Étude de $\underline{H} = \dfrac{1}{1+jx}$

On a $\underline{H} = \dfrac{1}{1+jx} = \dfrac{1}{1+j\dfrac{\omega}{\omega_0}}$

$\omega \to 0 : \underline{H} \sim 1, \quad G = 0 \text{ dB}, \quad \varphi = 0°$

$\omega \to +\infty : \underline{H} \sim \dfrac{1}{j\dfrac{\omega}{\omega_0}}, \quad G = 20\log\omega_0 - 20\log\omega, \quad \varphi = -90°$