

Bode Plots

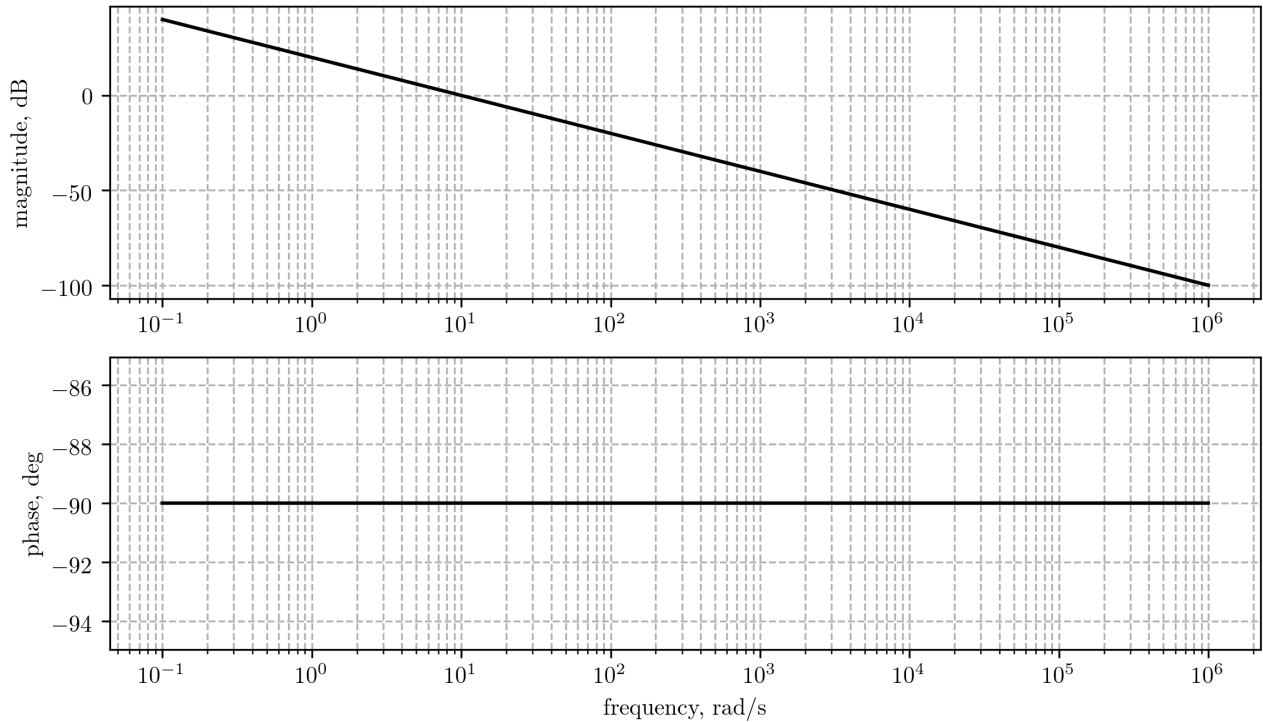


Figure 1: Bode plot for $G(s) = \frac{10}{s}$. My manual estimate is the same as the actual plot.

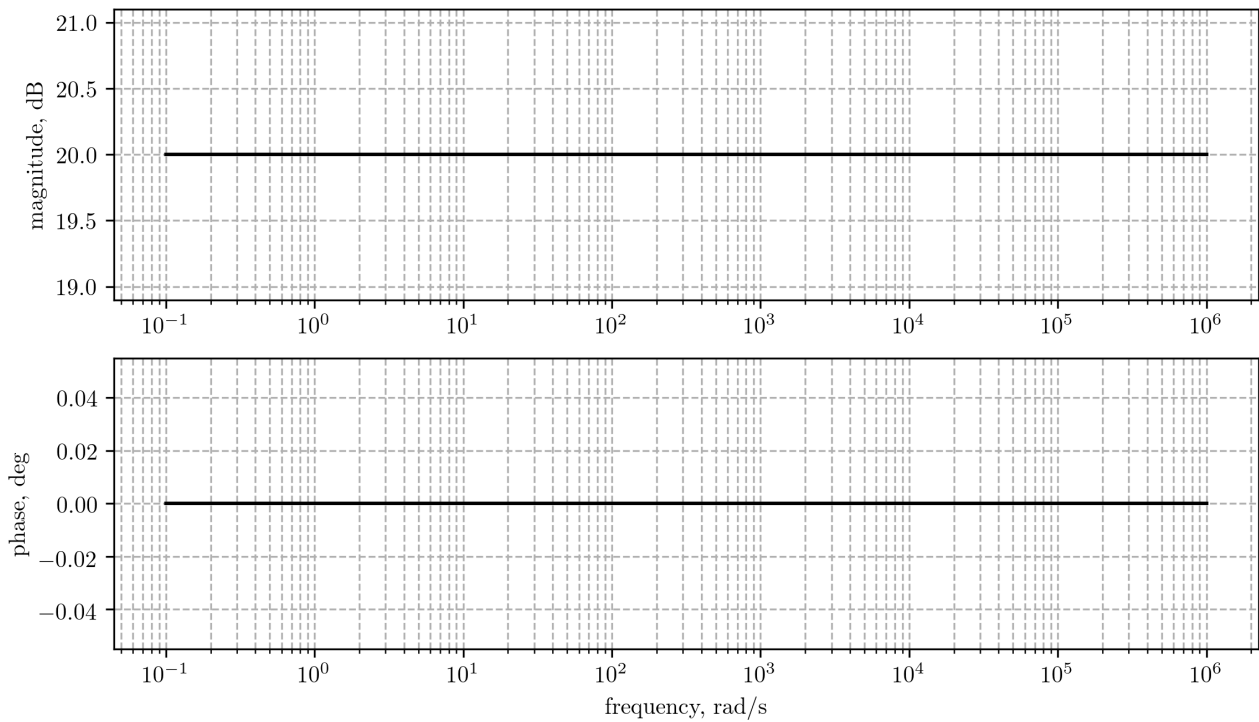


Figure 2: Bode plot for $G(s) = 10s$. My manual estimate for the phase plot is correct. However, my estimate for the magnitude plot is incorrect (it should have a positive slope).

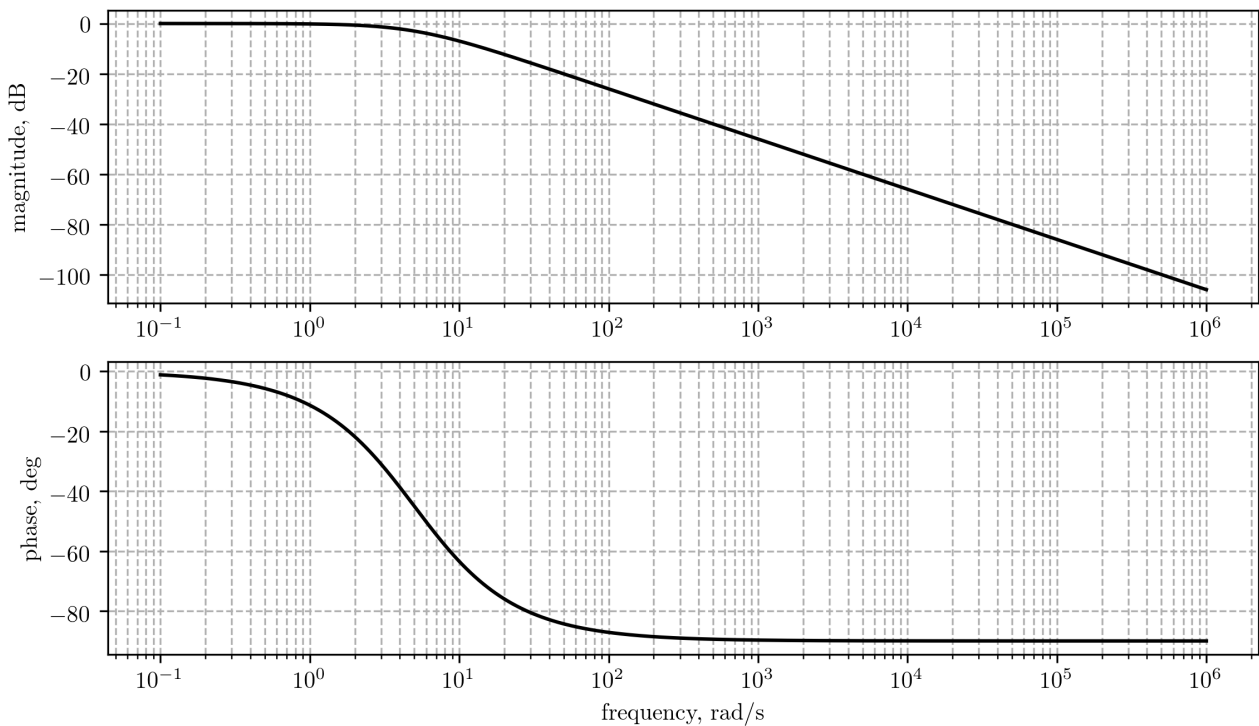


Figure 3: Bode plot for $G(s) = \frac{5}{s+5}$. My manual estimate is the same as the actual plot.

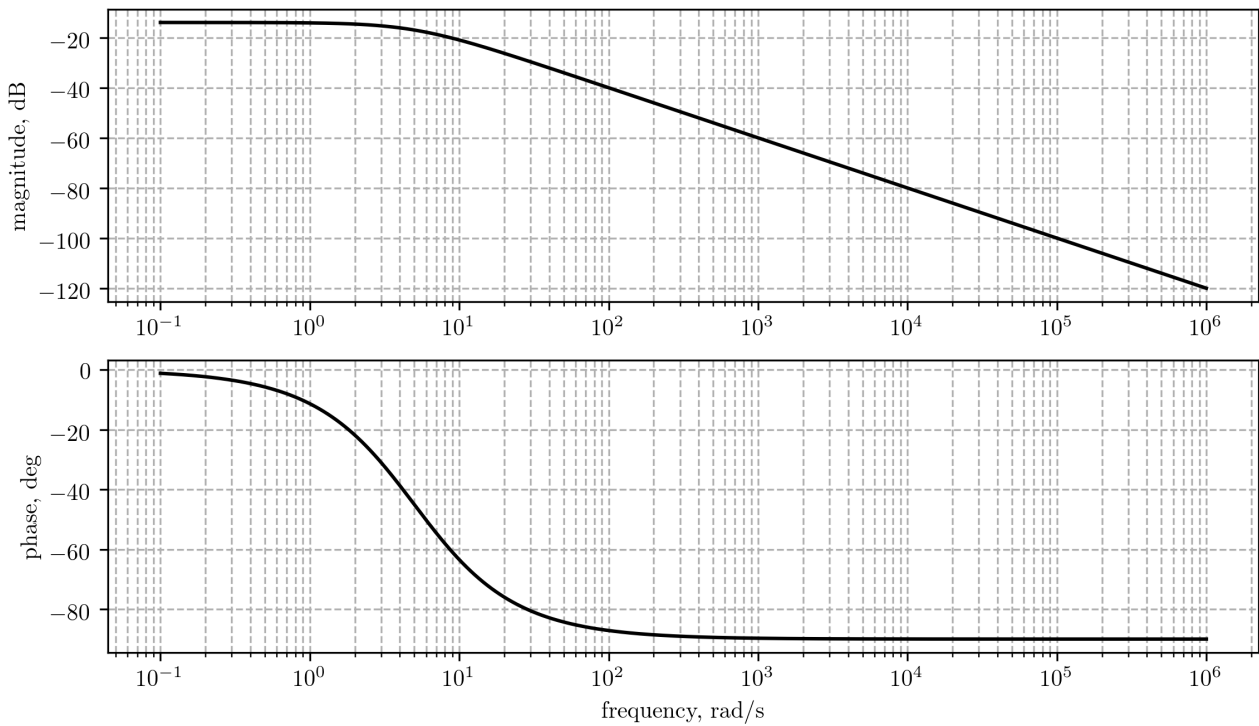


Figure 4: Bode plot for $G(s) = \frac{1}{s+5}$. My manual estimate is the same as the actual plot.

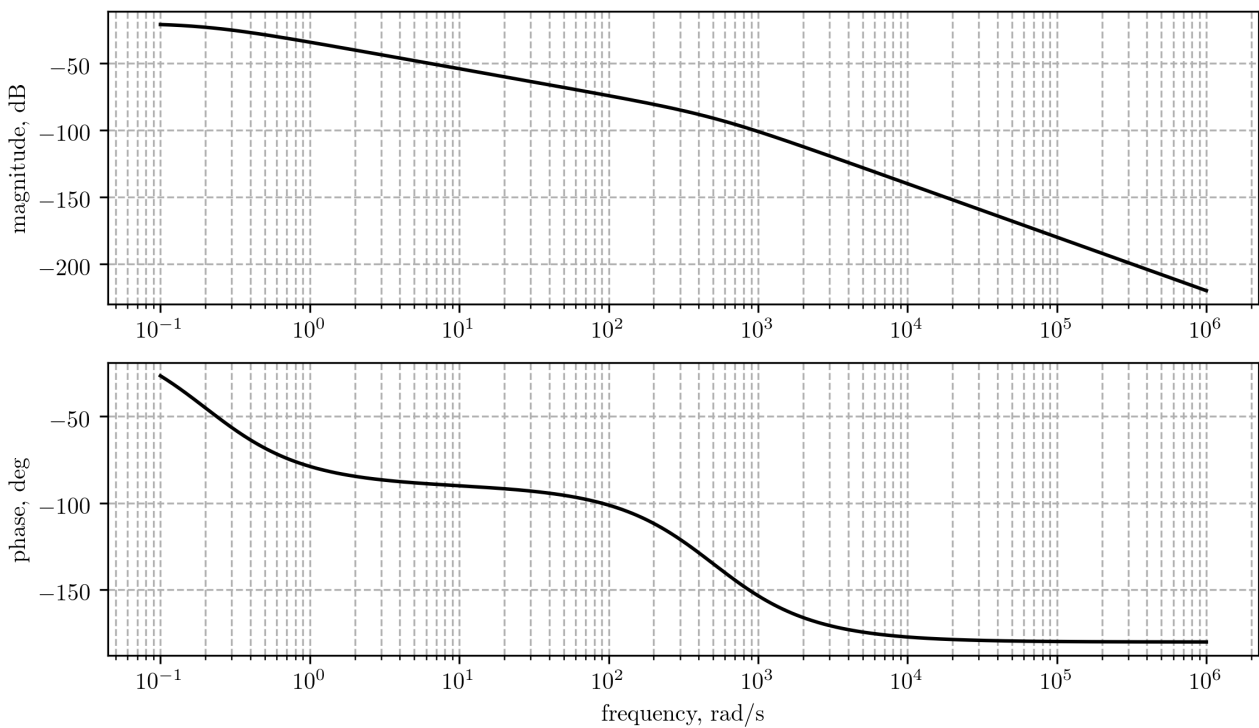


Figure 5: Bode plot for $G(s) = \frac{10}{(s+2)(s+500)}$. My manual estimate is the same as the actual plot.

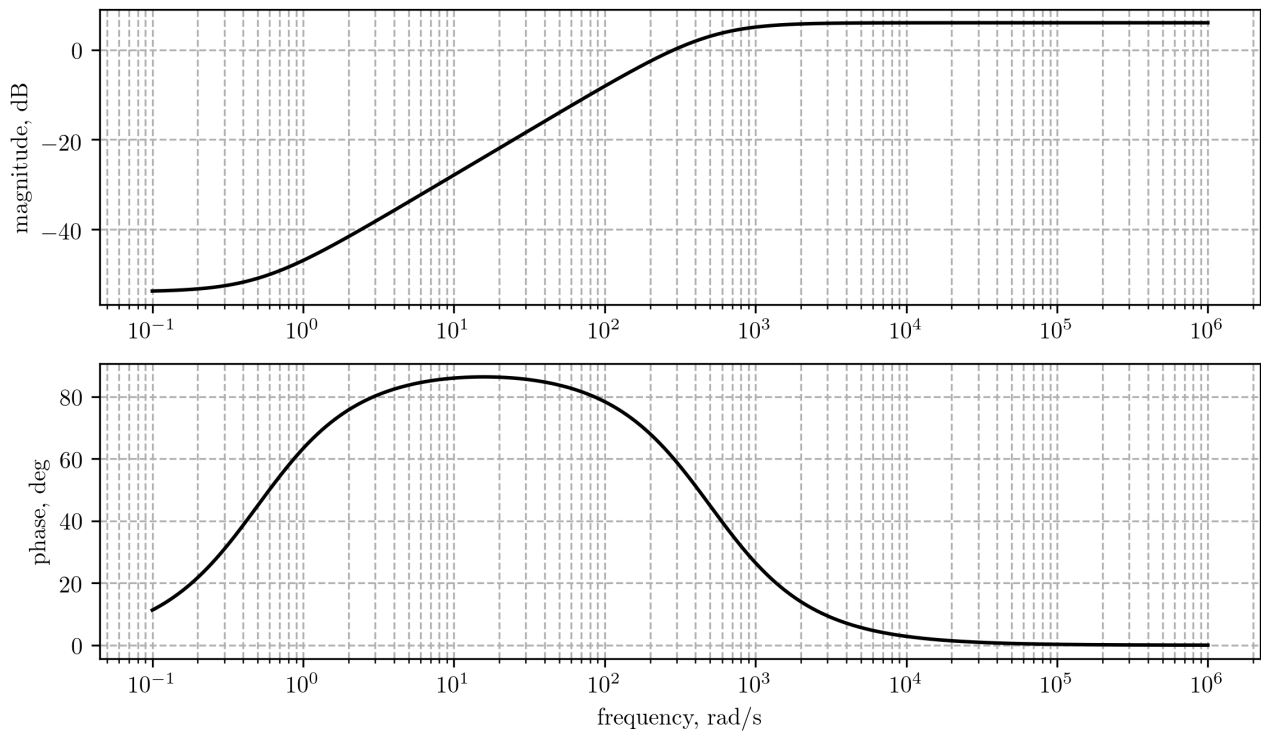


Figure 6: Bode plot for $G(s) = \frac{s+2}{s+500}$. My manual estimate is the same as the actual plot.

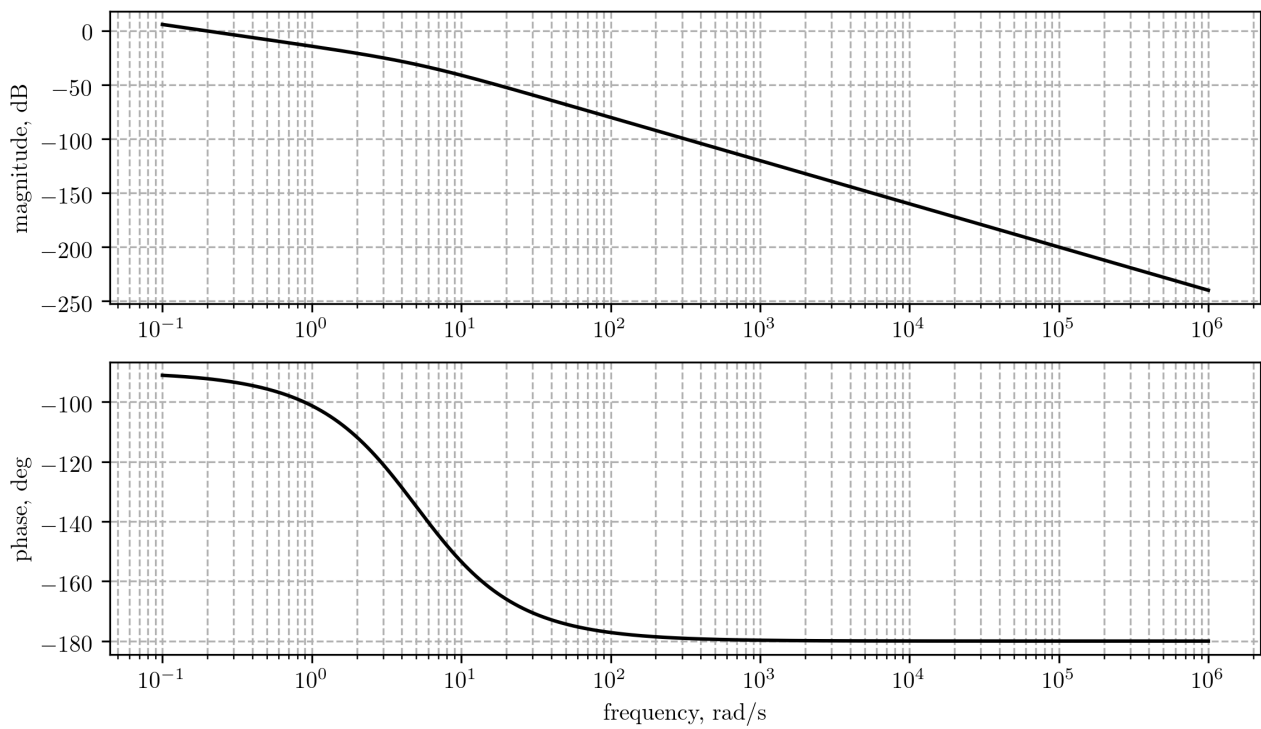


Figure 7: Bode plot for $G(s) = \frac{1}{s(s+5)}$. My manual estimate is the same as the actual plot.

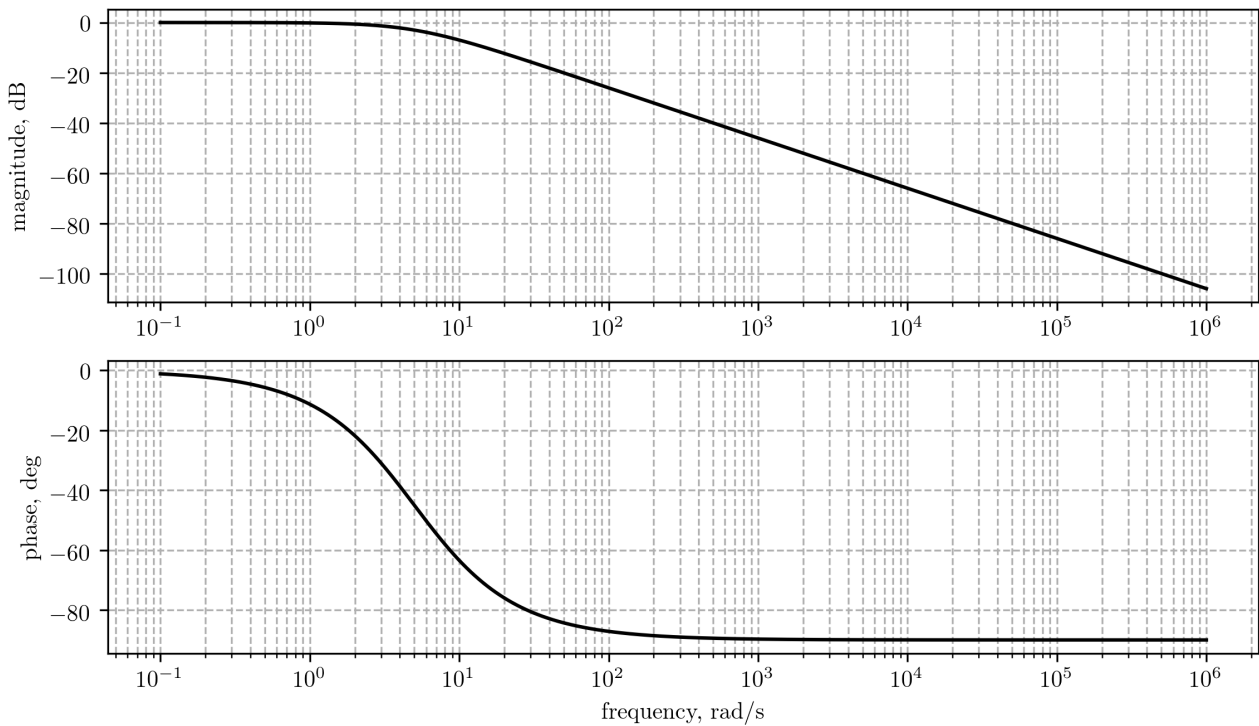


Figure 8: Bode plot for $G(s) = \frac{5s}{s+5}$. My manual estimate is the same as the actual plot.

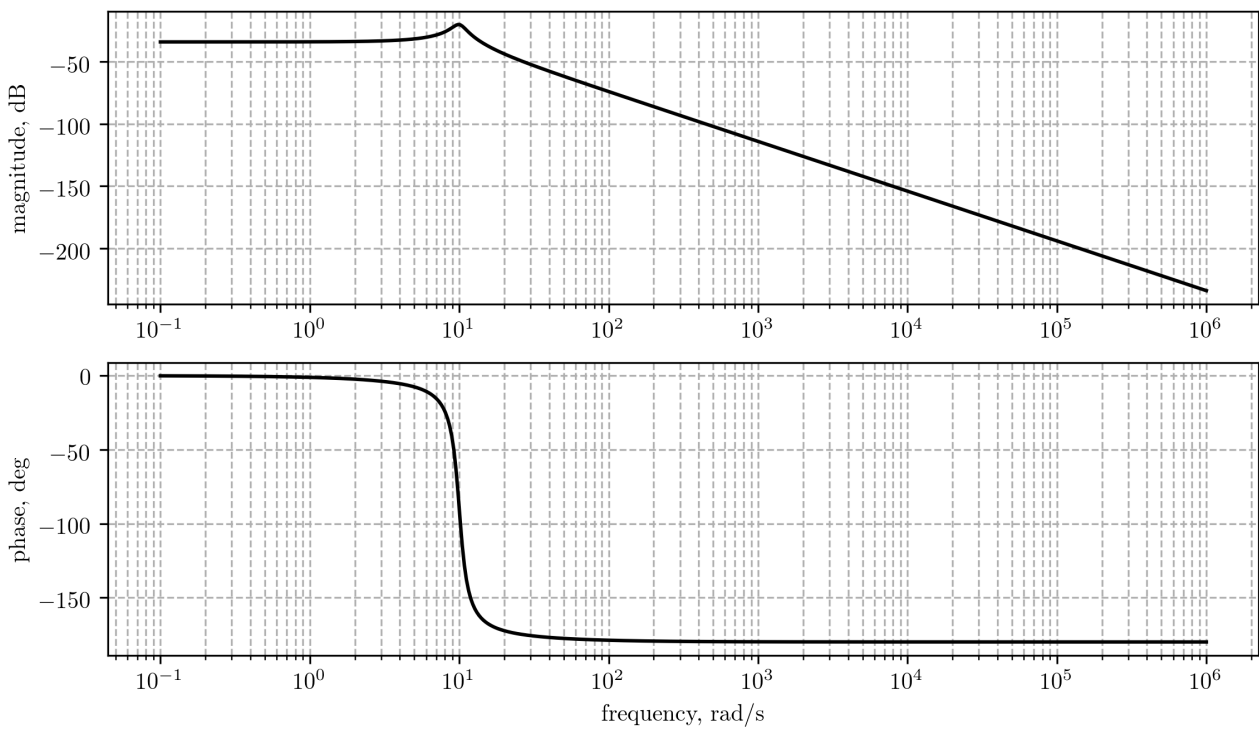


Figure 9: Bode plot for $G(s) = \frac{2}{s^2+2s+100}$. My manual estimate is the same as the actual plot.