9.3 EM wares in matter

Maxuelli ey. in yourd

from Ch 4: 9=9 + 1 9 8

dipole moment per unit volume

Real for Ch 5- JF+ Jg bomb current due to elector spirs we can control

uge (4)

with $\vec{J}_B : \vec{\nabla} \times \vec{M}$ Raynelization $\vec{\nabla} \times \vec{B} = \Lambda \cdot \vec{J} + M \cdot \vec{k} \cdot \frac{3\vec{k}}{4}$

L) can control this one

when E(+) -> P(+) (breathing tipolor)

"IT
$$\sigma_0 = \vec{P} \cdot \hat{A}$$
 $\frac{\partial \vec{I}_{e}}{\partial u} = \vec{J}_{e} = \frac{\partial (\vec{P} \cdot \hat{n})}{\partial u} \frac{\partial u_{e}}{\partial u} = \vec{J}_{e} = \frac{\partial \vec{P}}{\partial u}$

$$|\nabla \cdot \vec{k}| = \frac{1}{3} + \frac{1}{3}$$

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Momelli equations in integral form 2.2 = 28t

u goma take Ato at the car

2. fint the B.C.'s DI, vs. DI,2