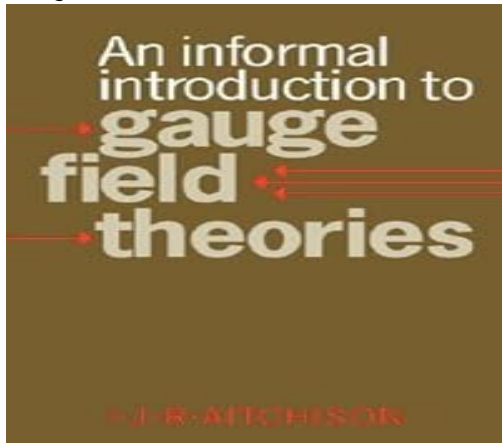


An Informal Introduction to Gauge Field Theories By I.J.R. Aitchison Quantum electrodynamics - the highly successful theory of the electromagnetic interaction - is a gauge field theory and it is now believed that the weak and strong forces also can be described by generalizations of this type of theory. With the assumption that the reader is already familiar with the rudiments of quantum field theory and Feynman graphs his aim has been to provide a coherent self-contained and yet elementary account of the theoretical principles and physical ideas behind gauge field theories:

Ian Johnston Rhind Aitchison



Four forces are dominant in physics: gravity electromagnetism and the weak and strong nuclear forces, In this short book Dr Aitchison gives an introduction to these theories a knowledge of which is essential in understanding modern particle physics. An Informal Introduction to Gauge Field Theories.