

<<偏微分方程>>

图书基本信息

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内容概要

《偏微分方程(第1卷)》是一部两卷集的偏微分方程教材。多变量椭圆，抛物和双曲方程是研究的主要对象，解决了PDE和多变量方法之间的关系。第一卷中集中研究了流形上的积分和微分，泛函解析基础，映射的Brouwer度，广义解析函数和圆周同调这些议题，在这一卷中通过积分表示论解决偏微分方程问题，第二卷中讲述函数解析解法。书中各章的独立性较强，有一定偏微分方程基本知识的读者可以独立阅读各章。

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