

Answer on Question #59302-Physics-Electromagnetism

The polarization of a dielectric material and the internal depolarizing field when it placed in an external field are

Answer

The polarization of a dielectric material and the internal depolarizing field when it placed in an external field are directed opposite to each other:

$$\bar{E}_{int} = -\frac{1}{3\epsilon_0} \bar{P}.$$

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