

<<实分析及其在经济学中的应用>>

图书基本信息

书名：<<实分析及其在经济学中的应用>>

13位ISBN编号：9787510050640

10位ISBN编号：7510050642

出版时间：2013-1

出版时间：世界图书出版公司

作者：Efe A.Ok

页数：802

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

## <<实分析及其在经济学中的应用>>

### 内容概要

This is primarily a textbook on mathematical analysis for graduate students in economics. While there are a large number of excellent textbooks on this broad topic in the mathematics literature, most of these texts are overly advanced relative to the needs of the vast majority of economics students and concentrate on various topics that are not readily helpful for studying economic theory. Moreover, it seems that most economics students lack the time or courage to enroll in a math course at the graduate level. Sometimes this is not even for bad reasons, for only few math departments offer classes that are designed for the particular needs of economists. Unfortunately, more often than not, the consequent lack of mathematical background creates problems for the students at a later stage of their education, since an exceedingly large fraction of economic theory is impenetrable without some rigorous background in real analysis. The present text aims at providing a remedy for this inconvenient situation.

<<实分析及其在经济学中的应用>>

书籍目录

Preface  
 Prerequisites  
 Basic Conventions  
 PART SET THEORY  
 CHAPTER A Preliminaries of Real Analysis  
 A.1 Elements of Set Theory  
 A.1.1 Sets  
 A.1.2 Relations  
 A.1.3 Equivalence Relations  
 A.1.4 Order Relations  
 A.1.5 Functions  
 A.1.6 Sequences, Vectors, and Matrices  
 A.1.7 A Glimpse of Advanced Set Theory: The Axiom of Choice  
 A.2 Real Numbers  
 A.2.1 Ordered Fields  
 A.2.2 Natural Numbers, Integers, and Rationals  
 A.2.3 Real Numbers  
 A.2.4 Intervals and  $\mathbb{R}$   
 A.3 Real Sequences  
 A.3.1 Convergent Sequences  
 A.3.2 Monotonic Sequences  
 A.3.3 Subsequential Limits  
 A.3.4 Infinite Series  
 A.3.5 Rearrangement of Infinite Series  
 A.3.6 Infinite Products  
 A.4 Real Functions  
 A.4.1 Basic Definitions  
 A.4.2 Limits, Continuity, and Differentiation  
 A.4.3 Riemann Integration  
 A.4.4 Exponential, Logarithmic, and Trigonometric Functions  
 A.4.5 Concave and Convex Functions  
 A.4.6 Quasiconcave and Quasiconvex Functions  
 CHAPTER B Countability  
 B.1 Countable and Uncountable Sets  
 B.2  $\mathbb{R}$  and  $\mathbb{Q}$   
 B.3 Some More Advanced Set Theory  
 B.3.1 The Cardinality Ordering  
 B.3.2 The Well-Ordering Principle  
 B.4 Application: Ordinal Utility Theory  
 B.4.1 Preference Relations  
 B.4.2 Utility Representation of Complete Preference Relations  
 B.4.3 Utility Representation of Incomplete Preference Relations  
 PART ANALYSIS ON METRIC SPACES

<<实分析及其在经济学中的应用>>

CHAPTER C Metric Spaces

C.1 Basic Notions

C.1.1 Metric Spaces: Definition and Examples

C.1.2 Open and Closed Sets

C.1.3 Convergent Sequences

.....

PART ANALYSIS ON LINEAR SPACES

PART ANALYSIS ON METRIC/NORMED LINEAR SPACES

Hints for Selected Exercises

References

Glossary of Selected Symbols

Index

<<实分析及其在经济学中的应用>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介, 请支持正版图书。

更多资源请访问:<http://www.tushu007.com>