

Physics 1214 - General Physics II

Quiz #15 - 2013.02.25

Solutions

1. Explain what important information a phasor diagram depicts.

The length of a vector in a phasor diagram gives the maximum value of I , and the projection of the vector onto the horizontal axis gives the current at a fixed time t based on frequency ω .

2. Inductive/capacitive reactance are measures of an inductor's/capacitor's opposition to a change in what?

Inductive/capacitive reactance are measures of an inductor's/capacitor's opposition to a change in AC current.