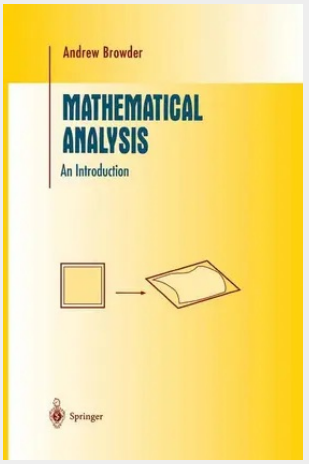
Browder

Mathematical Analysis

An Introduction

This is a textbook suitable for a year-long course in analysis at the ad vanced undergraduate or possibly beginning-graduate level. It is intended for students with a strong background in calculus and linear algebra, and a strong motivation to learn mathematics for its own sake. At this stage of their education, such students are generally given a course in abstract algebra, and a course in analysis, which give the fundamentals of these two areas, as mathematicians today conceive them. Mathematics is now a subject splintered into many specialties and sub specialties, but most of it can be placed roughly into three categories: al gebra, geometry, and analysis. In fact, almost all mathematics done today is a mixture of algebra, geometry and analysis, and some of the most in teresting results are obtained by the application of analysis to algebra, say, or geometry to analysis, in a fresh and surprising way. What then do these categories signify? Algebra is the mathematics that arises from the ancient experiences of addition and multiplication of whole numbers; it deals with the finite and discrete. Geometry is the mathematics that grows out of spatial experience; it is concerned with shape and form, and with measur ing, where algebra deals with counting.

This is a textbook suitable for a year-long course in analysis at the advanced undergraduate or beginning graduate level. It is intended for students with a strong background in calculus and linear algebra.The topics covered in this course are the calculus of functions of one variable, an introduction to general topology, the general theory of integration, and the calculus, differential and integral, for functions of several variables.



53,45 €
49,95 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9780387946146
Medium: Buch
ISBN: 978-0-387-94614-6
Verlag: Springer
Erscheinungstermin: 15.12.1995
Sprache(n): Englisch
Auflage: 1996
Serie: Undergraduate Texts in Mathematics
Produktform: Gebunden
Gewicht: 1490 g
Seiten: 335
Format (B x H): 160 x 241 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)