

Chapter 6 TOC

- 6. Magnetic Fields in Matter
 - 6.1 Magnetization
 - 6.1.1 Diamagnets, Paramagnets, Ferromagnets
 - 6.1.2 Torques and Forces on Magnetic Dipoles
 - 6.1.3 Effect of a Magnetic Field on Atomic Orbits
 - 6.1.4 Magnetization
 - 6.2 The Field of a Magnetized Object
 - 6.2.1 Bound Currents
 - 6.2.2 Physical Interpretation of Bound Currents
 - 6.2.3 The Magnetic Field Inside Matter
 - 6.3 The Auxiliary Field H
 - 6.3.1 Ampere's law in Magnetized Materials
 - 6.3.2 A Deceptive Parallel
 - 6.3.3 Boundary Conditions
 - 6.4 Linear and Nonlinear Media
 - 6.4.1 Magnetic Susceptibility and permeability
 - 6.4.2 Ferromagnetism