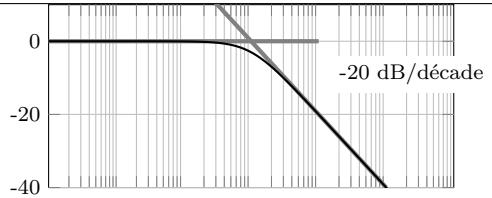
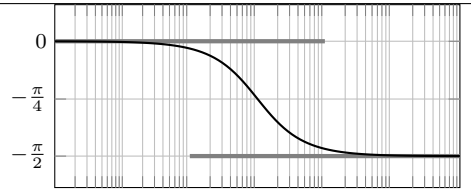
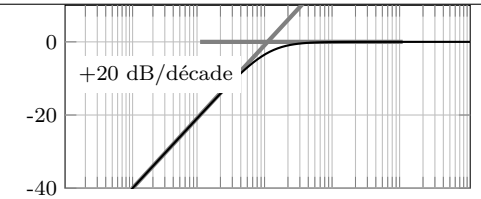
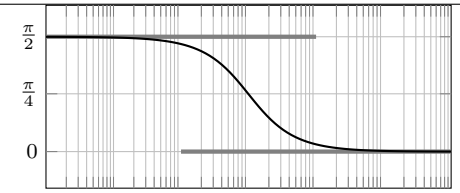
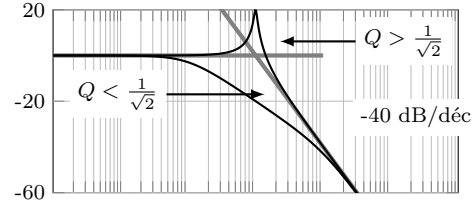
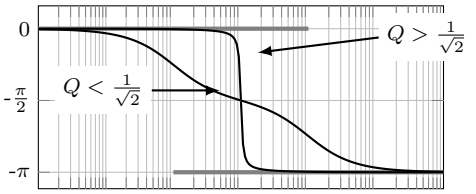
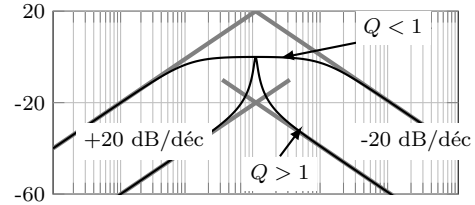
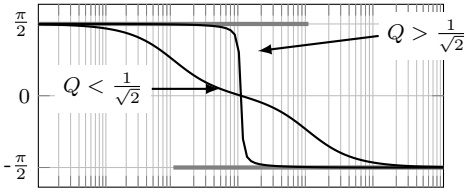
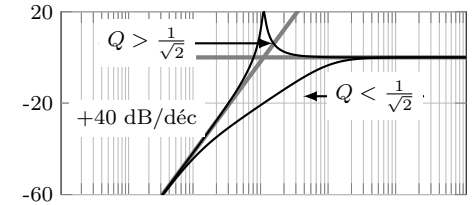
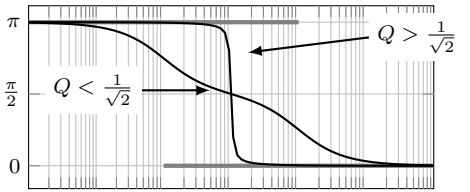
Nature du filtre	Fonction de transfert canonique normalisée	Diagramme de Bode en gain en dB	Diagramme de Bode en phase	Bande passante à -3 dB ou résonance
Passe-bas 1er ordre	$\underline{H}(x) = \dfrac{1}{1+jx}$			$\omega_c = \omega_0$ BP= $[0;\omega_0]$
Passe-haut 1er ordre	$\underline{H}(x) = \dfrac{jx}{1+jx}$			$\omega_c = \omega_0$ BP= $[\omega_0;+\infty]$
Passe-bas 2ème ordre	$\underline{H}(x) = \dfrac{1}{1+j\frac{x}{Q}-x^2}$			Résonance si $Q > \frac{1}{\sqrt{2}}$ $\omega_r = \omega_0\sqrt{1-\dfrac{1}{2Q^2}}$
Passe-bande 2ème ordre	$\underline{H}(x) = \dfrac{1}{1+jQ\left(x-\frac{1}{x}\right)}$			Toujours résonance $\Delta\omega = \dfrac{\omega_0}{Q}$
Passe-haut 2ème ordre	$\underline{H}(x) = \dfrac{-x^2}{1+j\frac{x}{Q}-x^2}$			Résonance si $Q > \frac{1}{\sqrt{2}}$ $\omega_r = \omega_0\sqrt{1-\dfrac{1}{2Q^2}}$