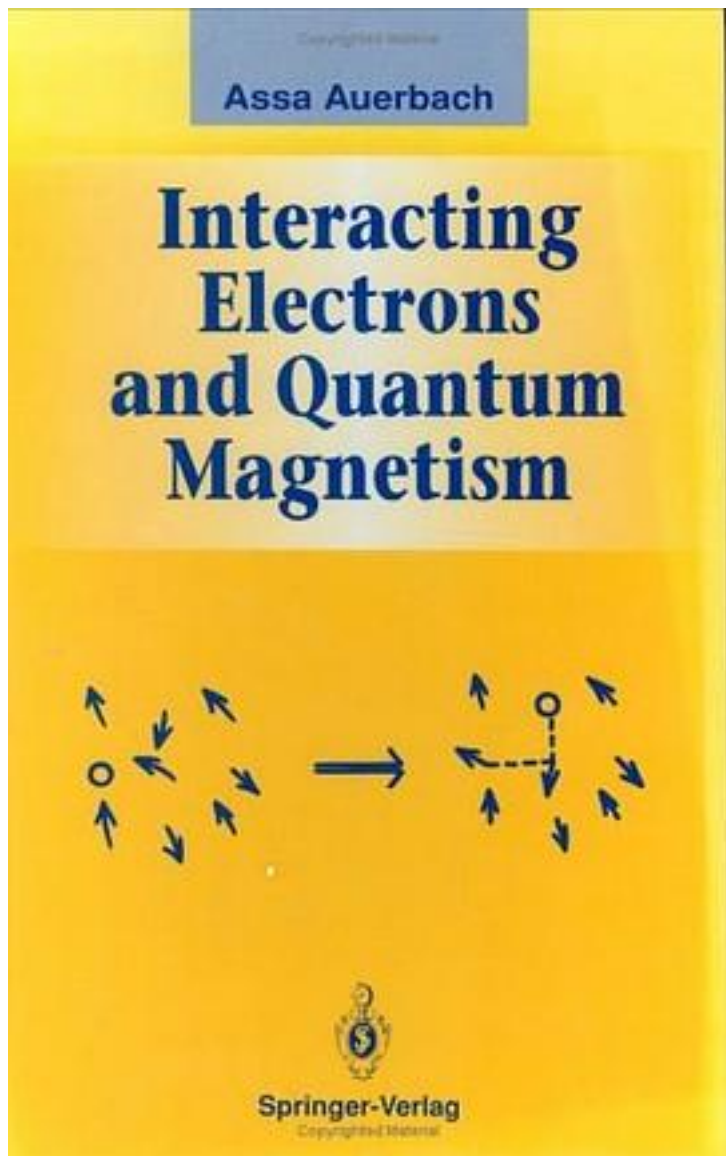


Interacting Electrons and Quantum Magnetism (Graduate Texts in Contemporary Physics)



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出版者:Springer

出版时间:1998-09-11

装帧:Hardcover

isbn:9780387942865

This book emphasizes the role that electron interactions play in the properties of condensed matter. It teaches the use of the powerful nonperturbative techniques that have become available in the last decades to discuss such topics as mixed valence systems, Kondo systems, heavy electrons, high-temperature copper oxide superconductors, the quantum Hall effect, and low-dimensional isotropic magnets. Mathematical derivations are self contained. Appendices provide standard many-body tools including second quantization, Grassmann variables, generating functionals, linear response, correlation functions, Fermi and Bose coherent-states path integrals, Matsubara representation, and the method of steepest descents. There are guided bibliographies and exercises at the end of each chapter.

作者介绍:

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quantum

评论

不是很容易follow，不过做量子磁性的都得参考这本书，方法上很全

主题鲜明，每个章节讲解都很清晰不累赘

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