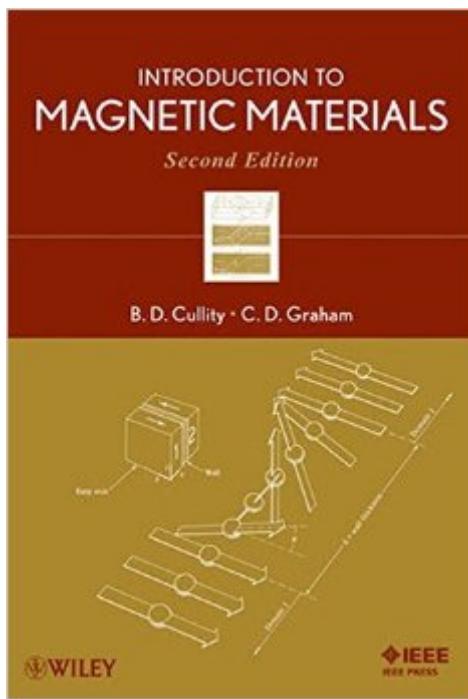


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# Introduction To Magnetic Materials



## Synopsis

Introduction to Magnetic Materials, 2nd Edition covers the basics of magnetic quantities, magnetic devices, and materials used in practice. While retaining much of the original, this revision now covers SQUID and alternating gradient magnetometers, magnetic force microscope, Kerr effect, amorphous alloys, rare-earth magnets, SI Units alongside cgs units, and other up-to-date topics. In addition, the authors have added an entirely new chapter on information materials. The text presents materials at the practical rather than theoretical level, allowing for a physical, quantitative, measurement-based understanding of magnetism among readers, be they professional engineers or graduate-level students.

## Book Information

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Average Customer Review: 4.6 out of 5 starsÂ  See all reviewsÂ (8 customer reviews)

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## Customer Reviews

What a find! The text is addressed towards a broad audience and assumes only first-year (freshman) physics as a prerequisite. Beginning with a welcome review of basic definitions, it moves smoothly into all the core topics of magnetism. The explanations are clear and the derivations are carefully worked out. End-of-chapter problems are provided. Particularly interesting were the chapter on experimental methods and the most straightforward discussion on units I have yet seen (units in magnetism are notoriously confusing). Although published in the 70's, the book still has value if you want to learn the fundamentals. I literally couldn't put the book down after I got started, and before I knew it, I had learned so much reading most of it over the weekend....

Very fast shipping.Good text for beginners .enhances your knowledge of magnetism .a must have text for a condensed matter physicists.

Cullity has written a good reference text on general magnetic materials, but I do not think this should be used as an introductory text. The revisions make this a much improved text compared to the last edition, with numerous new figures, sections, and updates. However, I find that Cullity's approach, which is very technique-centered, is somewhat for the beginner to understand. That said, this is a good reference when choosing characterization techniques.

A solutions manual is now available to bona fide instructors. Contact [ieeeproposals@wiley.com](mailto:ieeeproposals@wiley.com)

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