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This book presents a phenomenological approach to the field of solid state magnetism. After introducing the basic concepts from statistical thermodynamics and electronic structure theory, the first part discusses the standard models for localized moments (Weiss, Heisenberg) and delocalized moments (Stoner). The present book does not attempt to cover the whole field of solid state magnetism, but tries to provide an overview by selecting special topics. The idea is to create an interest in this fascinating field in which quantum mechanics, thermodynamics and computer simulations join forces to explain "Magnetism in the Solid State". magnetism in the solid state Download magnetism in the solid state or read online here in PDF or EPUB. Please click button to get magnetism in the solid state book now. All books are in clear copy here, and all files are secure so don't worry about it. This site is like a library, you could find million book here by using search box in the widget. Preface The Lecture on "Magnetism I: from the Atom to the solid state" is an introduction to the fundamental concepts in magnetism. It consists of two parts: