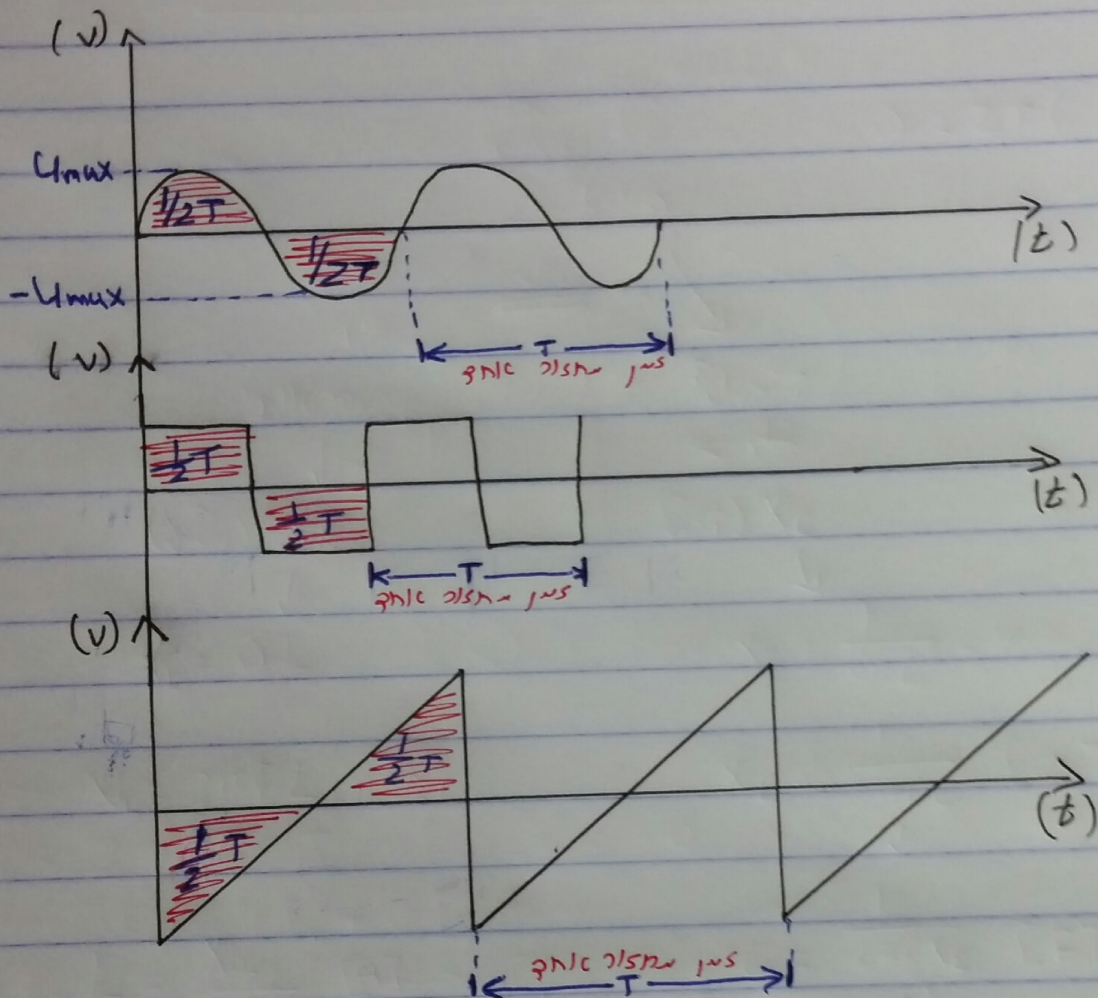


amplitude and phase



$$T = \frac{1}{f} [\text{sec}]$$

$$\omega = 2\pi f = \frac{2\pi}{T} \left\{ \frac{\text{rad}}{\text{sec}} \right\}$$

$$f = \frac{1}{T} [\text{Hz}]$$

max, eff, av

$$U(t) = U_{max} \cdot \sin \omega t$$

max, eff, av

$$U_{eff} = \frac{U_{max}}{\sqrt{2}} \rightarrow U_{max} = U_{eff} \cdot \sqrt{2} \rightarrow U_{av} = \frac{2}{\pi} \cdot U_{max}$$

$$U_{eff} \rightarrow U_{max} \cdot 2$$

$$I_{eff} = \frac{I_{max}}{\sqrt{2}} \rightarrow I_{max} = I_{eff} \cdot \sqrt{2} \rightarrow I_{av} = \frac{2}{\pi} \cdot I_{max}$$