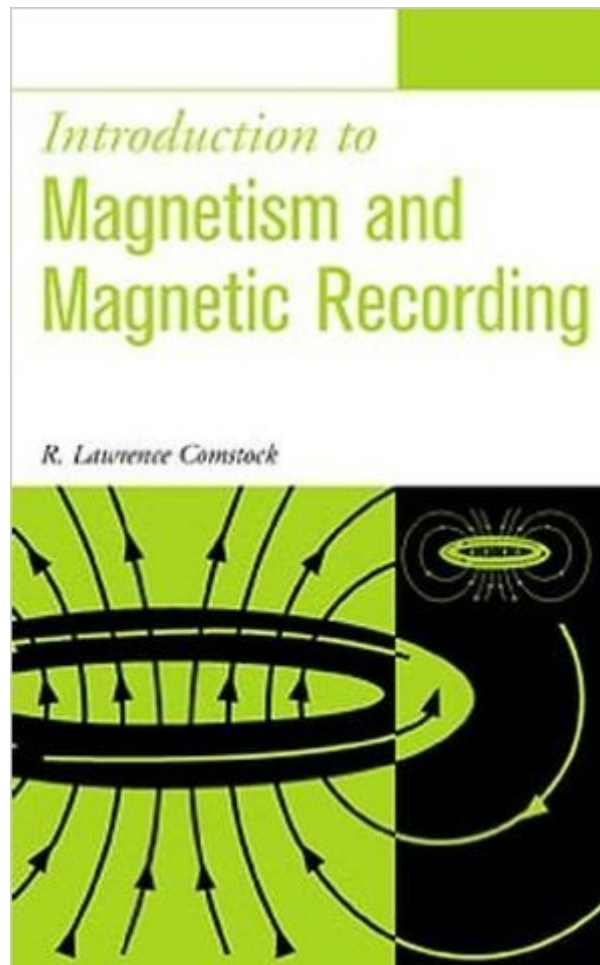


The book was found

Introduction To Magnetism And Magnetic Recording (A Wiley-Interscience Publication)



Synopsis

A comprehensive, easy-to-use guide to the fundamentals and applications of magnetism. As magnetic recording technology continues to evolve at a rapid pace—in digital data storage as well as video and audio applications—there is a growing need for a basic primer to help explain advances in the field. Written by industry expert R. Lawrence Comstock, this immensely useful guide combines an introductory treatment of the physics and material science of magnetism with clear, thorough, up-to-date coverage of magnetic recording systems and their components. From basic magnetic properties to the fabrication of magnetic materials to the magnetic recording process, Dr. Comstock examines in detail both theory and applications, reinforces concepts with real-world data, and provides insight into new and emerging technologies. Key topics include:

- * The ferromagnetism of the transition metals
- * Properties of ferromagnetic thin films
- * The state of the art of digital magnetic recording technology
- * Magnetic recording heads, including magnetoresistive and giant magnetoresistive heads
- * Recording media in disk drive technology

An indispensable resource for engineers and scientists working on the development and manufacturing of magnetic recording technologies, *Introduction to Magnetism and Magnetic Recording* also features extensive tables of the properties of magnetic materials, 30 photographs, and more than 200 graphs. Dr. Comstock retired as a senior technical staff member from IBM after more than two decades of service. He was a Vice President of Advanced Technology at Maxtor Corporation for three years.

Book Information

Series: A Wiley-Interscience Publication

Hardcover: 487 pages

Publisher: Wiley-Interscience; 1 edition (October 5, 1999)

Language: English

ISBN-10: 0471317144

ISBN-13: 978-0471317142

Product Dimensions: 6.4 x 1.4 x 9.5 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,744,261 in Books (See Top 100 in Books) #61 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Solid State #944 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Acoustics #1341 in Books > Science & Math > Physics > Acoustics & Sound

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

Introduction to Magnetism and Magnetic Recording (A Wiley-Interscience Publication) Mathematical Journeys (Wiley-Interscience Publication) Introduction to Logistics Systems Planning and Control (Wiley Interscience Series in Systems and Optimization) Introduction to Magnetism and Magnetic Materials, Third Edition Environmental Engineering and Sanitation (Environmental Science and Technology: A Wiley-Interscience Series of Texts and Monographs) Mixing, Recording, and Producing Techniques of the Pros: Insights on Recording Audio for Music, Video, Film, and Games Bibliography of Magnetic Materials and Tabulation of Magnetic Transition Temperatures (Solid State Physics Literature Guides) Underground Gas Storage: Worldwide Experiences and Future Development in the UK and Europe - Special Publication no 313 (Geological Society Special Publication) The Wiley-Blackwell Companion to Zoroastrianism (Wiley Blackwell Companions to Religion) Organic Light-Emitting Transistors: Towards the Next Generation Display Technology (A Wiley-Science Wise Co-Publication) Publication Manual of the American Psychological Association (Publication Manual of the American Psychological Association (Spiral) 6th (sixth) edition Introduction to Professional Recording Techniques (Audio Library) Introduction to Magnetic Materials Magnetic Isotope Effect in Radical Reactions: An Introduction Introduction to Magnetic Resonance Magnetism and Synchrotron Radiation: Towards the Fourth Generation Light Sources: Proceedings of the 6th International School "Synchrotron Radiation ... 2012 (Springer Proceedings in Physics) Electrodynamics: The Field-Free Approach: Electrostatics, Magnetism, Induction, Relativity and Field Theory (Undergraduate Lecture Notes in Physics) The Ark of Mathematics Part 5: Vector Calculus Electricity And Magnetism Electricity and Magnetism Spin Fluctuations in Itinerant Electron Magnetism (Springer Series in Solid-State Sciences)

[Dmca](#)