

<<退化抛物方程>>

图书基本信息

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内容概要

数学真正意义上研究退化和奇异抛物偏微分方程是近些年才开始的，起源于60年代中叶DeGiorgi, Moser, Ladyzenskaja和Ural'tzeva这些人的工作。

本书是近些年来该领域的进展的综述。

其基本思想来自上个世纪90年代作者在波恩大学的Lipschitz讲义。

目次：函数空间；弱解和局部能量估计；退化抛物方程的Holder连续性；奇异抛物方程解的Holder连续性；弱解有界性；Harnack估计： $p \geq 2$ ；Harnack估计和；退化和奇异抛物系统；抛物 p 系统： Du 的Holder连续性；抛物 p 系统：边界奇异； T 中的非负解： $p \geq 2$ ； T 中的非负解： $1 \leq p < 2$ 。

本书适用于数学专业的研究生和科研人员。

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