Étude de $\underline{H} = 1 + jx$

On a $\underline{H} = 1 + jx = 1 + j\dfrac{\omega}{\omega_0}$
$\omega \to 0 : \underline{H} \sim 1, \quad G = 0$ dB, $\quad \varphi = 0°$
$\omega \to +\infty : \underline{H} \sim j\dfrac{\omega}{\omega_0}, \quad G = 20\log\omega - 20\log\omega_0 \quad , \varphi = 90°$