

Brief Introduction

The book provides a comprehensive overview of various aspects of geotechnical engineering. It is divided into nine chapters that cover different topics related to the field: introduction to geotechnical engineering, the properties of rock materials, the properties of rock mass, the physical properties of soil, constitutive relationships of rocks, slope engineering and stability, underground engineering, numerical methods for geotechnical engineering, and developments of geotechnical engineering. The book also includes a list of academic journals, explanations of technical terms, and key vocabulary related to the field of geotechnical engineering. It provides readers with additional resources to further understand the research trends and professional terminology in the field.

In addition to being used as a textbook for undergraduate students, this book can also be selected as a textbook for graduate students. It can also serve as a reference book for teachers in higher education institutions, researchers in scientific research institutes, and engineering departments, as well as engineering technicians.

本书介绍了岩土工程专业领域的基本常识，分九个章节，各章分别涵盖了与该领域相关的不同内容：岩土工程背景、岩石材料的性质、节理岩体的性质、土壤的物理性质、岩石本构关系、边坡工程与稳定性、地下工程基本知识、岩土工程数值方法以及岩土工程发展。本书还列出了岩土工程专业相关的一些学术期刊、术语解释和主要词汇。这为读者进一步了解该领域的研究趋势提供了帮助。

除作为本科生教材使用外，本书也可用作研究生的教材，还可以作为高等院校相关专业的教师、科研院所和工程部门的科研人员、工程技术人员的参考用书。

为了更好地支持教学，我社向采用本书作为教材的教师提供课件，有需要者可与出版社联系，邮箱 jckj@cabp.com.cn，电话（010）58337285。