

# 《交通工程学》

## 图书基本信息

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# 《交通工程学》

## 内容概要

《交通工程学》详细地介绍了交通工程学的基本概念、原理和方法，是高等学校交通工程专业双语教材，可作为交通工程、交通运输、土木工程、车辆工程、城市规划、物流工程等专业高年级本科生和交通运输工程学科研究生的教材，也可供城市规划、汽车设计与运用服务、交通运输管理部门和公共交通营运单位以及物流企业的专业技术人员参考。

## 书籍目录

### Chapter 1 Introduction of Traffic Engineering

- 1.1 Importance of traffic and transportation
  - 1.1.1 Transportation's role in social life and economics
  - 1.1.2 People, goods and vehicles
  - 1.1.3 Traffic and cities, towns and villages
  - 1.1.4 Traffic problems and challenges
- 1.2 Traffic engineering definition and development
  - 1.2.1 Definition of traffic engineering
  - 1.2.2 Traffic engineering objectives
  - 1.2.3 Traffic engineering development
    - 1.2.3.1 Chronology of traffic engineering
    - 1.2.3.2 Background of traffic engineering development
- 1.3 Transportation modes and functions
  - 1.3.1 Transportation modes
  - 1.3.2 Transportation demand
  - 1.3.3 Mobility and accessibility
- 1.4 Characteristics and elements of traffic engineering
  - 1.4.1 Responsibility and liability of traffic engineer
  - 1.4.2 Specialties in traffic engineer
  - 1.4.3 Basic contents of traffic engineering
  - 1.4.4 Traffic engineering characteristics

Problems

Additional Chinese readings

References

### Chapter 2 Traffic Characteristics

### Chapter 3 Traffic Stream Characteristics

### Chapter 4 Traffic Engineering Studies and Programs

### Chapter 5 Fundamentals of Traffic Flow Theory

### Chapter 6 Traffic Management and Control

### Chapter 7 Capacity and Level-of-Service Analysis

### Chapter 8 Transportation Planning

### Chapter 9 New Technologies in Traffic System

### Appendix Terminology in English and Chinese

## 精彩短评

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