

$$i(t) = -C \cdot V \cdot \omega \quad \text{Sen} (\omega t + \ell)$$

$$-Sen (x)$$

$$= C \omega \left[ -V Sun(-) \right] \quad \text{Gas} (3x)$$

$$= T = C \omega \quad V \quad -3 Sen(3x)$$

$$X_{c} = \frac{1}{\omega C} = \frac{1}{2\pi f C} = \frac{1}{2\pi f C} = \frac{1}{2\pi f C} = \frac{1}{2\pi f C} = \frac{10^{9}}{100 \cdot 10^{-9}} = \frac{10^{9}}{\pi 100} = \frac{10^{5}}{\pi} = \frac{100600}{\pi} \approx 31.3 \text{ kg}$$