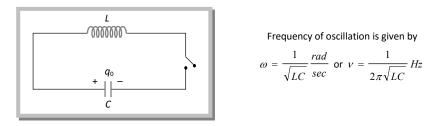
LC Oscillation.

When a charged capacitor C having an initial charge q0 is discharged through an inductance L, the charge and current in the circuit start oscillating simple harmonically. If the resistance of the circuit is zero, no energy is dissipated as heat. We also assume an idealized situation in which energy is not radiated away from the circuit. The total energy associated with the circuit is constant.



The oscillation of the LC circuit are an electromagnetic analog to the mechanical oscillation of a block-spring system.

