

## Example, continued

Compare this to admissible regions for given specs:

$$t_s \approx \frac{3}{\sigma} \quad \text{want } \sigma \text{ large, can only have } \sigma = \frac{1}{2} \quad (t_s = 6)$$

$$t_r \approx \frac{1.8}{\omega_n} \quad \text{want } \omega_n \text{ large} \implies \text{want } K \text{ large}$$

$$M_p \quad \text{want to be inside the shaded region} \implies \text{want } K \text{ small}$$

