



訂正!

7.6 (K=1)

$$L(s) = \frac{1}{s} \times \frac{1}{s+1} \times \frac{1}{0.1s+1}$$

- ①
- ②
- ③

$\omega_b = 1 \quad 10$

$K = 10 \text{ dB}$

$g_m = 20 \text{ dB}, \quad \rho_m = 45^\circ$

(a) $4 \text{ rad/s} \rightarrow 8 \text{ dB} \rightarrow 11 \text{ dB}$

~~$20 \log K = 6 \rightarrow K = 0.56$~~

(b) 交差周波数 $\omega_c = 0.58 \text{ rad/s} = 11 \text{ dB}$

$20 \log K = -5 \rightarrow K = 0.56$