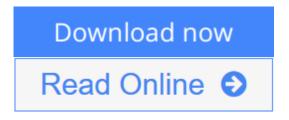


Foundations of Mathematical Analysis

By Saminathan Ponnusamy



Foundations of Mathematical Analysis By Saminathan Ponnusamy

Mathematical analysis is fundamental to the undergraduate curriculum not only because it is the stepping stone for the study of advanced analysis, but also because of its applications to other branches of mathematics, physics, and engineering at both the undergraduate and graduate levels.

This self-contained textbook consists of eleven chapters, which are further divided into sections and subsections. Each section includes a careful selection of special topics covered that will serve to illustrate the scope and power of various methods in real analysis. The exposition is developed with thorough explanations, motivating examples, exercises, and illustrations conveying geometric intuition in a pleasant and informal style to help readers grasp difficult concepts.

Foundations of Mathematical Analysis is intended for undergraduate students and beginning graduate students interested in a fundamental introduction to the subject. It may be used in the classroom or as a self-study guide without any required prerequisites.

Download Foundations of Mathematical Analysis ...pdf

<u>Read Online Foundations of Mathematical Analysis ...pdf</u>

Foundations of Mathematical Analysis

By Saminathan Ponnusamy

Foundations of Mathematical Analysis By Saminathan Ponnusamy

Mathematical analysis is fundamental to the undergraduate curriculum not only because it is the stepping stone for the study of advanced analysis, but also because of its applications to other branches of mathematics, physics, and engineering at both the undergraduate and graduate levels.

This self-contained textbook consists of eleven chapters, which are further divided into sections and subsections. Each section includes a careful selection of special topics covered that will serve to illustrate the scope and power of various methods in real analysis. The exposition is developed with thorough explanations, motivating examples, exercises, and illustrations conveying geometric intuition in a pleasant and informal style to help readers grasp difficult concepts.

Foundations of Mathematical Analysis is intended for undergraduate students and beginning graduate students interested in a fundamental introduction to the subject. It may be used in the classroom or as a self-study guide without any required prerequisites.

Foundations of Mathematical Analysis By Saminathan Ponnusamy Bibliography

- Sales Rank: #6037672 in Books
- Published on: 2011-12-16
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x 1.25" w x 6.14" l, 2.19 pounds
- Binding: Hardcover
- 570 pages

<u>Download</u> Foundations of Mathematical Analysis ...pdf

Read Online Foundations of Mathematical Analysis ...pdf

Editorial Review

Review

From the reviews:

"The book is intended for undergraduate students and beginning graduate students of mathematics. It can be used in the classroom or as a self-study guide. ... The text is organized in a classical way, each section is followed by a set of questions that stimulate the reader to think about the deeper nature of definitions or the background of theorems and exercises, which vary from routine to simple proofs." (Vladimír Janiš, Zentralblatt MATH, Vol. 1236, 2012)

From the Back Cover

Mathematical analysis is fundamental to the undergraduate curriculum not only because it is the stepping stone for the study of advanced analysis, but also because of its applications to other branches of mathematics, physics, and engineering at both the undergraduate and graduate levels.

This self-contained textbook consists of eleven chapters, which are further divided into sections and subsections. Each section includes a careful selection of special topics covered that will serve to illustrate the scope and power of various methods in real analysis. The exposition is developed with thorough explanations, motivating examples, and illustrations conveying geometric intuition in a pleasant and informal style to help readers grasp difficult concepts.

Key features include:

* "Questions and Exercises" are provided at the end of each section, covering a broad spectrum of content with various levels of difficulty;

* Some of the exercises are routine in nature while others are interesting, instructive, and challenging with hints provided for selected exercises;

* Covers a broad spectrum of content with a range of difficulty that will enable students to learn techniques and standard analysis tools;

* Introduces convergence, continuity, differentiability, the Riemann integral, power series, uniform convergence of sequences and series of functions, among other topics;

* Examines various important applications throughout the book;

* Figures throughout the book to demonstrate ideas and concepts are drawn using Mathematica.

Foundations of Mathematical Analysis is intended for undergraduate students and beginning graduate students interested in a fundamental introduction to the subject. It may be used in the classroom or as a self-study guide without any required prerequisites.

Users Review

From reader reviews:

Della Bailey:

The book Foundations of Mathematical Analysis give you a sense of feeling enjoy for your spare time. You need to use to make your capable considerably more increase. Book can to become your best friend when you getting strain or having big problem along with your subject. If you can make looking at a book Foundations of Mathematical Analysis to become your habit, you can get more advantages, like add your current capable, increase your knowledge about some or all subjects. It is possible to know everything if you like start and read a guide Foundations of Mathematical Analysis. Kinds of book are several. It means that, science publication or encyclopedia or others. So , how do you think about this guide?

Sheryl Vaughan:

Information is provisions for individuals to get better life, information these days can get by anyone from everywhere. The information can be a know-how or any news even an issue. What people must be consider any time those information which is from the former life are challenging be find than now is taking seriously which one works to believe or which one often the resource are convinced. If you get the unstable resource then you obtain it as your main information you will have huge disadvantage for you. All those possibilities will not happen in you if you take Foundations of Mathematical Analysis as the daily resource information.

Douglas Holmes:

Many people spending their period by playing outside along with friends, fun activity with family or just watching TV all day long. You can have new activity to pay your whole day by reading through a book. Ugh, ya think reading a book can really hard because you have to bring the book everywhere? It okay you can have the e-book, bringing everywhere you want in your Smart phone. Like Foundations of Mathematical Analysis which is having the e-book version. So , why not try out this book? Let's see.

Kelly Edge:

What is your hobby? Have you heard that question when you got learners? We believe that that query was given by teacher on their students. Many kinds of hobby, All people has different hobby. Therefore you know that little person including reading or as reading through become their hobby. You need to understand that reading is very important along with book as to be the matter. Book is important thing to include you knowledge, except your own personal teacher or lecturer. You see good news or update concerning something by book. A substantial number of sorts of books that can you choose to adopt be your object. One of them is this Foundations of Mathematical Analysis.

Download and Read Online Foundations of Mathematical Analysis By Saminathan Ponnusamy #7APDVIRG30N

Read Foundations of Mathematical Analysis By Saminathan Ponnusamy for online ebook

Foundations of Mathematical Analysis By Saminathan Ponnusamy 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 Foundations of Mathematical Analysis By Saminathan Ponnusamy books to read online.

Online Foundations of Mathematical Analysis By Saminathan Ponnusamy ebook PDF download

Foundations of Mathematical Analysis By Saminathan Ponnusamy Doc

Foundations of Mathematical Analysis By Saminathan Ponnusamy Mobipocket

Foundations of Mathematical Analysis By Saminathan Ponnusamy EPub

7APDVIRG30N: Foundations of Mathematical Analysis By Saminathan Ponnusamy