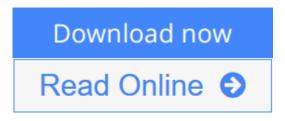


Introduction to Algebra (Universitext)

By A.I. Kostrikin



Introduction to Algebra (Universitext) By A.I. Kostrikin

This textbook, written by a dedicated and successful pedagogue who developed the present undergraduate algebra course at Moscow State University, differs in several respects from other algebra textbooks available in English. The book reflects the Soviet approach to teaching mathematics with its emphasis on applications and problem-solving -- note that the mathematics department in Moscow is called the I~echanics-Mathematics" Faculty. In the first place, Kostrikin's textbook motivates many of the algebraic concepts by practical examples, for instance, the heated plate problem used to introduce linear equations in Chapter 1. In the second place, there are a large number of exercises, so that the student can convert a vague passive understanding to active mastery of the new ideas. Thes~ problems are intended to be challenging but doable by the student; the harder ones have hints at the back of the book. This feature also makes the book ideally suited for learning algebra on one's own outside of the framework of an organized course. In the third place, the author treats material which is usually not part of an elementary course but which is fundamental in applications. Thus, Part II includes an introduction to the classical groups and to representation theory. With many American colleges now trying to bring their undergraduate mathematics curriculum closer to applications, it seems worthwhile to translate Soviet textbooks which reflect their greater experience in this area of mathematical pedagogy.

<u>Download</u> Introduction to Algebra (Universitext) ...pdf

<u>Read Online Introduction to Algebra (Universitext) ...pdf</u>

Introduction to Algebra (Universitext)

By A.I. Kostrikin

Introduction to Algebra (Universitext) By A.I. Kostrikin

This textbook, written by a dedicated and successful pedagogue who developed the present undergraduate algebra course at Moscow State University, differs in several respects from other algebra textbooks available in English. The book reflects the Soviet approach to teaching mathematics with its emphasis on applications and problem-solving -- note that the mathematics department in Moscow is called the I~echanics-Mathematics" Faculty. In the first place, Kostrikin's textbook motivates many of the algebraic concepts by practical examples, for instance, the heated plate problem used to introduce linear equations in Chapter 1. In the second place, there are a large number of exercises, so that the student can convert a vague passive understanding to active mastery of the new ideas. Thes~ problems are intended to be challenging but doable by the student; the harder ones have hints at the back of the book. This feature also makes the book ideally suited for learning algebra on one's own outside of the framework of an organized course. In the third place, the author treats material which is usually not part of an elementary course but which is fundamental in applications. Thus, Part II includes an introduction to the classical groups and to representation theory. With many American colleges now trying to bring their undergraduate mathematics curriculum closer to applications, it seems worthwhile to translate Soviet textbooks which reflect their greater experience in this area of mathematical pedagogy.

Introduction to Algebra (Universitext) By A.I. Kostrikin Bibliography

- Sales Rank: #3951862 in Books
- Brand: Brand: Springer
- Published on: 1982-06-01
- Released on: 1982-06-01
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.34" w x 6.10" l, 1.81 pounds
- Binding: Paperback
- 577 pages

<u>Download</u> Introduction to Algebra (Universitext) ...pdf

Read Online Introduction to Algebra (Universitext) ...pdf

Editorial Review

Language Notes Text: English, Russian (translation)

Users Review

From reader reviews:

Lisa McCann:

The feeling that you get from Introduction to Algebra (Universitext) will be the more deep you searching the information that hide in the words the more you get considering reading it. It doesn't mean that this book is hard to recognise but Introduction to Algebra (Universitext) giving you thrill feeling of reading. The article writer conveys their point in selected way that can be understood through anyone who read the item because the author of this book is well-known enough. This kind of book also makes your current vocabulary increase well. That makes it easy to understand then can go along with you, both in printed or e-book style are available. We advise you for having this Introduction to Algebra (Universitext) instantly.

Lena Garcia:

This Introduction to Algebra (Universitext) tend to be reliable for you who want to be considered a successful person, why. The reason why of this Introduction to Algebra (Universitext) can be one of many great books you must have is giving you more than just simple looking at food but feed you actually with information that maybe will shock your previous knowledge. This book will be handy, you can bring it just about everywhere and whenever your conditions throughout the e-book and printed ones. Beside that this Introduction to Algebra (Universitext) forcing you to have an enormous of experience such as rich vocabulary, giving you trial of critical thinking that we know it useful in your day exercise. So , let's have it and revel in reading.

Marylou Standley:

Spent a free time for you to be fun activity to try and do! A lot of people spent their sparetime with their family, or their very own friends. Usually they performing activity like watching television, going to beach, or picnic inside the park. They actually doing same every week. Do you feel it? Will you something different to fill your own personal free time/ holiday? Can be reading a book may be option to fill your totally free time/ holiday. The first thing that you will ask may be what kinds of book that you should read. If you want to attempt look for book, may be the e-book untitled Introduction to Algebra (Universitext) can be very good book to read. May be it is usually best activity to you.

Ronald Malone:

Typically the book Introduction to Algebra (Universitext) has a lot details on it. So when you check out this book you can get a lot of profit. The book was compiled by the very famous author. The writer makes some research previous to write this book. This specific book very easy to read you can find the point easily after reading this article book.

Download and Read Online Introduction to Algebra (Universitext) By A.I. Kostrikin #0HOQ65MWNFI

Read Introduction to Algebra (Universitext) By A.I. Kostrikin for online ebook

Introduction to Algebra (Universitext) By A.I. Kostrikin Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Introduction to Algebra (Universitext) By A.I. Kostrikin books to read online.

Online Introduction to Algebra (Universitext) By A.I. Kostrikin ebook PDF download

Introduction to Algebra (Universitext) By A.I. Kostrikin Doc

Introduction to Algebra (Universitext) By A.I. Kostrikin Mobipocket

Introduction to Algebra (Universitext) By A.I. Kostrikin EPub