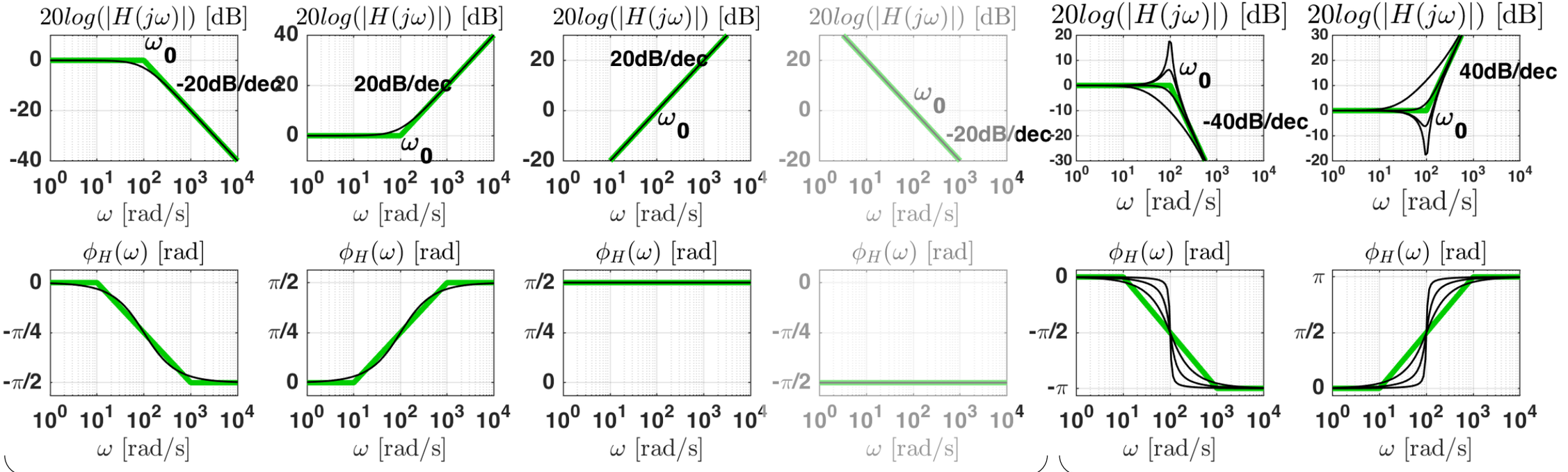
$$H(s) = \frac{1}{1+\frac{s}{\omega_0}} \qquad H(s) = 1+\frac{s}{\omega_0} \qquad H(s) = \frac{s}{\omega_0} \qquad H(s) = \frac{1}{\frac{s}{\omega_0}} \qquad H(s) = \frac{1}{1+\frac{s}{\omega_0 Q}+\frac{s^2}{\omega_0^2}} \qquad H(s) = 1+\frac{s}{\omega_0 Q}+\frac{s^2}{\omega_0^2}$$

$$H(j\omega) = \frac{1}{1+j\frac{\omega}{\omega_0}} \qquad H(j\omega) = 1+j\frac{\omega}{\omega_0} \qquad H(j\omega) = j\frac{\omega}{\omega_0} \qquad H(j\omega) = \frac{1}{j\frac{\omega}{\omega_0}} \qquad H(j\omega) = \frac{1}{1+j\frac{\omega}{\omega_0 Q}-\frac{\omega^2}{\omega_0^2}} \qquad H(j\omega) = 1+j\frac{\omega}{\omega_0 Q}-\frac{\omega^2}{\omega_0^2}$$



Pro $\omega_0 < 0$ má fáze opačné znamínko (např. nula vpravo)

Pro $Q < 0$ ($\zeta < 0$) má fáze opačné znamínko (např. nula v pravo)