

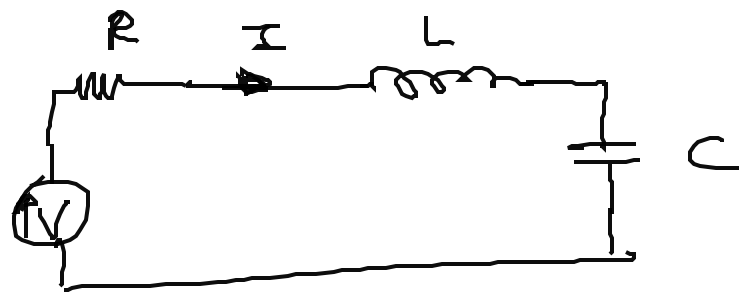
6.1

$$P_{\text{moy}} = V_e I_e \cos \varphi$$

$$V_e = \frac{V}{\sqrt{2}}$$

φ : déphasage de I / V

$$I_e = \frac{V_e}{Z}$$



$$\hat{i} = \frac{v}{Z}$$

$$Z = R + j \left(L\omega - \frac{1}{C\omega} \right)$$

$$\hookrightarrow |I| = \frac{|v|}{|Z|}$$

$$\hookrightarrow \varphi(I) = \varphi(v) - \varphi(Z)$$