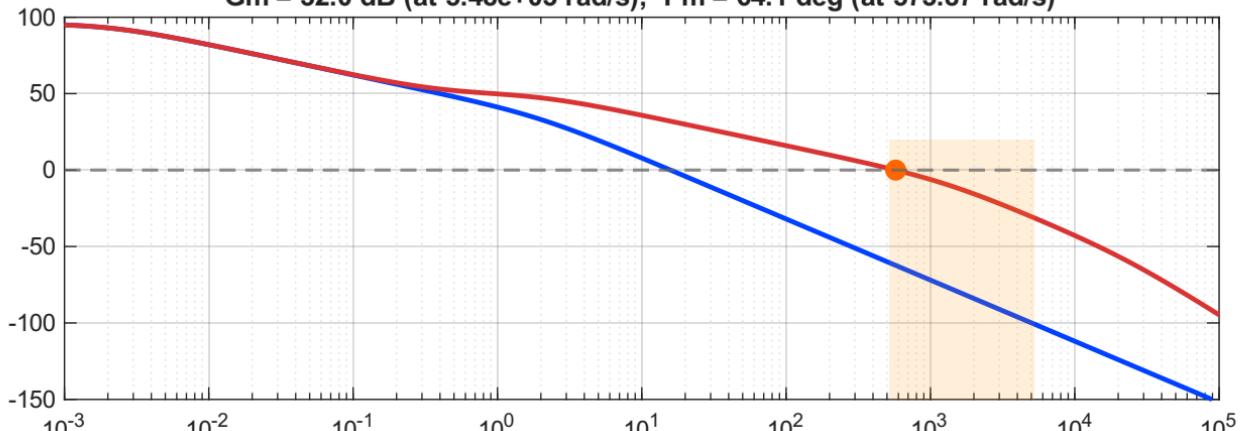


### Bode $L(s)$ e $G_e(s)$

$G_m = 32.0 \text{ dB}$  (at  $5.48e+03 \text{ rad/s}$ ),  $P_m = 64.1 \text{ deg}$  (at  $573.87 \text{ rad/s}$ )

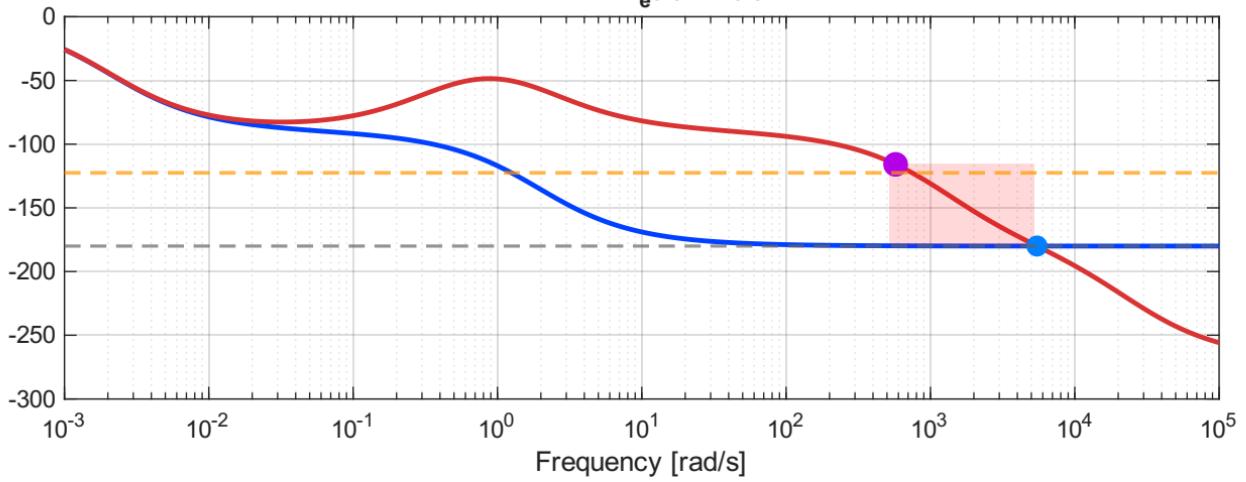
Aampiezza [dB]



- $G_e(s)$
- $L(s)$
- $\omega_c \leq \omega_{c,\min}$
- $\omega_c : |L| = 1$

### Fase di $G_e(s)$ e $L(s)$

Fase [deg]



- $PM = 64.1^\circ$
- Soglia  $M_f = 57.5^\circ$
- $\omega_{pm}$
- $\omega_{gm}$  (fase  $\approx -180^\circ$ )