

<<简明微积分及其应用>>

图书基本信息

书名：<<简明微积分及其应用>>

13位ISBN编号：9787040155587

10位ISBN编号：7040155583

出版时间：2004-11

出版时间：高等教育出版社

作者：阿姆斯特朗

页数：701

字数：880000

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>

<<简明微积分及其应用>>

内容概要

这批教材普遍具有以下特点：（1）基本上是近3年出版的，在国际上被广泛使用，在同类教材中具有相当的权威性；（2）高版次，历经多年教学实践检验，内容翔实准确、反映时代要求；（3）各种教学资源配置整齐，为师生提供了极大的便利；（4）插图精美、丰富，图文并茂，与正文相辅相成；（5）语言简练、流畅、可读性强，比较适合非英语国家的学生阅读。

通过影印、翻译、编译这批优秀教材，我们一方面要不断地分析、学习、消化吸收国外优秀教材的长处，吸取国外出版公司的制作经验，提升我们自编教材的立体化配套标准，使我国高校教材建设水平上一个新台阶；与此同时，我们还将尝试组织海外作者和国内作者合编外文版基础课数学教材，并约请国内专家改编部分国外优秀教材，以适应我国实际教学环境。

<<简明微积分及其应用>>

作者简介

<<简明微积分及其应用>>

书籍目录

Chapter 1 Functions, Models, and Average Rate of Change 1.1 The Coordinate System and Functions 1.2 Introduction to Problem Solving 1.3 Linear Functions and Average Rate of Change on an Interval 1.5 Operations on Functions 1.6 Rational, Radical, and Power Functions 1.7 Exponential Functions 1.8 Logarithmic Functions 1.9 Modeling Data with Functions (Optional Section - Requires Graphing Calculator) Chapter Review Exercises Chapter 1 Project

Chapter 2 Limits, Instantaneous Rate of Change, and the Derivative 2.1 Limits 2.2 Limits and Asymptotes 2.3 Problem Solving: Rates of Change 2.4 The Derivative 2.5 Derivatives of Constants, Powers, and Sums 2.6 Derivatives of Products and Quotients 2.7 Continuity and Nondifferentiability Chapter Review Exercises Chapter 2 Project

Chapter 3 Applications of the Derivative 3.1 The Differential and Linear Approximations 3.2 Marginal Analysis 3.3 Measuring Rates and Errors Chapter Review Exercises Chapter 3 Project

Chapter 4 Additional Differentiation Techniques 4.1 The Chain Rule 4.2 Derivatives of Logarithmic Functions 4.3 Derivatives of Exponential Functions 4.4 Implicit Differentiation and Related Rates 4.5 Elasticity of Demand Chapter Review Exercises Chapter 4 Project

Chapter 5 Further Applications of the Derivative 5.1 First Derivatives and Graphs 5.2 Second Derivatives and Graphs 5.3 Graphical Analysis and Curve Sketching 5.4 Optimizing Functions on a Closed Interval 5.5 The Second Derivative Test and Optimization Chapter Review Exercises Chapter 5 Project

Chapter 6 Integral Calculus Chapter 7 Applications of Integral Calculus Chapter 8 Calculus of Several Variables Appendix A Essentials of Algebra Appendix B Calculator Programs Appendix C Selected Proofs Appendix D Photo and Illustration Credits Answers to Odd-Numbered Exercises Index

<<简明微积分及其应用>>

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>