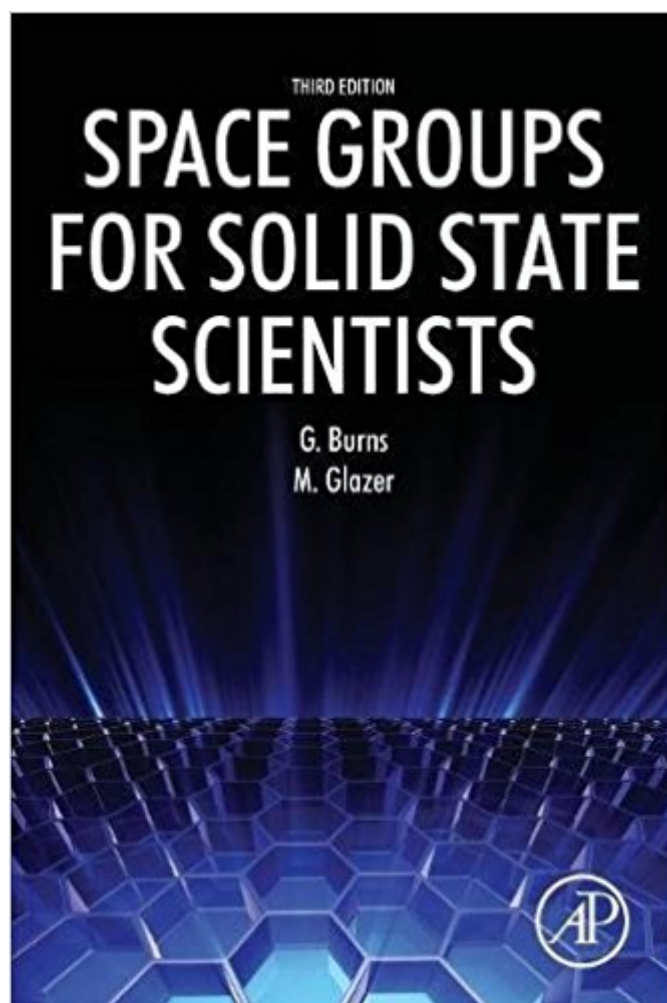


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Space Groups For Solid State Scientists, Third Edition



Synopsis

This comprehensively revised “essentially rewritten” new edition of the 1990 edition (described as "extremely useful" by MATHEMATICAL REVIEWS and as "understandable and comprehensive" by Scitech) guides readers through the dense array of mathematical information in the International Tables Volume A. Thus, most scientists seeking to understand a crystal structure publication can do this from this book without necessarily having to consult the International Tables themselves. This remains the only book aimed at non-crystallographers devoted to teaching them about crystallographic space groups. Reflecting the bewildering array of recent changes to the International Tables, this new edition brings the standard of science well up-to-date, reorganizes the logical order of chapters, improves diagrams and presents clearer explanations to aid understanding. Clarifies, condenses and simplifies the meaning of the deeply written, complete Tables of Crystallography into manageable chunks. Provides a detailed, multi-factor, interdisciplinary explanation of how to use the International Tables for a number of possible, hitherto unexplored uses. Presents essential knowledge to those needing the necessary but missing pedagogical support and detailed advice “useful for instance in symmetry of domain walls in solids

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Customer Reviews

Praise for First Edition"Space Groups for Solid State Scientists fills a definite need and fills it well....The book is clearly written, in a very readable style. It is lavishly illustrated and well printed. It

contains many examples to illustrate the points being made, and these, together with the problems for solution at the end of each chapter, make it suitable for use as a textbook at the graduate level. In addition to its role as a guide to the International Tables the book is valuable for the research scientist because of the many tables it presents."--PHYSICS TODAY"An understandable and comprehensive guide...Of particular interest in this new edition are the discussions of space groups application to such timely topics as high-temperature superconductors, phase transitions, semiconductor superlattices, incommensurate modulation, and icosahedral symmetry."--SCITECH"The book will be extremely useful to those who are interested in improving their knowledge of space groups for the determination of complicated structures."--MATHEMATICAL REVIEWS

Just what I need. The details about space groups are very hard to find elsewhere. This book is pedagogically excellent.

Great book. Good condition

Pretty good book. The appendices are invaluable.

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