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<<几何分析与相对论>>

图书基本信息

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内容概要

自从爱因斯坦提出广义相对论以来，微分几何就与广义相对论密不可分。
微分几何和几何分析为学习广义相对论提供方法以及正确的框架，而广义相对论激发富有挑战性的各种问题。
本书包含23篇几何分析和广义相对论各领域的综述性文章，作者均为该领域的知名专家。
几何分析方面的内容包括：Yamabe问题、平均曲率流、极小曲面、调和映照、Ricci流、胶合与分裂结构、函数论、流形的塌陷、Kahler-Einstein度量、完备流形的渐近几何以及Teichmuller空间几何等。
广义相对论方面的内容包括：正质量定理、Penrose不等式、标量曲率及Einstein约束方程、准局域质量泛函、高维黑洞拓扑、渐近双曲流形的正质量定理等。
本书可供几何分析或相对论领域的研究人员和研究生参考。

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