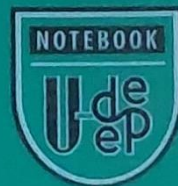


U-DEEP



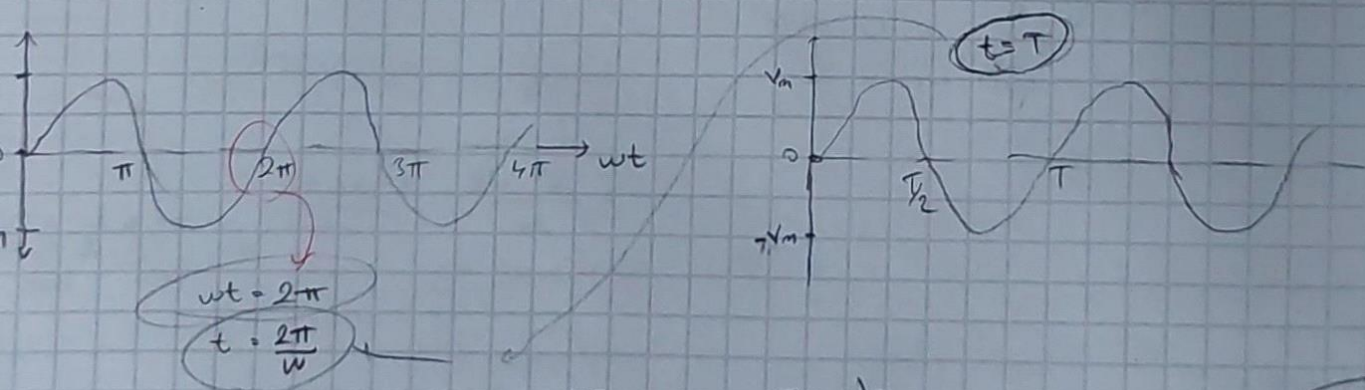
Circuit Theory

	DC	AC
Transportation	X	✓
Frequency	X	✓ ω or f
Direction	tek yön X	genli ✓
Current / voltage	solt	sin, cos kare, üçgen
obtained	Pil batteries	Ac generator
passive parameter	resistor inductor capacitor	impedance / Admittance
Power factor	1	0 - 1
Types		

Thursday 17.10
İsiminiz

Sinusoidal $\rightarrow$ sin, cos

$$v(t) = \underbrace{V_m}_{\text{amplitude}} \underbrace{\sin \omega t}_{\text{sinusoidal function (rad/s)}}$$



$$T = \frac{2\pi}{\omega} \rightarrow T = \frac{1}{f} \rightarrow \text{normal period}$$

ω angular frequency

$$\frac{1}{f} = \frac{2\pi}{\omega}$$

$$\frac{\omega}{f} = 2\pi$$

$$\omega = 2\pi \cdot f$$