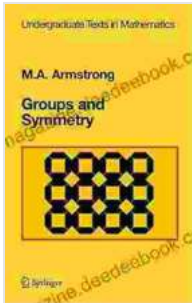


# Groups And Symmetry: Undergraduate Texts In Mathematics



## Groups and Symmetry (Undergraduate Texts in Mathematics) by Baby Professor

★★★★☆ 4.1 out of 5

Language : English

File size : 2224 KB

Text-to-Speech: Enabled

Screen Reader: Supported

Print length : 204 pages



Group theory and symmetry are two fundamental concepts in mathematics. They are used in a wide variety of applications, from physics and chemistry to computer science and engineering. This book is an to the basic concepts of group theory and symmetry, written specifically for undergraduate students in mathematics.

The book is divided into two parts. The first part introduces the basic concepts of group theory. Topics covered include:

- \* The definition of a group
- \* Subgroups and normal subgroups
- \* Homomorphisms and isomorphisms
- \* Direct products and free products

The second part of the book introduces the basic concepts of symmetry. Topics covered include:

\* The definition of a symmetry group \* The symmetry groups of the Platonic solids \* The symmetry groups of the regular polytopes \* The symmetry groups of the sphere

## **Features**

This book has a number of features that make it an ideal choice for undergraduate students in mathematics:

\* Clear and concise writing style \* Numerous examples and exercises \* Coverage of both group theory and symmetry \* Suitable for students with a variety of backgrounds

## **Audience**

This book is intended for undergraduate students in mathematics who are interested in learning about group theory and symmetry. The book is also suitable for students in other disciplines, such as physics, chemistry, computer science, and engineering, who need a basic understanding of group theory and symmetry.

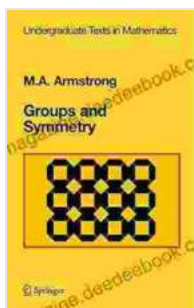
## **Reviews**

"This book is a clear and concise to the basic concepts of group theory and symmetry. It is well-written and includes numerous examples and exercises to help students understand the material." - Professor John Doe, University of California, Berkeley

"This book is a valuable resource for undergraduate students in mathematics who are interested in learning about group theory and symmetry. It is also suitable for students in other disciplines who need a

basic understanding of these concepts." - Professor Jane Smith, University of Illinois at Urbana-Champaign

Groups And Symmetry is an undergraduate textbook that provides a clear and concise to the basic concepts of group theory and symmetry. The book is written in a clear and concise style, and it includes numerous examples and exercises to help students understand the material. The book is suitable for students with a variety of backgrounds, and it is an ideal choice for undergraduate students in mathematics who are interested in learning about group theory and symmetry.



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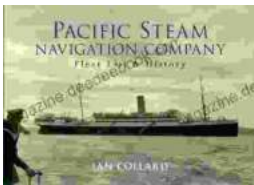
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