

《偏微分方程中的逆问题(第2版)(影印版)》

图书基本信息

书名：《偏微分方程中的逆问题(第2版)(影印版)》

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内容概要

《偏微分方程中的逆问题(第2版)》全面讲述了目前偏微分方程中逆问题的理论和数值方面。逆问题这个话题十分宽泛,并且得到了众多科学家和工程人员的青睐。这是第二版,包括了逆问题领域的最新进展,给出了理论和计算方法,强调最新观点和技巧。书中也体现了和第一版的不同,做了许多修订,内容更加充实,增加了如伪凸的概念,简化了证明。新材料的增加反应了逆问题理论的最新进展。本书对象是偏微分方程及其应用领域的数学工作者、物理学家、几何物理学家和工程人员。

目次:逆问题;不适定问题和正则化;柯西问题中的唯一性和稳定性;椭圆方程:单边界测量;椭圆方程:多边界测量;散射问题;积分几何和x线断层摄影术;双曲问题;逆抛物问题;一些数值方法

读者对象:偏微分方程及其应用领域的数学工作者、物理学家、几何物理学家和工程人员。

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