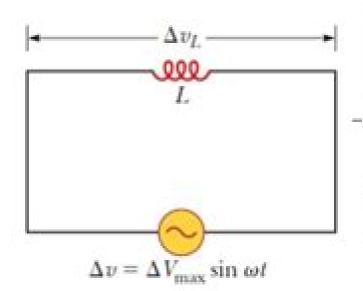
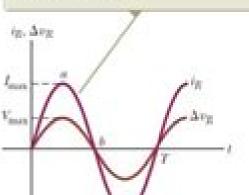
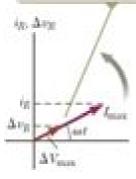
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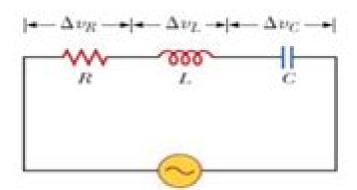


The current and the voltage are in phase: they simultaneously reach their maximum values, their minimum values, and their zero values.



The current and the voltage phasors are in the same direction because the current is in phase with the voltage.





$$\Delta v_R = I_{mon} R \sin \omega t = \Delta V_R \sin \omega t$$

$$\Delta v_{L} = I_{mon} X_{L} \sin(\omega t + \frac{\pi}{2}) = \Delta V_{L} \cos \omega t$$

$$\Delta v_C = I_{m \, ov} \, X_C \sin(\omega x - \frac{\pi}{2}) = -\Delta V_c \cos \omega x$$

# **Alternating Current Circuit Analysis**

**Minjie Lin** 

# **Alternating Current Circuit Analysis:**

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web use a pencil to mark the mounting holes 3 remove the wall plate from the wall and drill two holes in the wall as marked gently tap anchors provided into the drilled holes until flush with the wall 4 position the wall plate over the holes pulling

wires through the wiring opening see fig 5 5

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