

Download Physics Practical Notes

Practical Physics. Experiments sharpen students' powers of observation, stimulate questions, and help develop new understanding and vocabulary. Practical Physics will help all teachers of physics to share their skills and experience of making experiments work in the classroom.

zur Vorbereitung zum Physikstudium : B3 alpha centauri---BR3: Mathematical preparation course before Studying Physics Hefft: 2006: Heidelberg: Mathematischer Vorkurs zum Studium der Physik

Class practical Using a current-carrying coil of wire to make a permanent magnet from a steel rod. Apparatus and materials For each student group Copper wire, PVC-covered, 150 cm with bare ends Iron filings Rod, hard steel Tintacks or paper clips, supply of De-magnetizing coil (300 turns or 2400 turns) Transformer or low-voltage AC supply

Mathematical Physics Lecture Notes. This note covers the following topics: Prologue, Free Fall and Harmonic Oscillators, ODEs and SHM, Linear Algebra, Harmonics - Fourier Series, Function Spaces, Complex Representations, Transform Techniques, Vector Analysis and EM Waves, Oscillations in Higher Dimensions.