

$$G(s) = \frac{2(s+10)}{s^2 + s + 2} = \frac{2 \cdot 10}{2} \frac{(s/10 + 1)}{\frac{s^2}{2} + \frac{s}{2} + 1} \quad \omega_n = 10$$

$$\frac{s^2}{2} + \frac{s}{2} + 1 \quad \omega_n = 1.4$$

