

<<机械原理>>

图书基本信息

书名：<<机械原理>>

13位ISBN编号：9787562433569

10位ISBN编号：7562433569

出版时间：2005-5

出版时间：重庆大学出版社

作者：Charles E.Wilson,J.Peter Sadler,秦伟

页数：329

字数：732000

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>

## <<机械原理>>

### 内容概要

本书是根据培生教育出版集团出版的教材缩编而成的英文机械原理教材，强调培养学生提出和解决机械的运动学和动力学问题的能力，重视强化已经学过课程的知识和分析运算结果和设计之间的关系。缩编者在保持原书特色和风格的前提下，根据我国机械原理课程教学基本要求，将原教材压缩为11章。

同时，用中文撰写了缩编说明，详细介绍了本书的特点和用法。

附录中保留了原著全部有用的资料。

本教材语言流畅，通俗易懂，联系实际，适应我国学生的外语水平和学习特点，是一本学习机械原理课程和进行机械原理双语教学的优秀教材。

## 书籍目录

Preface What Abilities Define an Engineer? Goals of the Text Scope What's New in the Third Edition? Course  
 Development Disclaimer About the Authors Acknowledgments Symbols What You Will Learn and Apply in the  
 Study of the Kinematics and Dynamics of Machinery CHAPTER 1 Mechanisms and Machines: Basic Concepts 1.1  
 Introduction 1.2 Tools Available to the Designer of Linkages and Other Mechanisms Hints for Effective  
 Computer Use Identifying a Need or a Problem 1.3 Systems of Units Conversion Factors 1.4 Terminology and  
 Definitions Link Frame Joint or Kinematic Pair Lower and Higher Pair Closed-Loop Kinematic Chains  
 Open-Loop Kinematic Chains Manipulators Robots Linkage Planar Motion and Planar Linkages  
 Spatial Motion and Spatial Linkages Inversion Cycle and Period 1.5 Degrees of Freedom Constraints Due to  
 Joints Planar Linkages Determination of Degrees of Freedom for a Planar Linkage One-Degree-of-Freedom  
 Configurations 1.6 Classification of Closed Planar Four-Bar Linkages: The Grashof Criterion 1.7 Transmission  
 Angle ..... CHAPTER 2 Motion in Machinery: Positional Analysis of Planar Mechanisms CHAPTER 3 Velocity  
 Analysis of Mechanisms CHAPTER 4 Acceleration Analysis of Mechanisms CHAPTER 5 Design and Analysis of  
 Cam-and-Follower Systems CHAPTER 6 Spur Gears: Design and Analysis CHAPTER 7 Helical, Worm, and Bevel  
 Gears: Design and Analysis CHAPTER 8 Drive Trains: Design and Analysis CHAPTER 9 Static-Force  
 Analysis CHAPTER 10 Dynamic-Force Analysis CHAPTER 11 Synthesis Partial Answers to Selected  
 Problems Some Conversion Factors 教学支持说明

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>