Polarisation, magnetisation and material fields

GRE Subject Test · GRE Physics · Vocabulary in context

Word	Example
permittivity /ˌpɜːmɪˈtɪvəti/	Water has a high **permittivity**.
dielectric /ˌdaɪɪˈlektrɪk/	A **dielectric** between the plates raises the capacitance.
polarisation /ˌpəʊlərəraɪˈzeɪʃn/	**Polarisation** lines up the molecules' dipoles with the field.
bound charge	**Bound charge** appears on the surface of a polarised material.
magnetisation /ˌmægnɪtaɪˈzeɪʃn/	The material's **magnetisation** changes its internal magnetic field.
susceptibility	A material's **susceptibility** shows how easily it is magnetised.
hysteresis	**Hysteresis** means the magnetisation depends on past fields.

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