



$$u(t) = V \cos \omega t \rightarrow \hat{u} = V e^{j\omega t}$$

\hat{i}_0 ?

~~$\frac{\hat{u}}{Y} = \hat{i}_0$~~

doit d'être
 $u = Zi$

$$\hat{i}_0 = u \cdot Y$$

↳ $\hat{i}_0 = \hat{u} \cdot Y =$ produit de 2 nombres complexes

↳ $|\hat{i}_0| = |u| \cdot |Y|$

↳ $\varphi(\hat{i}_0) = \varphi(u) + \varphi(Y)$

$$i_0 = I_0 e^{j\omega t}$$

↳ $i_0(t) = \dots$