Bode Plot - Secon Order TFs

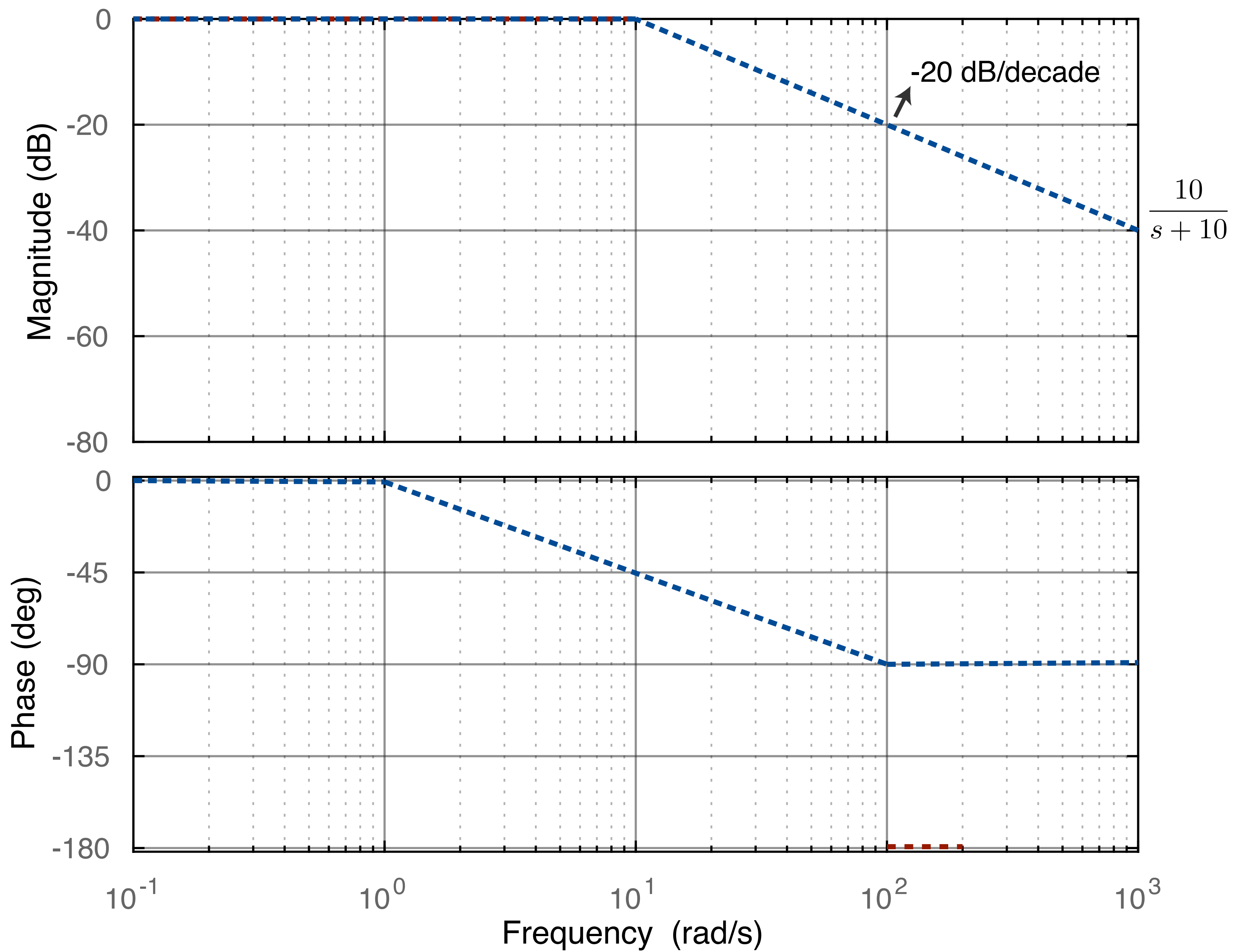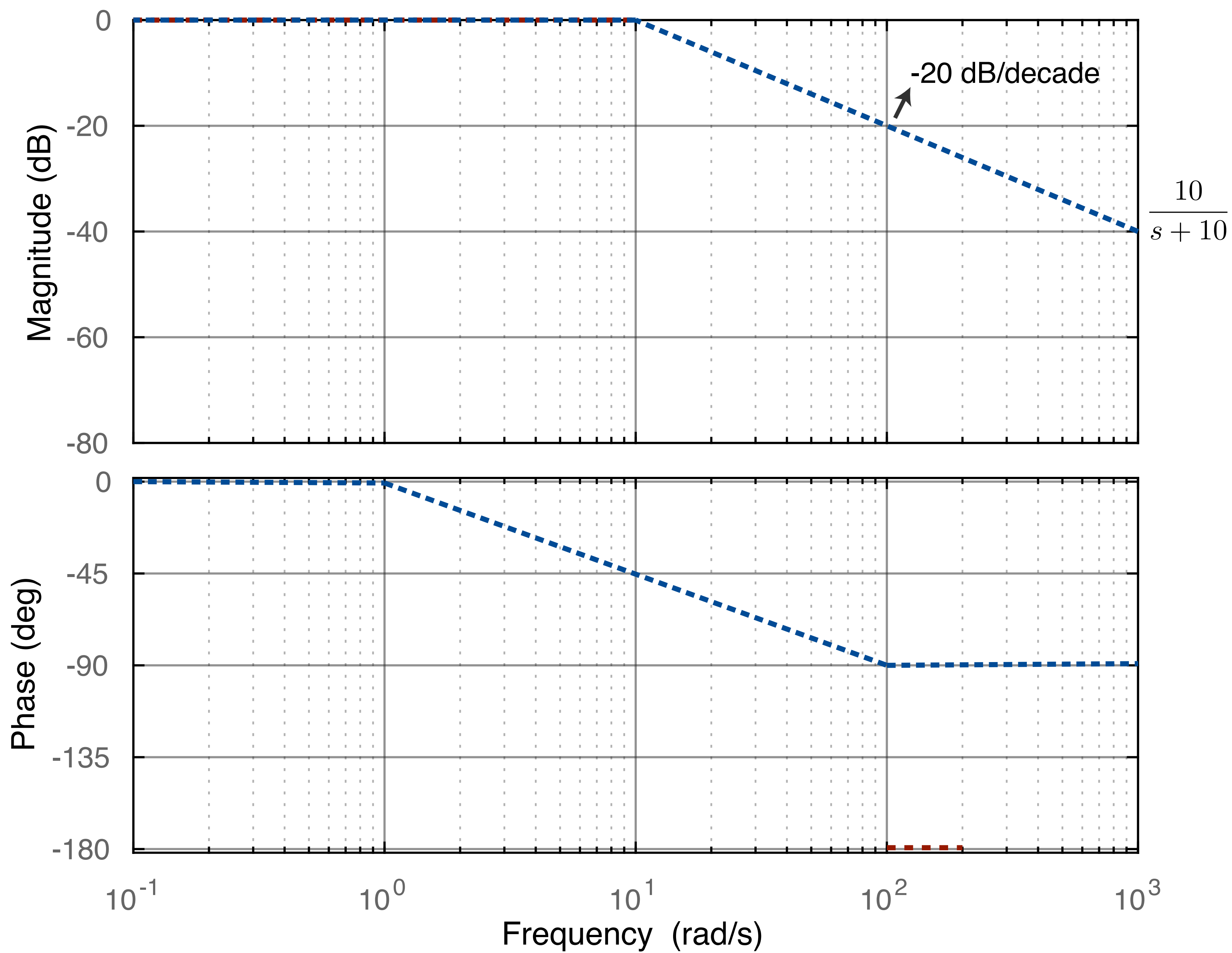https://github.com/mertankarali/Lecture-Notes/tree/master/METU-EE302/Lecture%2018
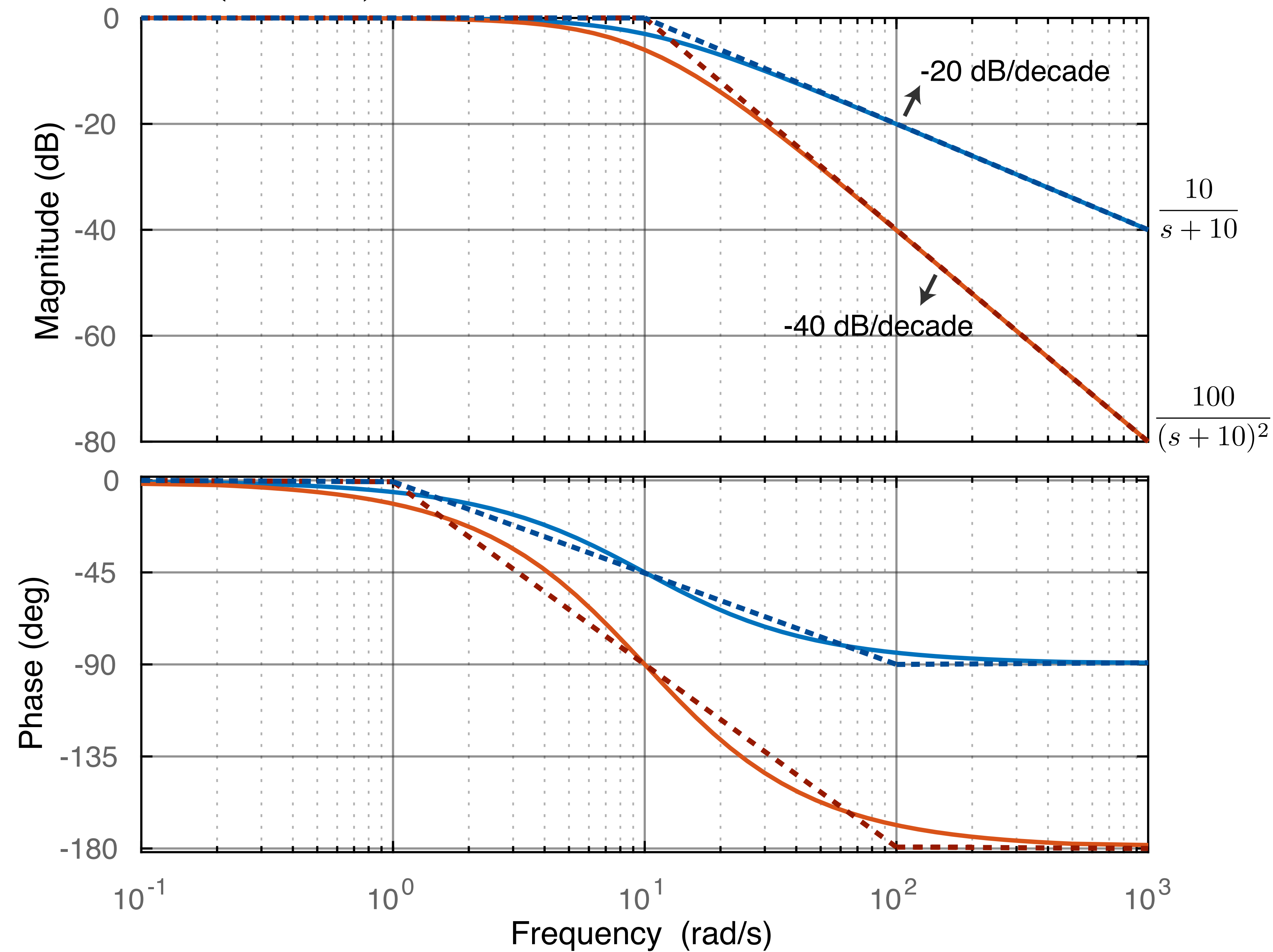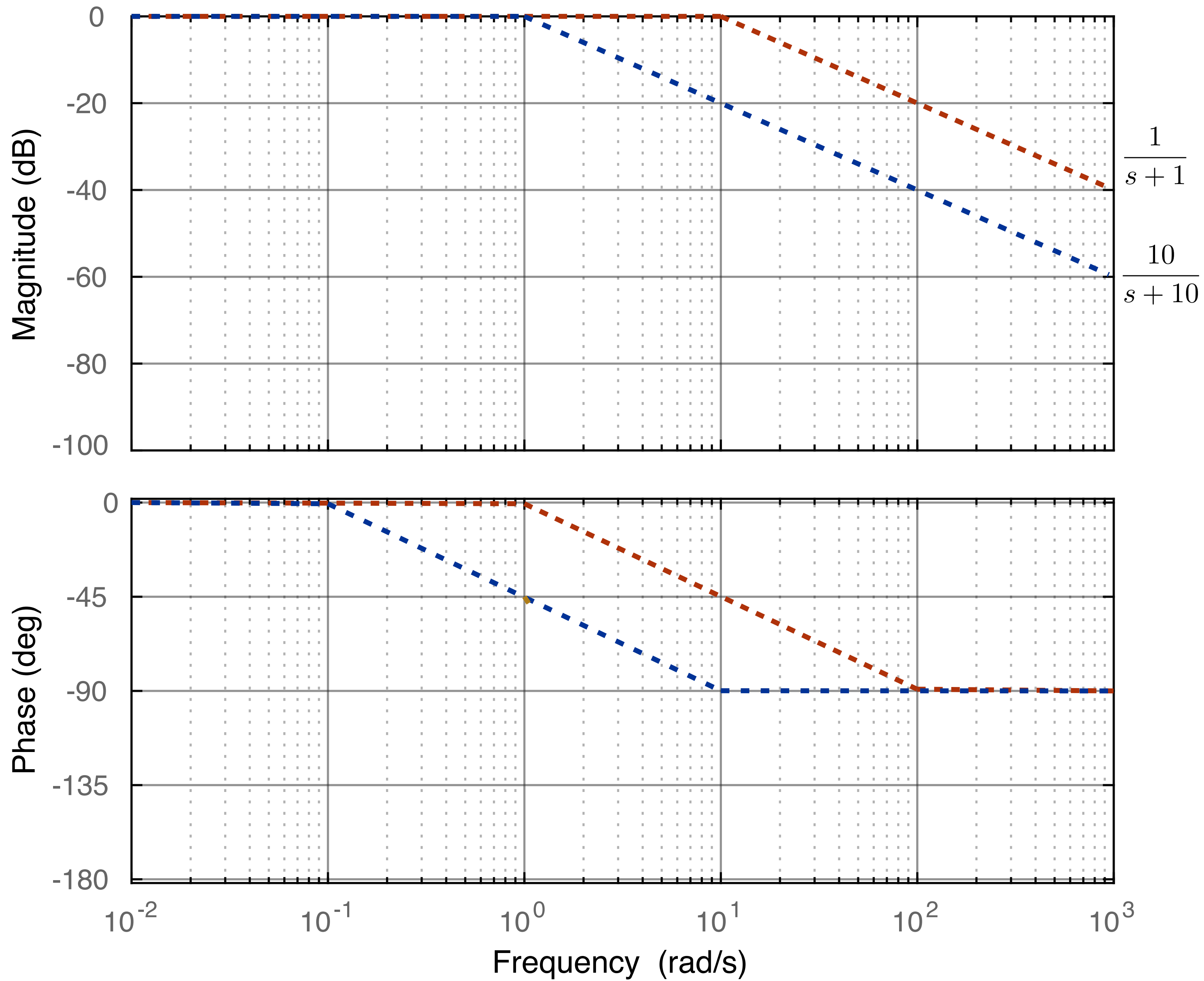
Lecture #18

$$G(s) = \frac{10}{(s + 10)}$$
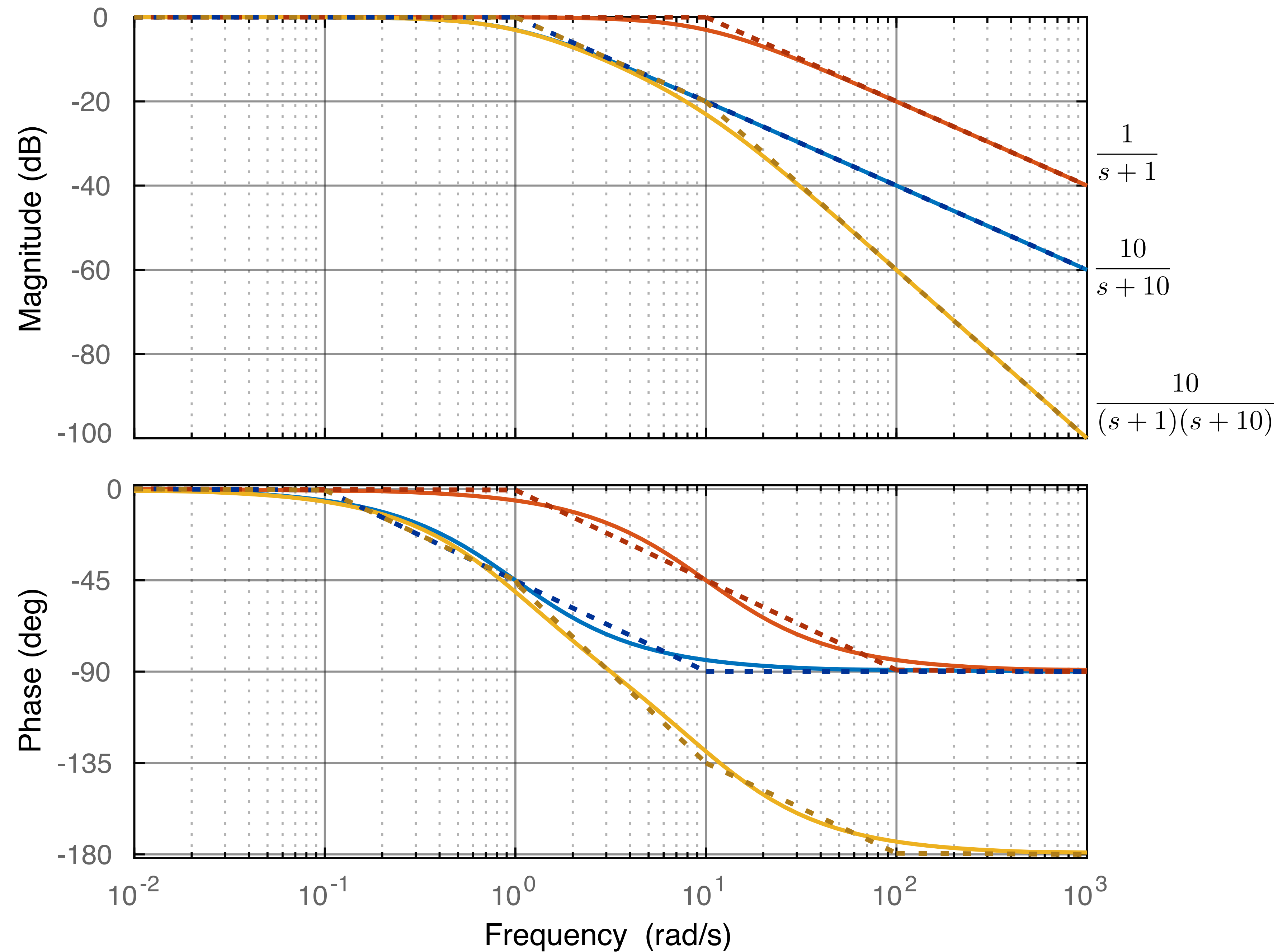
$$G(s) = \frac{100}{(s + 10)^2}$$

$$G(s) = \frac{100}{(s+10)^2}$$

-20 dB/decade

-40 dB/decade

$\frac{10}{s+10}$

$\frac{100}{(s+10)^2}$

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

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

$\frac{1}{s+1}$

$\frac{10}{s+10}$

$\frac{10}{(s+1)(s+10)}$

Underdamped

$$\frac{1}{s^2 + 2\zeta s + 1}$$