

Dielectric & Mag. Mat. Revision

1. Dielectric $\begin{cases} \text{Polar} \\ \text{Nonpolar} \end{cases}$
 $\begin{cases} \text{linear} \\ \text{non-linear} \end{cases}$
Define \vec{P} , polarization vector.
2. Dielectric strength & breakdown
3. Ferroelectric materials & their applications
4. Dia, para, ferro mag materials
Write their properties.
5. Ferrimagnetic & Ferrites & Applications
6. Magnetostriction & Magnetic Anisotropy
7. Hysteresis loop, hard & soft mag materials
8. difference b/w \vec{B} & \vec{H}
9. Define \vec{M} (magnetization vector)
10. $\vec{B} = \mu_0(\vec{H} + \vec{M})$
11. What are domains?
12. dia - electrons are paired
para \rightarrow unpaired e^-
ferro \rightarrow domains