

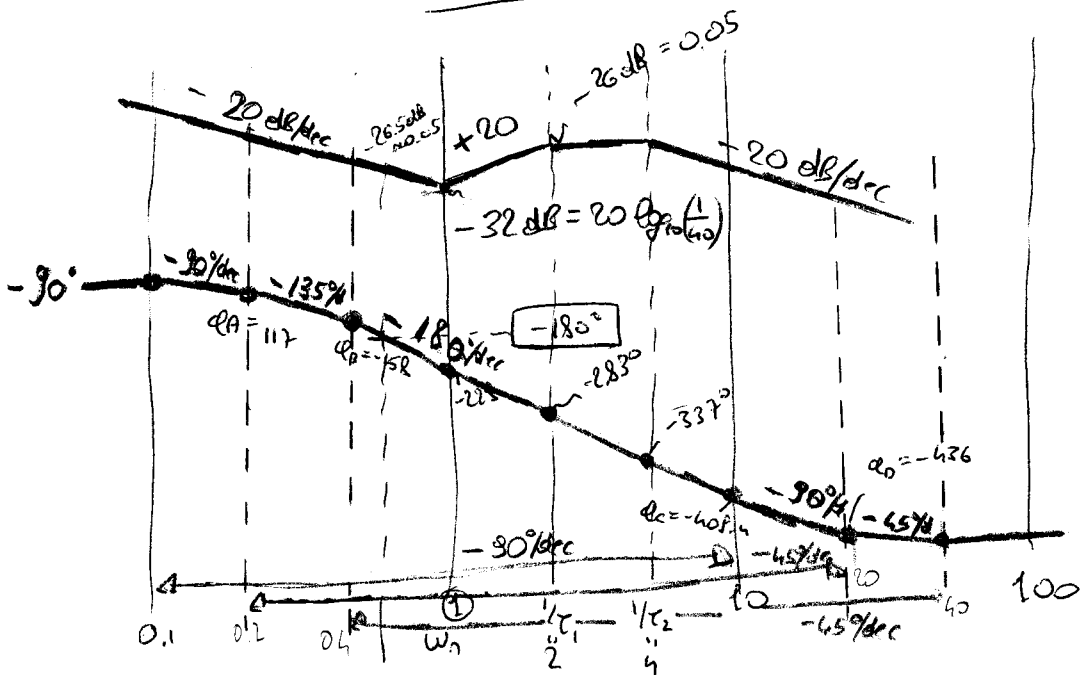
$$G_h(s) = \frac{s^2 - 0.2s + 1}{5s(s+2)(s+4)} = \frac{1}{5 \cdot 2 \cdot 4} \frac{1 - 0.2s + s^2}{s(1 + \frac{1}{2}s)(1 + \frac{1}{4}s)}$$

$$= \frac{0.025}{\left(\frac{1}{40}\right)} \frac{1 - 0.2s + s^2}{s(1 + 0.5s)(1 + 0.25s)}$$

$s^2 - 0.2s + 1$ ha radici
complesse
 $\Rightarrow \zeta < \omega_n$

$$\boxed{\omega_n = 1} \quad \frac{2\zeta}{\omega_n} = -0.2 \Rightarrow \boxed{\zeta = -0.1}$$

$$\tau_1 = 0.5 \rightarrow \boxed{\frac{1}{\tau_1} = 2} \quad \tau_2 = 0.25 \rightarrow \boxed{\frac{1}{\tau_2} = 4}$$



$$\begin{aligned} \phi_B - 180 \log_{10} \frac{\omega}{0.6} &= -180 \\ 180 \log_{10} \frac{\omega}{0.6} &= 180 + \phi_B \\ (180 + \phi_B) / 180 & \\ \omega &= 0.6 \cdot 10 \end{aligned}$$

053

$N=0$
 $P_p=0$
a.s. stab

