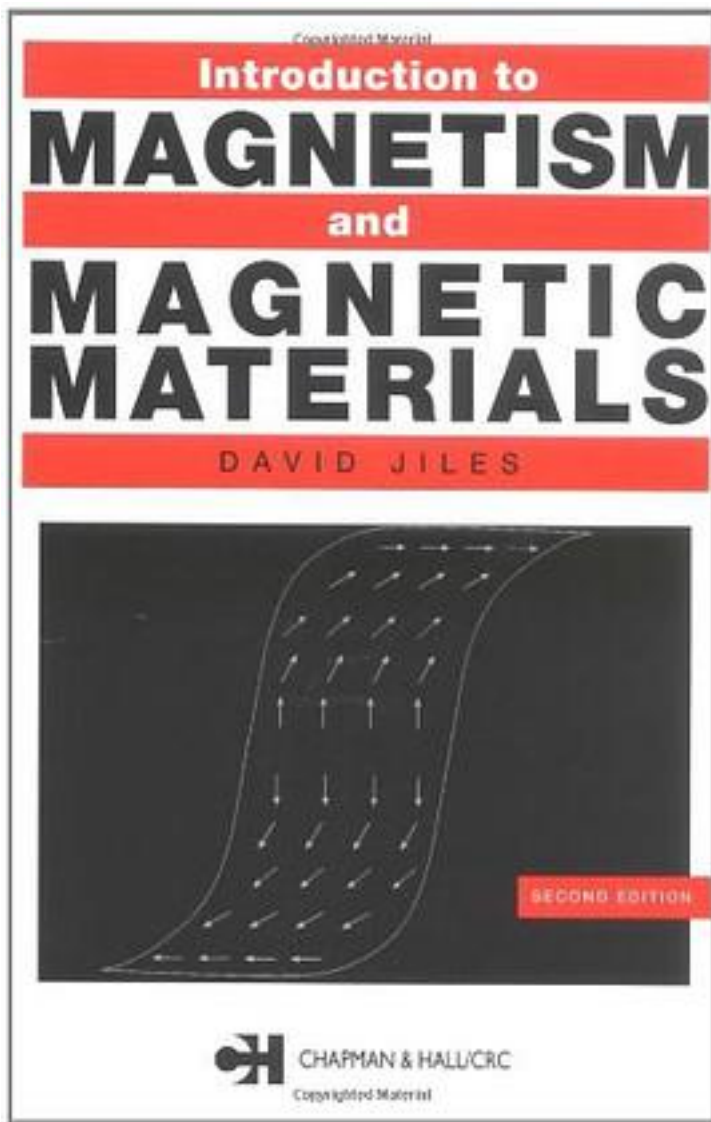


Introduction to Magnetism and Magnetic Materials



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Few subjects in science are more difficult to understand than magnetism, according to Encyclopedia Britannica. However, there is a strong demand today for scientists and engineers with skills in magnetism because of the growing number of technological applications utilizing this phenomenon. This textbook responds to the need for a comprehensive introduction of the basic concepts of the science. Introduction to Magnetism and Magnetic Materials has been thoroughly revised since the first edition to include recent developments in the field. The early chapters comprise a discussion of the fundamentals of magnetism. These chapters include more than 60 sample problems with complete solutions to reinforce learning. The later chapters review the most significant recent developments in four important areas of magnetism: hard and soft magnetic materials, magnetic recording, and magnetic evaluation of materials. These later chapters also provide a survey of the most important areas of magnetic materials for practical applications. Extensive references to the principal publications in magnetism are listed at the end of each chapter, which offer the reader rapid access to more specialized literature. Students in various scientific areas will benefit from this book, including those in physics, materials science, metallurgy, and electrical engineering.

作者介绍:

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