



An Introduction to Algebraic Structures (Paperback)

By Joseph Landin

Dover Publications Inc., United States, 2010. Paperback. Condition: New. New edition. Language: English . Brand New Book. As the author notes in the preface, -The purpose of this book is to acquaint a broad spectrum of students with what is today known as abstract algebra. - Written for a one-semester course, this self-contained text includes numerous examples designed to base the definitions and theorems on experience, to illustrate the theory with concrete examples in familiar contexts, and to give the student extensive computational practice. The first three chapters progress in a relatively leisurely fashion and include abundant detail to make them as comprehensible as possible. Chapter One provides a short course in sets and numbers for students lacking those prerequisites, rendering the book largely self-contained. While Chapters Four and Five are more challenging, they are well within the reach of the serious student. The exercises have been carefully chosen for maximum usefulness. Some are formal and manipulative, illustrating the theory and helping to develop computational skills. Others constitute an integral part of the theory, by asking the student to supply proofs or parts of proofs omitted from the text. Still others stretch mathematical imaginations by calling for both conjectures and proofs. Taken together,...

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