Midtern Review

 $EMF = -\frac{d\Phi}{dt} \Rightarrow always work$ = - (3\bar{B}).d\bar{B} + \bar{B}(\bar{G} \times \bar{B}).d\bar{B} L) transformer Smotional Ly displacement current: $J_{b} = \frac{\partial}{\partial t} \varepsilon_{R} \varepsilon_{0} \tilde{E}$

L> solving Maxwell's egins & boundary conditions

Ly Phasons Es= Ee-jB2 ax

4 UPW > from Space

 \Rightarrow materials \Rightarrow general (1055y \Rightarrow 0 \Rightarrow 0) \Rightarrow 0 \Rightarrow 10 \Rightarrow

· Par > power densty

· polarization > linear, circular telliptical

· Skin depth > S= } L>LH 44

> Ein, Er, Et