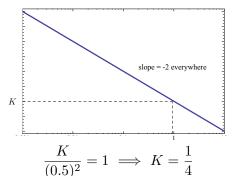
Back to Our Example: $G(s) = \frac{1}{s^2}$

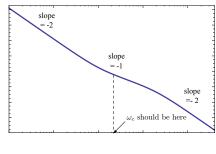
Objectives (same as before):

- stability
- ▶ good damping
- \triangleright $\omega_{\rm BW}$ close to 0.5

$$KG(s) = \frac{K}{s^2}$$
 (w/o lead):



after adding lead:



— adding lead will increase $\omega_c!!$