



The field of abstract algebra is deeply fundamental to modern mathematics. Working mathematicians, computer scientists, physicists, and chemists frequently encounter topics in abstract algebra, and a basic understanding of abstract algebra would immensely help. To that end, *A Complete Introduction to Abstract Algebra* provides all the necessary foundation to understand this fundamental study, assuming only a high-school understanding of mathematics. Everything, from the results discussed in the chapters to the questions and exercises, will have detailed solutions and explanations, providing you with the reassurance that you're on the right track and deepening your appreciation of the beauty of abstract algebra.

This book covers the absolute fundamentals of abstract algebra, starting with the prerequisite knowledge, moving on to groups, looking at rings and fields, and ending with an introduction to Galois theory. It adopts a structured approach to learning abstract algebra. Examples, exercises, and problems are frequently interspersed in the text to facilitate understanding, provide insight, and develop the ability to do proofs.

A Complete Introduction to ABSTRACT ALGEBRA

Kan Onn Kit

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1st Edition

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