



Draw the amplitude and phase curves, Bode plots, as a function of frequency for the following loop transfer functions:

1. $G(s)H(s) = \frac{100}{s^2}$

2. $G(s)H(s) = \frac{s}{s+10}$

3. $G(s)H(s) = \frac{10(s+10)}{s+1}$

4. $G(s)H(s) = \frac{0.1s+1}{s+1}$

5. $G(s)H(s) = \frac{10s}{0.1s+1}$

6. $G(s)H(s) = \frac{s+1}{s(0.1s+1)}$

7. $G(s)H(s) = \frac{2}{s}$

8. $G(s)H(s) = \frac{1}{s(s+8)}$

9. $G(s)H(s) = \frac{1}{(s+5)(s+10)}$