

Les vecteurs (phaseurs) en alternatif

$$X_L = \omega \cdot L$$

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

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

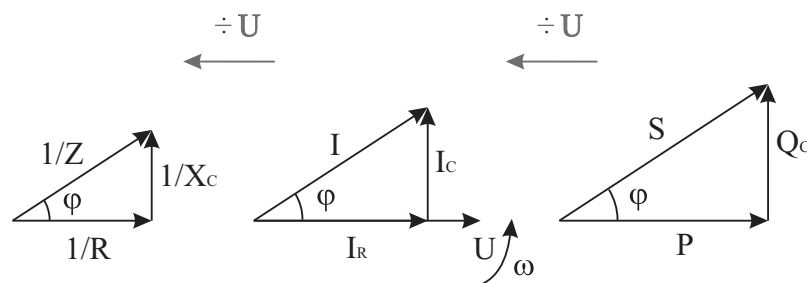
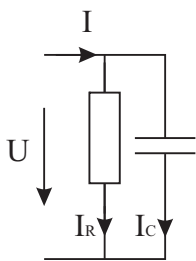
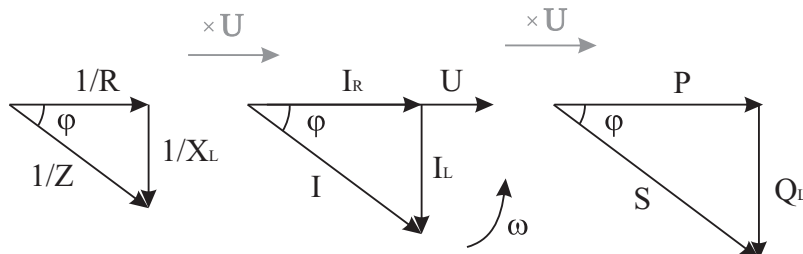
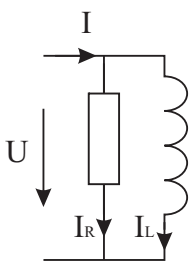
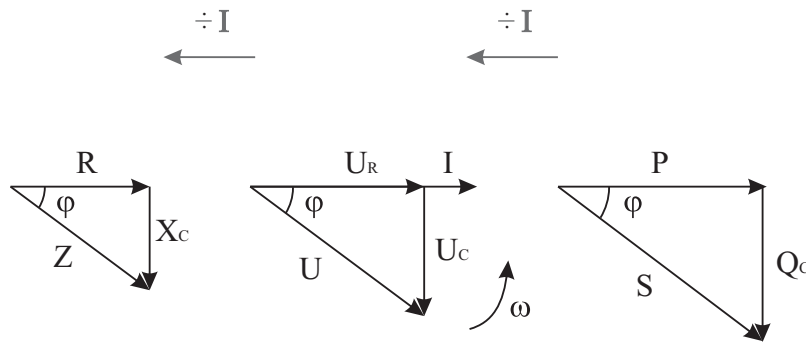
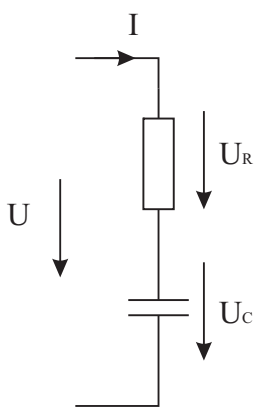
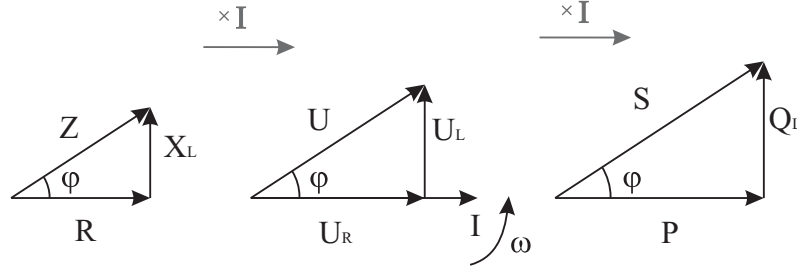
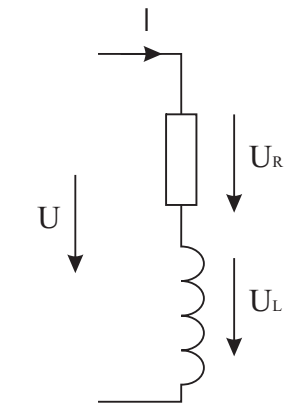
L: inductance[H]

C: capacité[F]

f: fréquence[Hz]

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

Facteur de puissance:
 $\cos(\varphi)$



Z: Impédance [Ω]

R: Résistance [Ω]

X: Réactance [Ω]

1/Z: Admittance [S]

1/R: Conductance [S]

1/X: Susceptance [S]

S: Puissance apparente [VA]

P: Puissance active [W]

Q: Puissance réactive [Var]