

<<偏微分方程的数值方法>>

图书基本信息

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内容概要

本书分为两卷（或者称为两部分），分别列入Springer《应用数学丛书》之22卷和33卷，内容取自作者在罗拉多州立大学所开的研究生课程讲义，该课程讲授偏微分方程的差分解法，授课的对象为应用数学和工程专业的研究生。

本书的特点是强调实际上机操作，阅读本书需要一定的偏微分方程基础知识和编程能力，本书可以作为研究生和高年级大学生学习计算数学的教科书。

第1卷《数值偏微分方程——有限差分法》（Numerical Partial Differential Equations: Finite Difference Methods）已购权影印出版，编号为WB3299。

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编辑推荐

Mathematics is playing an ever more important role in the physical and biological sciences, provoking a blurring of boundaries between scientific disciplines and a resurgence of interest in the modern as well as the classical techniques of applied mathematics. This renewal of interest, both in research and teaching, has led to the establishment of the series: Texts in Applied Mathematics (TAM). The development of new courses is a natural consequence of a high level of excitement on the research frontier as newer techniques, such as numerical and symbolic computer systems, dynamical systems, and chaos, mix with and reinforce the traditional methods of applied mathematics. Thus, the purpose of this textbook series is to meet the current and future needs of these advances and encourage the teaching of new courses. 此书为英文版。

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