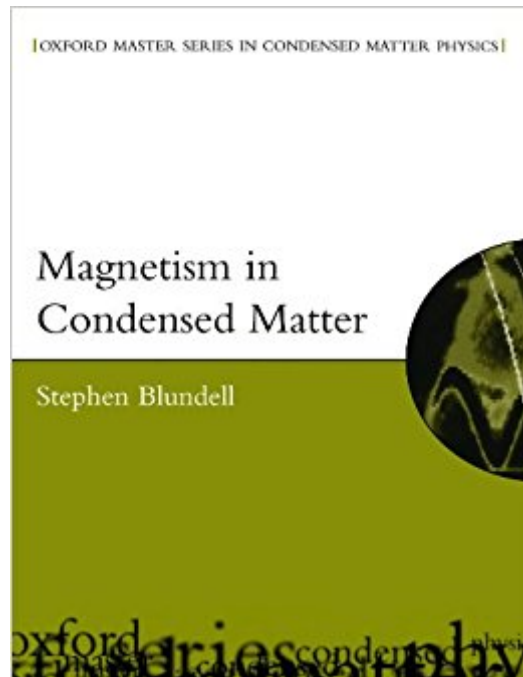




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Magnetism In Condensed Matter (Oxford Master Series In Physics)



Synopsis

The superb book describes the modern theory of the magnetic properties of solids. Starting from fundamental principles, this copiously illustrated volume outlines the theory of magnetic behaviour, describes experimental techniques, and discusses current research topics. The book is intended for final year undergraduate students and graduate students in the physical sciences. To request a copy of the Solutions Manual, visit: <http://global.oup.com/uk/academic/physics/admin/solutions>

Book Information

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Customer Reviews

"Written for undergraduates who have knowledge of basic quantum mechanics, electromagnetism, and some atomic physics, this clearly organized text introduces magnetism in condensed matter systems. The chapters are laid out with tables, annotation, and some of the figures incorporated into the wide outside margins. Lists of reading and exercises conclude each chapter but the last, which is devoted to new topics and unanswered problems in the field."--SciTech Book News

Dr Stephen Blundell, University of Oxford, Department of Physics, Clarendon Laboratory, Parks Road, Oxford OX1 3PU, Tel.: 01865/272347, Fax: 01865/272400, Email: s.blundell@physics.ox.ac.uk

Good text for beginner's. I believe you need to read a text by JMD Coey and B D Nullity to complement with it. Start with this text and follow up with the other two. I believe first is designed for

science majors and second for engineers.

Very clear. That is the most important thing. You cannot read and not understand, you WILL understand! It is a very nice book. My only concern is that it is too short and sometimes the treatment is too superficial (e.g. magnetic interactions).

Great book, recommended!

This is a very nice book for someone new to the field, or for someone who wants to get a broad overview of some of the newer topics in magnetism. I do wish it had more of an emphasis on statistical mechanics though, since that's absolutely critical for really understanding magnetic behavior.

Was what my son was looking for

Thank you

This book is an easy to read overview of the subject. It's a good book to review the fundamentals (para/dia/ferro/anti magnetism, exchange interaction, etc.). I gave it 4 stars instead of 5 because the price is a bit high, and sometimes the treatments lacks depth.

This is a great book, it combines classical and quantum approaches side by side making it a comprehensive and accessible read.

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