Zeno Martini (admin)

INDUTTANZA PURA

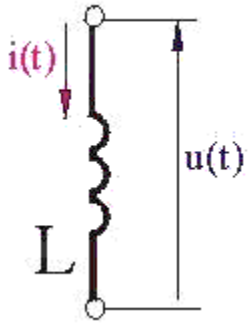
1 January 2004

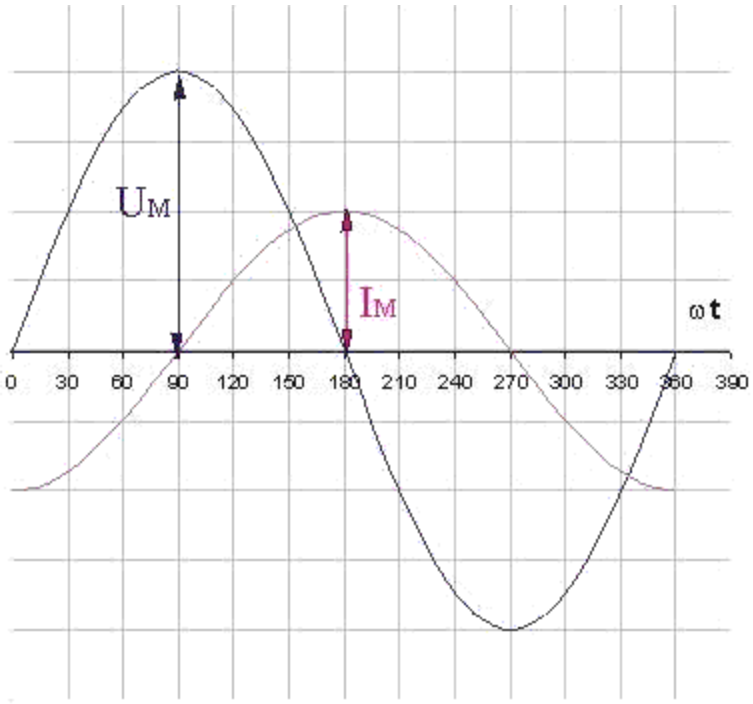
$$u(t)=U_M \cdot sin\omega t$$

$$i(t)=I_M \cdot sin(\omega t - 90°)$$

$$X_L = \omega L$$

$$I_M = \frac{U_M}{X_L} \qquad \omega=2\pi f$$

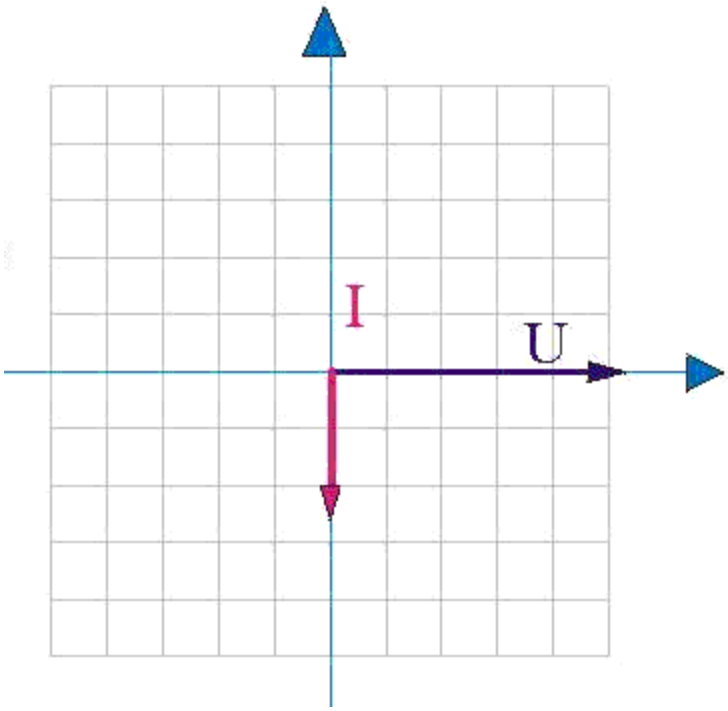




$$\dot{U} = \frac{U_M}{\sqrt{2}} \angle 0$$

$$\dot{I} = \frac{I_M}{\sqrt{2}} \angle -90°$$

$$\dot{U} = jX_L \cdot \dot{I}$$


I
U