

<<数学分析>>

图书基本信息

书名 : <<数学分析>>

13位ISBN编号 : 9787313048882

10位ISBN编号 : 7313048882

出版时间 : 2007-8

出版时间 : 上海交通大学出版社

作者 : 李为民

页数 : 516

版权说明 : 本站所提供之下载的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>

<<数学分析>>

内容概要

本书是为贯彻教育部教学改革精神，实施全英语授课需要而编写，此书书稿在实际教学中已获得广泛好评。

其内容包括：实数系统和函数；序列极限；函数极限及连续性；导数和微分；中值定理和导数的应用；不定积分；定积分；定积分的应用；微分方程初步。

本书可作为大学数学系及要求较高的专业的本科生教材，也可作为大学教师教学用书或教学参考书。

<<数学分析>>

书籍目录

Chapter 1 Real number system and functions 1.1 Real number system 1.2 Inequalities 1.3 Functions
Chapter 2 Sequence Limit 2.1 Concept of sequence limit 2.2 Properties of convergent sequences
2.3 Fundamental theorems of sequence limit 2.4 Upper limit and lower limit of a sequence
Chapter 3 Function limits and continuity 3.1 Concept of function limits 3.2 Properties of function limits 3.3 Two important limits 3.4 Infinitesimal and infinity 3.5 Concept of continuity 3.6 Properties of continuous functions 3.7 Continuity of primary functions 3.8 Uniform continuity
Chapter 4 Derivatives and differentials
4.1 Concept of derivatives 4.2 Computation of derivatives 4.3 Differentials 4.4 Derivatives and differentials of higher order
Chapter 5 Mean value theorems and applications of derivative 5.1 Mean value theorems 5.2 Monotony and extremum of functions 5.3 Graph of a function 5.4 L'Hospital rules 5.5 Newton-Raphson method
Chapter 6 Indefinite integrals 6.1 Concept of indefinite integrals and fundamental formulas 6.2 Techniques of integration 6.3 Integration of some special kinds of functions
Chapter 7 Definite integrals 7.1 Concept of definite integrals 7.2 Properties of definite integrals 7.3 The fundamental theorems of calculus 7.4 Integration techniques of definite integrals 7.5 Improper integrals 7.6 Numerical integration
Chapter 8 Applications of definite integrals 8.1 Applications in geometry 8.2 Applications in physics
Chapter 9 Preliminary of differential equations 9.1 Basic concepts of differential equations 9.2 Differential equations of first-order
.....

<<数学分析>>

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>