

Physics 1214 - General Physics II

Quiz #16 - 2013.02.27

Solutions

1. What relationship must be satisfied for a series $R - L - C$ circuit to experience resonance?

To experience resonance, inductive and capacitive reactances must be equal.

2. What is the difference between current in a series $R - L - C$ circuit and parallel $R - L - C$ circuit at resonance?

In series, current is at a maximum, in parallel, current is at a minimum.