

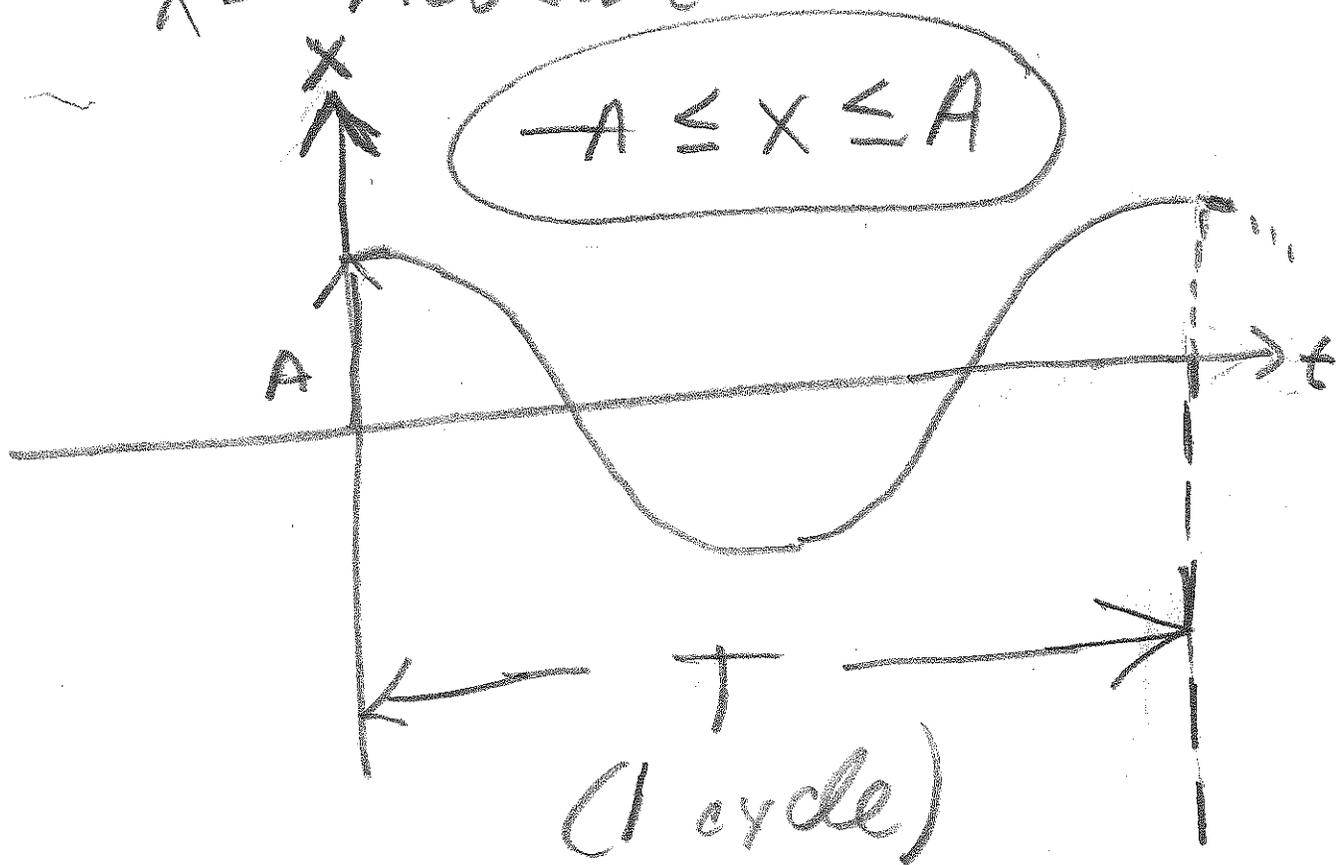
2-3-14
Supplement

X vs t

$$X = A \cos(\omega t + \phi)$$

set $\phi = 0$ for simplicity

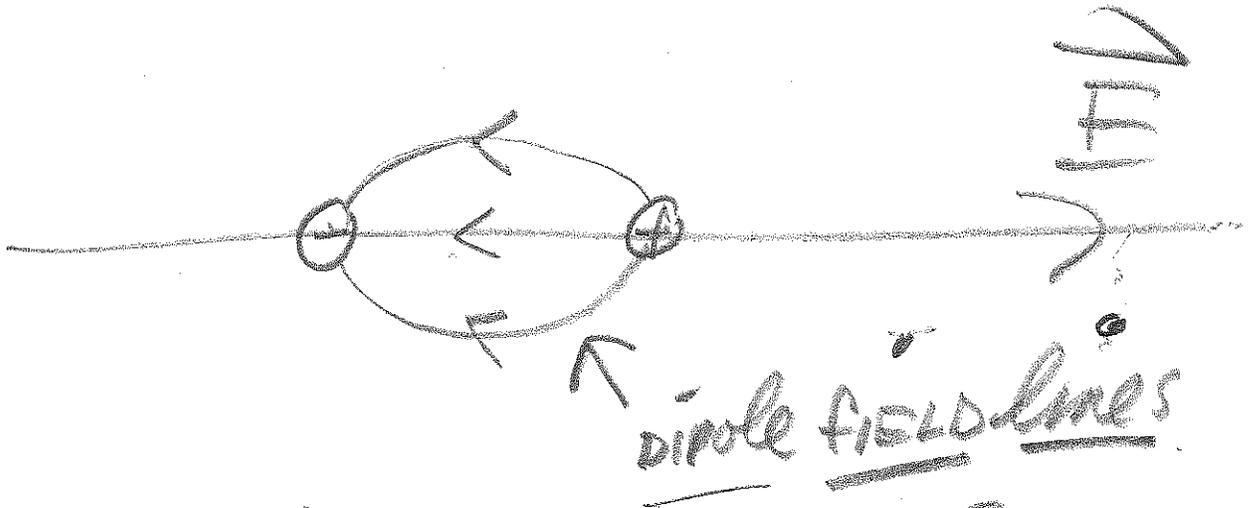
$$X = A \cos \omega t$$



$$T = \frac{1}{f} \text{ and } f = \frac{\omega}{2\pi}$$

supplement

59. (c)



\vec{E} = external
field.