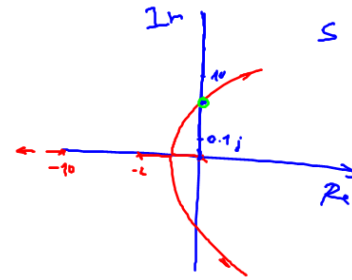
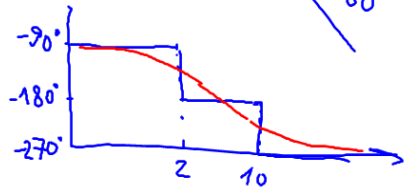
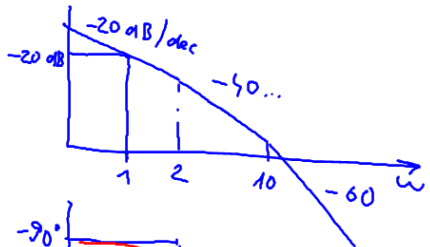


$$G(s) = \frac{2}{s(s+10)(s+2)} = \frac{2}{s \cdot 10 \cdot (\frac{1}{10}s+1) \cdot 2 (\frac{1}{2}s+1)}$$

$$G(j\omega) = \left[ \frac{1}{10} \right] \cdot \frac{1}{j\omega (\frac{1}{10}j\omega+1) (\frac{1}{2}j\omega+1)}$$

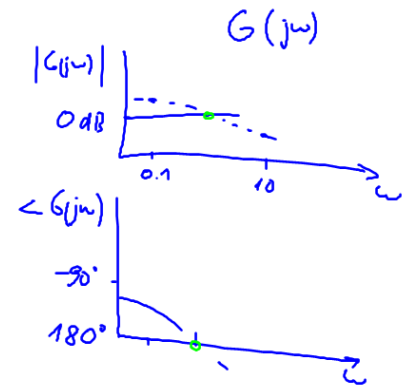


$$s = a + jb$$

$$1 + K G(s) = 0$$

$$|K G(s)| = +1$$

$$\angle G(s) = k \cdot 180^\circ$$



$$\frac{\omega_n^2}{s^2 + 2\zeta\omega_n s + \omega_n^2}$$

