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Nota di contenuto	1. Introduction -- 2.Sc-M-B Ternary Compounds -- 3.R-Ti-B and Ti-M-B Compounds -- 4.R-V-B Compounds -- 5.R-Cr-B Compounds -- 6.R-Mn-B Compounds -- 7.R-Fe-B Compounds -- 8.R-Co-B Compounds -- 9. R-Ni-B Compounds.
Sommario/riassunto	This book presents advances in the field of rare-earth (R) – transition metal (M) – boron compounds with extensive references. Since titanium and scandium do not form compounds with rare-earths, the Sc/Ti-M-B series are additionally presented. In each chapter the crystal structures, the complex physical properties as determined from neutron diffraction, magnetic measurements, resonance studies, transport properties and band structure calculations are critical analyzed. The

models used in describing the experimental evidence are also presented. Tables with the main properties of the R-M-B compounds are given and representative data are illustrated in figures. In this way, the book provides state-of-the art knowledge and a valuable analysis of up-to-date results in the field. The technical applications, as permanent magnets, thermoelectric and magnetocaloric devices, hydrogen storage are also highlighted along with the authors insights into future directions in the field. The book is of interest for scientists involved in the development of the field as well as those working in the technical uses of rare-earth compounds.
