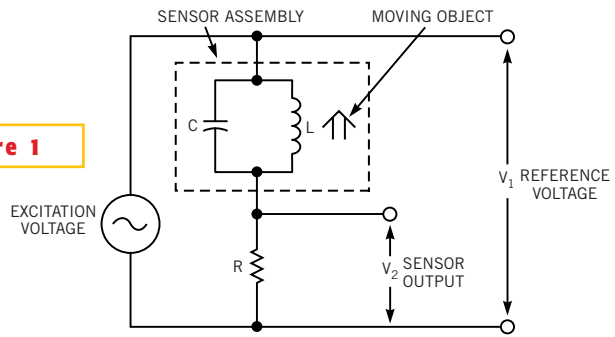


Figure 1



The amplitude and phase of the resonant-circuit sensor's output voltage, V_2 , vary with moving object's position.