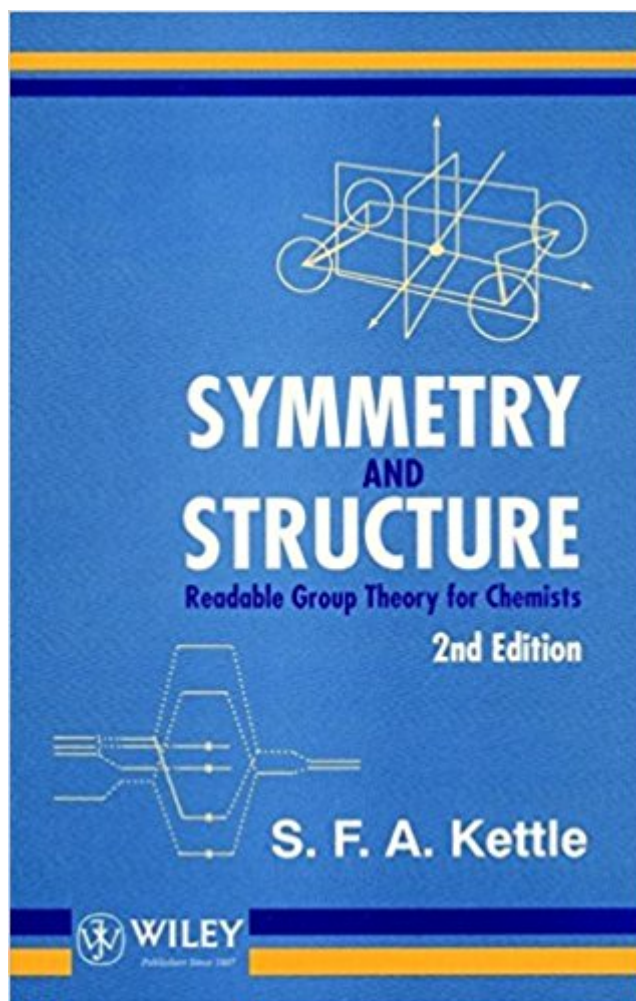


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# Symmetry And Structure



## Synopsis

This revised and updated edition emphasizes the physical concepts and applications of group theory rather than complex mathematics. User-friendly, it offers a simple approach to space groups, answering many frequently asked questions in detail. Features a new chapter on solid state, scores of diagrams and problems and more questions and answers. Mathematical proofs are included in the appendices.

## Book Information

Paperback: 416 pages

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Average Customer Review: 4.0 out of 5 stars 2 customer reviews

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## Customer Reviews

"I like this book. I'll use it next time around." (Journal of Chemical Education, July 2010)

This second edition of *Symmetry and Structure* builds on the foundation of the first edition and turns the complex and potentially difficult subject of group theory into an enjoyable and readable account of this major area of chemistry. By using a highly diagrammatical approach and demonstrating the physical principles involved in understanding group theory, *Symmetry and Structure* provides a non-mathematical, yet thorough, treatment of this broad topic. *Symmetry and Structure*: \* presents all aspects of group theory of relevance to chemists \* contains a large number of diagrams and tables for ease of reading \* takes a non-mathematical approach \* includes additional chapters on space groups \* provides all the relevant mathematics in the appendices \* contains problems and summaries in each chapter \* gives detailed answers to the frequently asked questions The clear diagrams and non-mathematical approach to group theory ensure that *Symmetry and Structure* will be a highly readable and important text for both students and lecturers in chemistry, biology and

biochemistry. Comments on the First Edition '...the presentation of the topic is logical and the style of writing is extremely lucid. The book can be strongly recommended to both students and their teachers'-Journal of Molecular Structure '...the book is likely to be a great success'-Chemistry in Britain '...well written and well produced introductory text ... can be recommended to students first encountering this subject'-International Reviews in Physical Chemistry

In this text, Dr. Kettle presents the most lucid introduction available for students wishing to attain an understanding of Group Theory for chemical applications. The text is not overly mathematical in its presentation, setting it apart from the numerous other texts available on this subject. After having read this text, a student is amply able to understand discussions of group theory with respect to spectroscopy or otherwise.

Okay so Davison's is out of print but it's so much better (and called Group Theory For Chemists)! This book is a bit badly laid out, doesn't explain things very well and is pretty much useless unless you already have at least a simple grasp of Group Theory. I don't know what awful libraries you lot in Cleveland have but this is certainly not a particularly good book.

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