

<<偏微分方程（第2卷）>>

图书基本信息

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## <<偏微分方程 (第2卷)>>

### 内容概要

《偏微分方程(第2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。本书是第二卷主要讲述了banach空间算子方程的可解性，hilbert空间线性算子和谱理论；线性椭圆微分方程的schauder理论；微分方程弱解；非线性偏微分方程；非线性椭圆系统和微分几何应用。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。目次：banach空间中的算子；hilbert空间线性算子；线性椭圆微分方程；非线性偏微分方程；非线性椭圆系统。

读者对象：数学专业的本科生，研究生和相关的科研人员。

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