

<<高等数学(下)>>

图书基本信息

书名：<<高等数学(下)>>

13位ISBN编号：9787563528936

10位ISBN编号：7563528938

出版时间：2012-2

出版时间：北京邮电大学出版社

作者：北京邮电大学高等数学双语教学组 编

页数：339

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>

<<高等数学(下)>>

内容概要

《高等数学(下)(英文版)》为《高等数学》双语教材的第二部分, 主要内容包括微分方程及其简单应用、解析几何、多元函数的微分及其应用、多元函数的积分及其应用, 以及曲线、曲面积分。

《高等数学(下)(英文版)》的每一个部分都经过了精细的筛选, 力求做到重点突出、层次分明、叙述清楚、深入浅出、简明易懂。

全书例题较为丰富, 并且每一节之后均配有一定数量的习题。

习题分为两个部分, 第一部分主要是对基本知识和基本方法的训练, 第二部分则主要强调对基本知识和方法的灵活运用能力。

《高等数学(下)(英文版)》适用于高等学校理工科各专业学生的双语教学, 同时也可作为其他专业的教材和参考教材。

书籍目录

Chapter 7 Differential Equations

7.1 Basic Concepts of Differential Equations

7.1.1 Examples of Differential Equations

7.1.2 Basic Concepts

7.1.3 Geometric Interpretation of the First-Order Differential

Equation

Exercises 7.1

7.2 First-Order Differential Equations

7.2.1 First-Order Separable Differential Equation

7.2.2 Homogeneous First-Order Equations

7.2.3 Linear First-Order Equations

7.2.4 Bernoulli's Equation

7.2.5 Some Other Examples that can be Reduced to Linear

First-Order Equations

Exercises 7.2

7.3 Reducible Second-Order Differential Equations

Exercises 7.3

7.4 Higher-Order Linear Differential Equations

7.4.1 Some Examples of Linear Differential Equation of

Higher-Order

7.4.2 Structure of Solutions of Linear Differential

Equations

Exercises 7.4

7.5 Higher-Order Linear Equations with Constant Coefficients

7.5.1 Higher-Order Homogeneous Linear Equations with Constant

Coefficients

7.5.2 Higher-Order Nonhomogeneous Linear Equations with Constant

Coefficients

Exercises 7.5

7.6 Euler's Differential Equation

Exercises 7.6

7.7 Applications of Differential Equations

Exercises 7.7

Chapter 8 Vectors and Solid Analytic Geometry

8.1 Vectors in Plane and in Space

8.1.1 Vectors

8.1.2 Operations on Vectors

8.1.3 Vectors in Plane

8.1.4 Rectangular Coordinate System

8.1.5 Vectors in Space

Exercises 8.1

Part A

Part B

8.2 Products of Vectors

8.2.1 Scalar Product of two Vectors

8.2.2 Vector Product of two Vectors

8.2.3 Triple Scalar Product of three Vectors

8.2.4 Applications of Products of Vectors

Exercises 8.2

Part A

Part B

8.3 Planes and Lines in Space

8.3.1 Equations of Planes

8.3.2 Equations of Lines in Space

Exercises 8.3

Part A

Part B

8.4 Surfaces and Space Curves

8.4.1 Cylinders

8.4.2 Cones

8.4.3 Surfaces of Revolution

8.4.4 Quadric Surfaces

8.4.5 Space Curves

.....

Chapter 9 The Differential Calculus for Multi-variable Functions

Chapter 10 Applications of Multi-variable Functions

Chapter 11 Multiple Integrals

Chapter 12 Line Integrals and Surface Integrals

Bibliography

<<高等数学（下）>>

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>