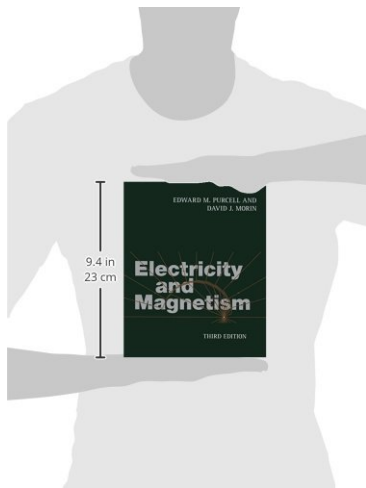


[PDF] Electricity And Magnetism

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Electricity and Magnetism (last updated: 2020 April 17). Chapter 1. Electric Fields. 1.1. Force on a Dipole in an Inhomogeneous Electric Field. 3.6. Induced Dipoles and Polarizability. 3.7. The Simple Dipole. Within electricity and magnetism attempts at theoretical unification were conceived in terms of either gravitational-type forces acting at a distance, as with Ampère, or, with Faraday, in terms of lines of force and the ambient medium in which they were thought to travel. Electricity and Magnetism For 50 years, Edward M. Purcell's classic textbook has introduced students to the world of electricity and magnetism. This third edition has been brought up to date and is now in SI units. It features hundreds of new examples, problems, and figures, and contains discussions of real-life applications. The textbook covers all the standard introductory topics, such as electrostatics, magnetism, circuits, electromagnetic waves, and electric and magnetic fields in matter.