

SPH 202 - ELECTRICITY AND MAGNETISM II

Gauss's law and applications. Dielectrics. Magnetics. Magnetic field and forces. Circulating charges. Electromagnetic induction. A.C. Theory. Filters. Transients. Transmission lines. Electric and Magnetic vectors. Lorentz force. Energy of the Electric and magnetic fields. The magnetizing field. Magnetic susceptibility and permeability.