

[DOWNLOAD](#)

## Adventures in Group Theory: Rubik's Cube, Merlin's Machine, and Other Mathematical Toys (2nd Revised edition)

By David Joyner

Johns Hopkins University Press. Paperback. Book Condition: new. BRAND NEW, Adventures in Group Theory: Rubik's Cube, Merlin's Machine, and Other Mathematical Toys (2nd Revised edition), David Joyner, This updated and revised edition of David Joyner's entertaining "hands-on" tour of group theory and abstract algebra brings life, levity, and practicality to the topics through mathematical toys. Joyner uses permutation puzzles such as the Rubik's Cube and its variants, the 15 puzzle, the Rainbow Masterball, Merlin's Machine, the Pyraminx, and the Skewb to explain the basics of introductory algebra and group theory. Subjects covered include the Cayley graphs, symmetries, isomorphisms, wreath products, free groups, and finite fields of group theory, as well as algebraic matrices, combinatorics, and permutations. Featuring strategies for solving the puzzles and computations illustrated using the SAGE open-source computer algebra system, the second edition of Adventures in Group Theory is perfect for mathematics enthusiasts and for use as a supplementary textbook.



[READ ONLINE](#)  
[ 7.12 MB ]

### Reviews

*This composed book is excellent. This really is for all who statte that there had not been a worth reading through. Your life period will probably be change as soon as you total looking over this ebook.*

-- **Cheyenne Barrows**

*The book is fantastic and great. I have go through and i also am certain that i will planning to read through once more once more down the road. Its been printed in an exceedingly simple way and is particularly simply after i finished reading through this publication through which really changed me, change the way i think.*

-- **Hank Powlowski**