







Resonance

<u>Resonance</u> is a condition that occurs within an R-L-C circuit when the reactive power "consumed" by the inductive elements is equal to the reactive power "produced" by the capacitive elements.

Note – if the reactive powers are equal, then the energy that the inductive elements are absorbing (or releasing) at any point in time will be equal to the energy that the capacitive elements are releasing (or absorbing) at that same instant.

The resonant frequency, f_r , is the source frequency at which resonance occurs.







































