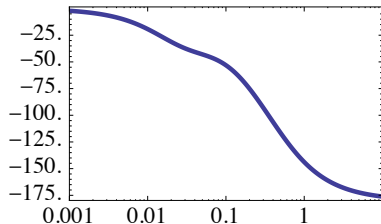
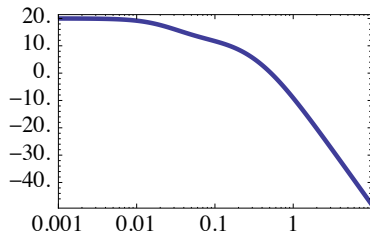
Overall Design

Plant:

$$G(s) = \frac{10}{\left(\frac{s}{0.2} + 1\right) \left(\frac{s}{0.5} + 1\right)}$$

Controller:

$$KD(s) = 0.4 \frac{s + 0.05}{s + 0.02}$$



— the design still needs a bit of refinement ...