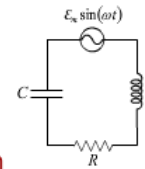
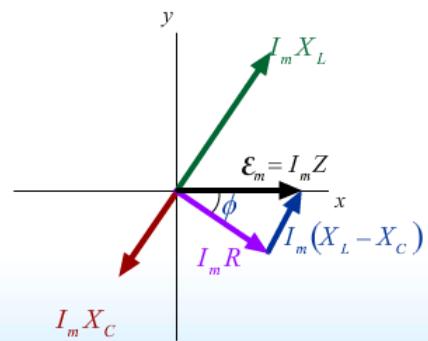


Physics 212

Lecture 21

Voltage Phasor Diagram



Phase Relation

$$\tan \phi = \frac{X_L - X_C}{R}$$

Impedance

$$Z = \sqrt{R^2 + (X_L - X_C)^2}$$

Maximum Current

$$I_m = \frac{\mathcal{E}_m}{Z}$$