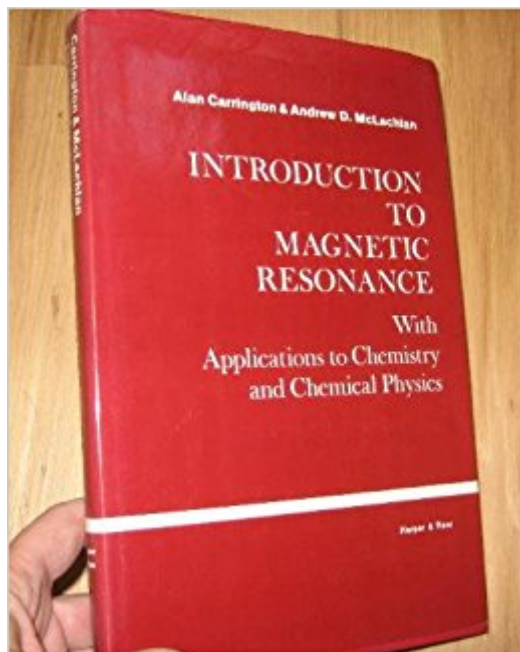


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Introduction To Magnetic Resonance



Synopsis

Intended as an introduction to magnetic resonance, but equally useful for physics majors, this book is designed primarily for first-year chemistry graduate students and advanced senior undergraduates. The chief claim is to present, in a clear and concise manner, the most important principles and applications of the two kinds of magnetic resonance: nuclear magnetic resonance (N.M.R.) and electron spin resonance (E.S.R.), both of which depend upon the same fundamental principles. The first text to treat both topics in a single volume, Introduction to Magnetic Resonance also contains the first up-to-date account of triplet state E.S.R. work. Difficult points are not evaded; theory is presented simply. Some knowledge of quantum mechanics and matrix algebra is presupposed; the mathematics is kept as simple as possible. Methods are illustrated with key examples from current research. A well-balanced and coherent account of the subject.

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Customer Reviews

Intended as an introduction to magnetic resonance, but equally useful for physics majors, this book is designed primarily for first-year chemistry graduate students and advanced senior undergraduates. The chief claim is to present, in a clear and concise manner, the most important principles and applications of the two kinds of magnetic resonance: nuclear magnetic resonance (N.M.R.) and electron spin resonance (E.S.R.), both of which depend upon the same fundamental principles. The first text to treat both topics in a single volume, Introduction to Magnetic Resonance also contains the first up-to-date account of triplet state E.S.R. work. Difficult points are not evaded; theory is presented simply. Some knowledge of quantum mechanics and matrix algebra is presupposed; the mathematics is kept as simple as possible. Methods are illustrated with key

examples from current research. A well-balanced and coherent account of the subject.

This is a magnetic resonance text that has been out of print for many years. I have always liked the approach used by the authors and find that it still challenges students at the first-year graduate level. This particular copy is from the first printing back in the late 1960's. The binding is in excellent condition. The previous owner(s) have written most of their notes in the book using ink and it is annoying at times, but still very readable. I'm happy with this purchase.

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