

Les vecteurs (phaseurs) en alternatif

$$X_L = \omega \cdot L$$

$$X_C = \frac{1}{\omega \cdot C}$$

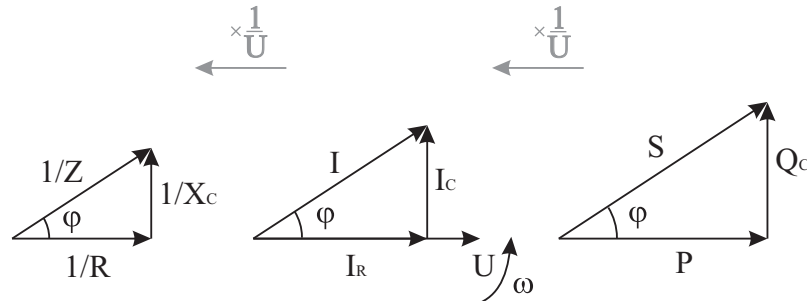
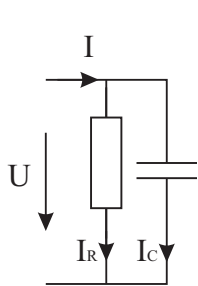
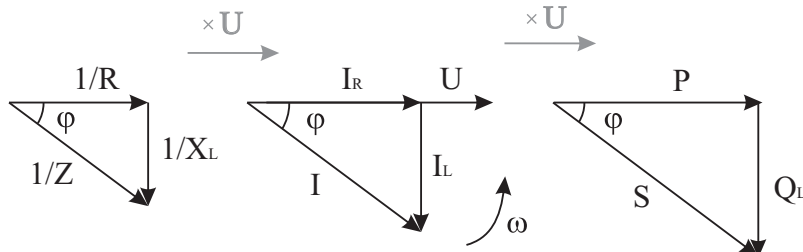
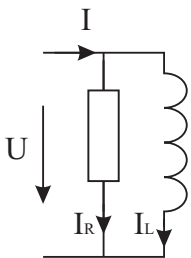
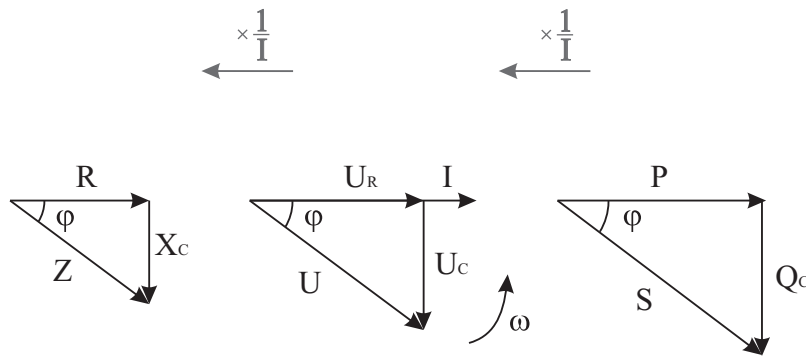
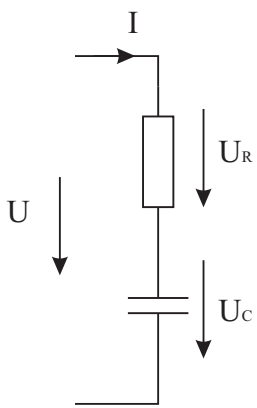
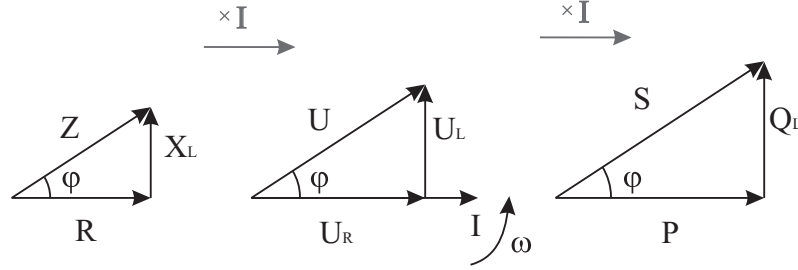
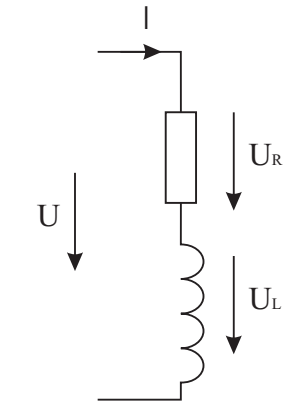
$$\omega = 2 \cdot \pi \cdot f$$

L: inductance[H]

C: capacité[F]

f: fréquence[Hz]

ω : pulsation [$\frac{\text{Rad}}{\text{s}}$]



Z: Impédance [Ω] 1/Z: Admittance [S]
R: Résistance [Ω] 1/R: Conductance [S]
X: Réactance [Ω] 1/X: Susceptance [S]

S: Puissance apparente [VA]
P: Puissance active [W]
Q: Puissance réactive [Var]