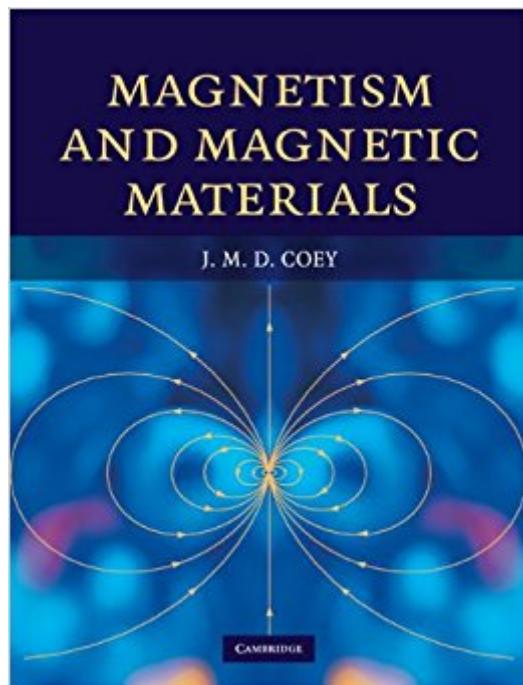


The book was found

# Magnetism And Magnetic Materials



## Synopsis

Covering basic physical concepts, experimental methods, and applications, this book is an indispensable text on the fascinating science of magnetism, and an invaluable source of practical reference data. Accessible, authoritative, and assuming undergraduate familiarity with quantum mechanics, electromagnetism and vectors, this textbook can be used on graduate courses. Emphasis is placed on practical calculations and numerical magnitudes - from nanoscale to astronomical scale - with a focus on modern manifestations, including spin electronic devices. Each self-contained chapter begins with a summary, and ends with exercises and further reading. The book is thoroughly illustrated with over 600 figures to help convey concepts and clearly explain ideas. Easily digestible tables and data sheets provide a wealth of useful information on magnetic materials, and 38 principal magnetic materials, and many more related compounds, are treated in detail.

## Book Information

Hardcover: 625 pages

Publisher: Cambridge University Press; 1 edition (April 26, 2010)

Language: English

ISBN-10: 0521816149

ISBN-13: 978-0521816144

Product Dimensions: 7.4 x 1.1 x 9.7 inches

Shipping Weight: 3.3 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 4 customer reviews

Best Sellers Rank: #870,212 in Books (See Top 100 in Books) #93 in Books > Science & Math > Physics > Electromagnetism > Magnetism #300 in Books > Science & Math > Physics > Solid-State Physics #2595 in Books > Textbooks > Science & Mathematics > Physics

## Customer Reviews

A wide-ranging text covering basic physical concepts, experimental methods and applications in an attractive format. Illustrated with over 600 figures, helpful tables and data sheets, it treats 38 principal magnetic materials in detail. This is an ideal textbook for graduates and for anyone with a professional interest in magnetism.

J. M. D. Coey leads the Magnetism and Spin Electronics group at Trinity College, Dublin, where he is Erasmus Smith's Professor of Natural and Experimental Philosophy. An authority on magnetism

and its applications, he has been awarded the Gold Medal of the Royal Irish Academy and the Charles Chree Medal of the Institute of Physics for his work on magnetic materials.

bought it for work, cant comment on the book it was not for me, great customer service

Super textbook.

I just got this book and have not get chance to read it carefully. I would like to talk about my first impression:1. Very up-to-date topics can be found here, such as introduction to domain wall logic, Datta-Das transistor and spin-hall effect.2. Very informative figures and pictures! I know everyone knows how Fert and GrÃ¶nberg look, but it is very nice to see a real photo of Wohlfarth- yes, the guy in the stoner-wohlfarth particle.3. The contents well suit experimentalists. If you get bored with Chikazumi , this book will fresh you up. That's it. I will read it and tell you more later.

This book covers a broad spectrum of stuff relating to the phenomenon we recognize as magnetism/electromagnetism. It will be very useful to students or anyone else who wants to know about magnets/magnetic materials. I also recommend A Magnetism: A Strange, Invisible, Strong Force that's Calling all the Shots A which is short essay that serves as a gentle introduction to magnetism.

[Download to continue reading...](#)

Magnetism and Magnetic Materials Seashells i-Clip Magnetic Page Markers (Set of 8 Magnetic Bookmarks) Electronic, Magnetic, and Optical Materials, Second Edition (Advanced Materials and Technologies) Modern Magnetic Materials: Principles and Applications Handbook of Magnetic Materials, Volume 16 (Vol. 16) Introduction to Magnetic Materials Engineering Materials 3: Materials Failure Analysis: Case Studies and Design Implications (International Series on Materials Science and Technology) (v. 3) Understanding Physics (Motion, Sound, and Heat / Light, Magnetism, and Electricity / The Electron, Proton, and Neutron) Electricity and Magnetism, Grades 6 - 12: Static Electricity, Current Electricity, and Magnets (Expanding Science Skills Series) Physics for Scientists and Engineers: Vol. 2: Electricity and Magnetism, Light (Physics, for Scientists & Engineers, Chapters 22-35) Pyramid science and the unified field: a series of papers on magnetism, bioelectricity and electricity Electricity And Magnetism (Reading Essentials in Science) Electricity and Magnetism (Usborne Understand Science) The Charisma Myth: How Anyone Can Master the Art and Science of Personal Magnetism A Project Guide to Electricity and Magnetism (Physical

Science Projects for Kids) The Theory of Magnetism Made Simple: An Introduction to Physical Concepts and to Some Useful mathematical methods Electricity and Magnetism Essential Calculus-based Physics Study Guide Workbook: Electricity and Magnetism (Learn Physics with Calculus Step-by-Step Book 2) RealTime Physics Active Learning Laboratories, Module 3: Electricity and Magnetism Electricity And Magnetism: Stop Faking It! Finally Understanding Science So You Can Teach It

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)