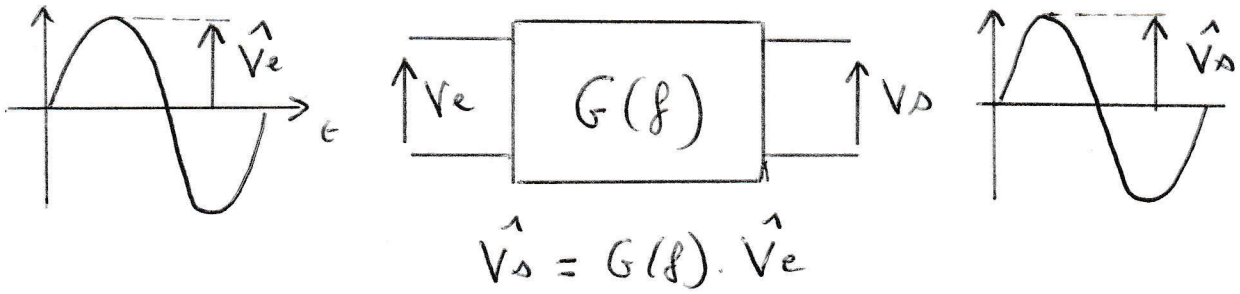


Filtres Actifs

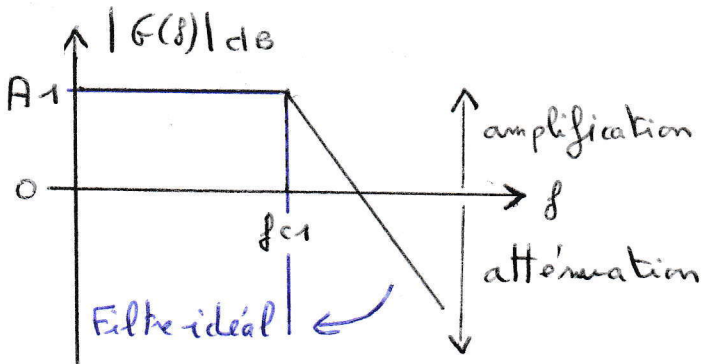


Réponse fréquentielle : $|G(f)|_{dB} = 20 \log G(f)$

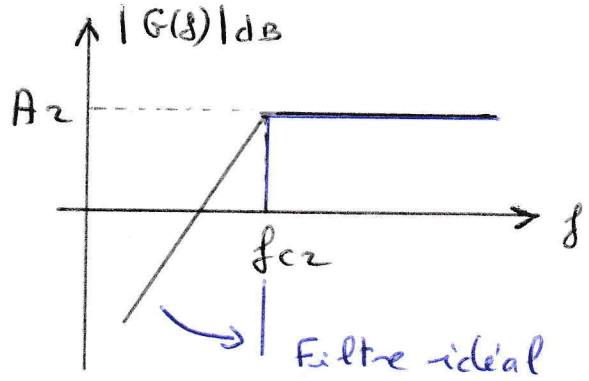
$G(f) > 1 \Rightarrow |G(f)|_{dB} > 0$ Amplification

$0 < G(f) < 1 \Rightarrow -\infty < |G(f)|_{dB} < 0$ Atténuation

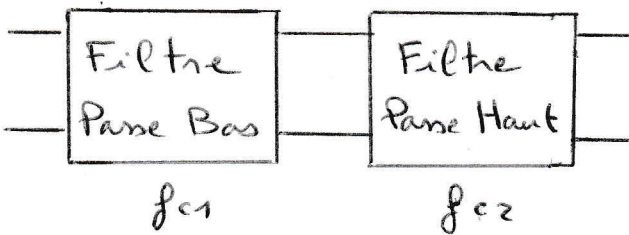
$G(f) = 0 \Rightarrow |G(f)|_{dB} \rightarrow -\infty$ Suppression



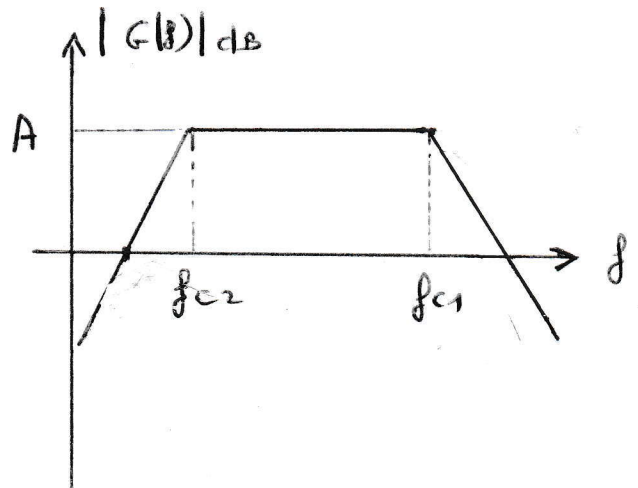
Filtre Passe Bas



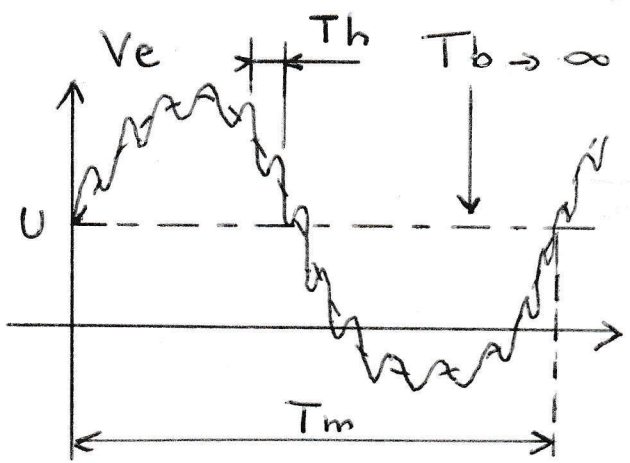
Filtre Passe Haut



Filtre Passe Bande



Filtre Passe Bande



- Superposition de 3 signaux :
- signal continu ($f_b = 0$)
 - signal de période T_m ($f_m = \frac{1}{T_m}$)
 - signal de période T_h ($f_h = \frac{1}{T_h}$)

