

<<应用微积分>>

图书基本信息

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前言

本书叙述了一元函数微积分、二元函数微分学和二重积分，简单介绍了常微分方程和级数，还讲述了概率的基本知识。

作者在修订本版时有两个目的：其一是给学生写一本易读好用的教材，其二是给教师提供一个非常有用的教学工具。

所以，作者在本版中采纳了前4版读者的意见，同时有选择地、尽可能完整地加入了最新方法、最新实例。

其内容符合我国经济管理专业的要求，对文科各专业也基本适用。

书中的数学概念、方法、理论都是通过具体直观的过程引入的，没有较严密的推理过程，所以这是一本“直观微积分”的书，这种方式的讲述对文科各专业学生是十分适宜的，可能会使他们获益更多，对管理类专业也基本适合。

书中采用对函数类分层叙述的方法，先对有理函数介绍微分学，后对指数、对数函数叙述，最后介绍对三角函数的微积分，这种方式特别适用于文科学生。

本书例题、习题十分丰富，包括了从经济、贸易、社会行为学、生命科学、物理学和其他科学领域中提炼出的最新的、有趣的应用。

而且本书插图精美，可帮助学生理解相应内容。

总之，本书适宜作为文科各专业和某些经济管理专业的本科“微积分”教材。

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内容概要

对数学概念、方法、理论都通过直观过程引入。
包含了许多从经济、贸易、社会行为学、生命科学、物理学和其他科学领域提炼出的最新的、有趣的应用。
适宜作为经济管理及文科的微积分教材。

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