

《泛函不等式,马尔可夫半群与谱馈

图书基本信息

书名：《泛函不等式,马尔可夫半群与谱理论》

13位ISBN编号：9787030144157

10位ISBN编号：7030144155

出版时间：2005-1

出版社：科学出版社

作者：王凤雨

页数：379

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内容概要

《泛函不等式马尔可夫半群与谱理论》内容简介：In this book, we introduce functional inequalities to describe:

(i) the spectrum of the generator: the essential and discrete spectrums, high order eigenvalues, the principal eigenvalue, and the spectral gap;

(ii) the semigroup properties: the uniform integrability, the compactness, the convergence rate, and the existence of density;

(iii) the reference measure and the intrinsic metric: the concentration, the isoperimetric inequality, and the transportation cost inequality.

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作者简介

王风雨, 博士, 1966年12月生于安徽省嘉山县。北京师范大学教授, 长江学者特聘教授, 博士生导师, 国家杰出青年科学基金获得者。曾应邀访问英国Warwick大学, 还应邀访问过美国、法国、德国、俄罗斯、日本、新加坡、意大利和台湾等国家和地区的20余所大学和研究所, 并多次在国际学术会议上作邀请报告。目前, 担任中国概率统计学会常务理事, 美国《数学评论》和德国《数学文摘》评论员, 《应用概率统计》等杂志的编委。曾经作为洪堡学者在德国Bielefeld大学工作。曾经获得钟嘉庆数学奖, 教育部科技进步奖一等奖, 国家自然科学基金三等奖和教育部首届高校青年教师奖, 霍英东青年教师奖研究类一等奖。获得北京市五四青年奖章, 入选首批新世纪百千万工程国家级人才计划, 承担国家重点基础研究发展规划“973”项目。研究方向涉及概率论、微分几何、统计物理和泛函分析等多个学科领域, 已发表论文近80篇, 出版专著一部。

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概率论与函数研究领域的研究生、教师和科研工作者。

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