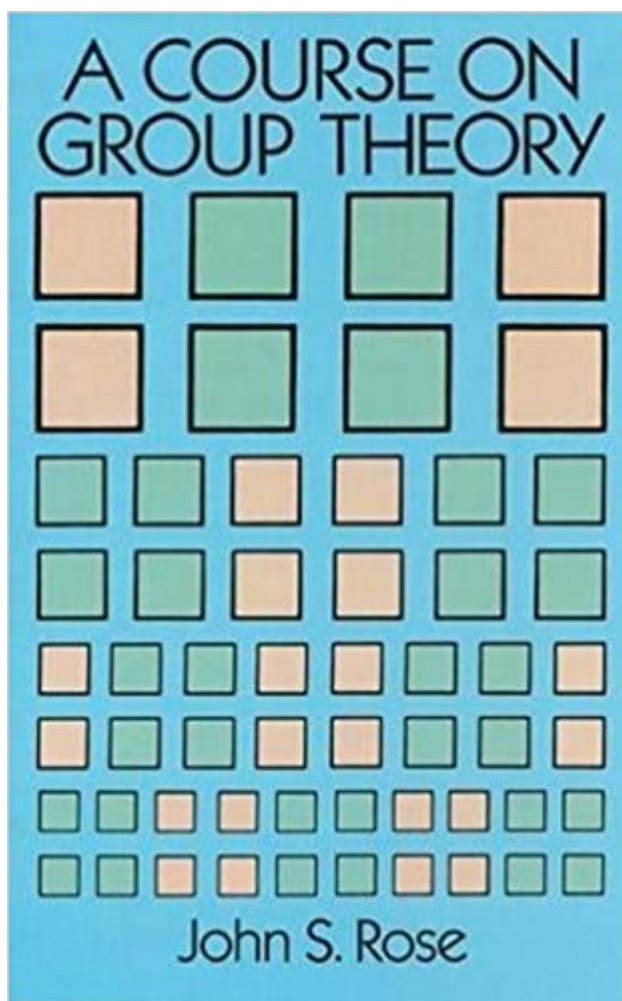


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A Course On Group Theory (Dover Books On Mathematics)



Synopsis

This textbook for advanced courses in group theory focuses on finite groups, with emphasis on the idea of group actions. Early chapters summarize presupposed facts, identify important themes, and establish the notation used throughout the book. Subsequent chapters explore the normal and arithmetical structures of groups as well as applications. Topics include the normal structure of groups: subgroups; homomorphisms and quotients; series; direct products and the structure of finitely generated Abelian groups; and group action on groups. Additional subjects range from the arithmetical structure of groups to classical notions of transfer and splitting by means of group action arguments. More than 675 exercises, many accompanied by hints, illustrate and extend the material.

Book Information

Series: Dover Books on Mathematics

Paperback: 320 pages

Publisher: Dover Publications; Revised ed. edition (June 13, 2012)

Language: English

ISBN-10: 0486681947

ISBN-13: 978-0486681948

Product Dimensions: 5.4 x 0.6 x 8.4 inches

Shipping Weight: 12 ounces (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars 9 customer reviews

Best Sellers Rank: #458,483 in Books (See Top 100 in Books) #52 in Books > Science & Math > Mathematics > Pure Mathematics > Group Theory #5524 in Books > Textbooks > Science & Mathematics > Mathematics

Customer Reviews

Might be slightly difficult for those not well versed in mathematics.

For those who need mathematics in their lives

Majorly excellent modern treatment of groups with all important topics. would recommend this book highly- well written nice probs also!!!

Good book.

Cost is low. Covers basic ideas

I had some previous exposure to Group Theory, but then my thesis (in Computer Science) actually needed Group Theory, so I was forced to dig deeper and get some real understanding. This book was more than adequate, and the price was just unbeatable. If you actually need explicit algorithmic details (for implementation), check out "Fundamental Algorithms for Permutation Groups" from Greg Butler as well.

On the strength of the previous review from France, I bought this book in the hope of a nice intro to group theory. Imagine my consternation when I read the preface in which it was clearly stated that the book specifically covers FINITE group theory and presupposes that the reader has had prior, elementary course in group theory. If you don't know group theory already, start with some other book, then try this one.

This book is jam packed with exercises and examples sure to keep you interested. My copy is showing some wear and this book is good enough I'll probably buy a crisp new copy. See the table of contents.

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