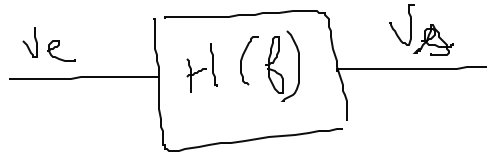


Synthèse de filtre



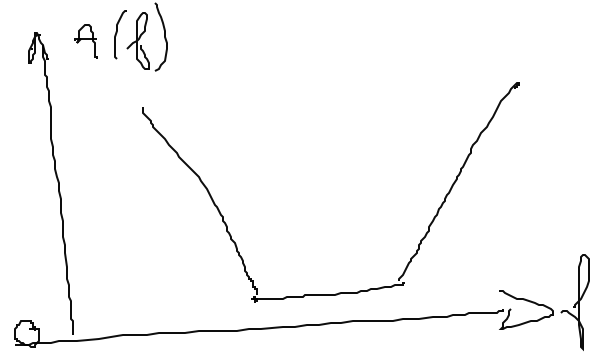
$$H(f) = \frac{V_s}{V_e}$$

$$\frac{P_s}{P_e} = |H(f)|^2 \quad \text{si } Z_g = Z_L$$

$$H(f)(dB) = 20 \log_{10} |H(f)| = 10 \log_{10} |H(f)|^2$$

$$P_s (dBm) = P_e (dBm) + H(f) dB = P_e (dBm) - A (dB)$$

si filtre passif $|H(f)| \leq 1$ $H(f) (dB) \leq 0$ dB



Atténuation

$$A(f) (dB) = -H(f) (dB)$$