

<<Elements of abstract>>

图书基本信息

书名：<<Elements of abstract analysis抽象分析原理>>

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内容概要

“ an interesting mix of algebra , topology and functional analysis , with chapter titles like Algebraic Structure , Linear Structure , Geometric Structure and Topological Structure.

” “ Michael OSearcoids book Element of Abstract Analysis is a book that deals with the fundamental principles of mathematics in a broad framework of set-theoretic approach.

The book is written with a deep insight.

The contents are conceptually useful to students.

The book is a nice readable treat for every student of mathematics and is highly recommended for one semester course at M.Sc.

level.

” “ This book covers the elements of abstract analysis , treated mostly within the context of topological spaces.

This is a carefully written book , starting from set-theoretic axioms , and containing about 180 problems and exercises with hints and solutions.

It is an ideal source of information for independent student study.

There is a comprehensive index.

” “ The book presents some concepts of analysis and the mathematical structures which enfold them. the reviewer recommends the book to everyone interested in analysis , especially those scholars interested in studying more advanced areas like Functional Analysis , or Operator Theory.

” “ The book is written specifically for final-year undergraduate students who should already be familiar with most of the mathematical structures discussed.

It reviews the concepts at a slightly greater level of abstraction and enables students to understand their place within the broad framework of set-based mathematics.

This book is a rigorous , self-contained introduction to functional analysis that will also serve as a text on abstract mathematics.

” “ This is a book about a few elementary concepts of analysis and the mathematical structures which enfold them.

The book is written specifically for final-year and undergraduate students who should already be familiar with most of the mathematical structures discussed and with many of the principal analytical concepts .

It reviews the concepts at a slightly greater level of abstraction and enables students to understand their place within the broad framework of set-based mathematics.

” While there are many books on functional analysis , Elements of Abstract Analysis takes a very different approach.

Unlike other books , it provides a comprehensive overview of the elementary concepts of analysis while preparing students to cross the threshold of functional analysis.

The book is written specifically for final-year undergraduate students who should already be familiar with most of the mathematical structures discussed for example , rings , linear spaces , and metric spaces - and with many of the principal analytical concepts - convergence , connectedness , continuity , compactness and completeness.

It reviews the concepts at a slightly greater level of abstraction and enables students to understand their place within the broad framework of set-based mathematics.

Carefully crafted , clearly written and precise , and with numerous exercises and examples , Elements of Abstract Analysis is a rigorous , self-contained introduction to functional analysis that will also serve as a text on abstract mathematics.

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