

# Download Statistical Physics Lecture Notes

zur Vorbereitung zum Physikstudium : B3 alpha centauri----BR3: Mathematical preparation course before Studying Physics Hefft: 2006: Heidelberg: Mathematischer Vorkurs zum Studium der Physik Statistical physics is a branch of physics that uses methods of probability theory and statistics, and particularly the mathematical tools for dealing with large populations and approximations, in solving physical problems. Recommended Books and Resources Reif, Fundamentals of Statistical and Thermal Physics A comprehensive and detailed account of the subject. It's solid. 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.