

图书基本信息

书名：<<磁性半导体中的巨大磁致电阻及相分离COLOSSAL MAGNETORESISTANCE AND PHASE SEPARATION IN MAGNETIC SEMICONDUCTORS>>

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内容概要

Colossal magnetoresistance materials, to which manganites and conventional ferromagnetic semiconductors belong, draw great attention because of their intriguing physical properties and the excellent prospects for their practical applications in electronic devices. In addition, magnetic semiconductors are basic materials for high-temperature conductors, and it is impossible to construct a theory of the latter without elucidating properties of the former. This book presents theoretical and experimental results on manganites and conventional magnetic semiconductors, with emphasis on the former. It is addressed mainly to researchers dealing with manganites or high-temperature superconductors, but is also useful for undergraduate and graduate students.

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