



Exploratory Galois Theory

By John Swallow

Cambridge University Press. Paperback. Book Condition: new. BRAND NEW PRINT ON DEMAND., Exploratory Galois Theory, John Swallow, Combining a concrete perspective with an exploration-based approach, Exploratory Galois Theory develops Galois theory at an entirely undergraduate level. The text grounds the presentation in the concept of algebraic numbers with complex approximations and assumes of its readers only a first course in abstract algebra. The author organizes the theory around natural questions about algebraic numbers, and exercises with hints and proof sketches encourage students' participation in the development. For readers with Maple or Mathematica, the text introduces tools for hands-on experimentation with finite extensions of the rational numbers, enabling a familiarity never before available to students of the subject. Exploratory Galois Theory includes classical applications, from ruler-and-compass constructions to solvability by radicals, and also outlines the generalization from subfields of the complex numbers to arbitrary fields. The text is appropriate for traditional lecture courses, for seminars, or for self-paced independent study by undergraduates and graduate students.



READ ONLINE
[4.37 MB]

Reviews

The book is great and fantastic. Better then never, though i am quite late in start reading this one. I realized this publication from my dad and i advised this ebook to find out.

-- **Dr. Blair Mann**

This book is definitely not easy to get going on reading through but extremely exciting to see. I am quite late in start reading this one, but better then never. I am pleased to explain how here is the finest book i actually have read inside my individual daily life and may be he best book for ever.

-- **Mrs. Ellie Yost II**