

Random Walks and Geometry

Proceedings of a Workshop at the Erwin Schrödinger Institute, Vienna, June 18 - July 13, 2001

Bearbeitet von
Vadim Kaimanovich

1. Auflage 2004. Buch. X, 542 S. Hardcover
ISBN 978 3 11 017237 9
Gewicht: 1006 g

[Weitere Fachgebiete > Mathematik > Stochastik](#)

schnell und portofrei erhältlich bei

The logo for beck-shop.de features the text "beck-shop.de" in a bold, red, sans-serif font. Above the "i" in "shop" are three red dots of increasing size. Below the main text, the words "DIE FACHBUCHHANDLUNG" are written in a smaller, red, all-caps, sans-serif font.

beck-shop.de
DIE FACHBUCHHANDLUNG

Die Online-Fachbuchhandlung beck-shop.de ist spezialisiert auf Fachbücher, insbesondere Recht, Steuern und Wirtschaft. Im Sortiment finden Sie alle Medien (Bücher, Zeitschriften, CDs, eBooks, etc.) aller Verlage. Ergänzt wird das Programm durch Services wie Neuerscheinungsdienst oder Zusammenstellungen von Büchern zu Sonderpreisen. Der Shop führt mehr als 8 Millionen Produkte.

Table of contents

Preface	vii
---------	-----

Surveys and longer articles

<i>Abbas Alhakim and Stanislav Molchanov</i> Some Markov chains on abelian groups with applications	3
<i>Raffaella Burioni, Davide Cassi and Alessandro Vezzani</i> Random walks and physical models on infinite graphs: an introduction	35
<i>Tullio Ceccherini-Silberstein, Francesca Fiorenzi and Fabio Scarabotti</i> The Garden of Eden Theorem for cellular automata and for symbolic dynamical systems	73
<i>Alex Gamburd</i> Expander graphs, random matrices and quantum chaos	109
<i>Rostislav I. Grigorchuk and Andrzej Żuk</i> The Ihara zeta function of infinite graphs, the KNS spectral measure and integrable maps	141
<i>Yves Guivarc'h et Émile Le Page</i> Simplicité de spectres de Lyapounov et propriété d'isolation spectrale pour une famille d'opérateurs de transfert sur l'espace projectif	181
<i>Gregory F. Lawler</i> An introduction to the Stochastic Loewner Evolution	261
<i>George A. Willis</i> A canonical form for automorphisms of totally disconnected locally compact groups	295

Research communications

<i>Martine Babillot</i> On the classification of invariant measures for horosphere foliations on nilpotent covers of negatively curved manifolds	319
<i>Martin T. Barlow and Steven N. Evans</i> Markov processes on vermiculated spaces	337

<i>Laurent Bartholdi</i>	
Cactus trees and lower bounds on the spectral radius of vertex-transitive graphs	349
<i>Enrique Bendito, Ángeles Carmona and Andrés M. Encinas</i>	
Equilibrium measure, Poisson kernel and effective resistance on networks	363
<i>Sébastien Blachère</i>	
Internal diffusion limited aggregation on discrete groups of polynomial growth	377
<i>Massimo Campanino and Dimitri Petritis</i>	
On the physical relevance of random walks: an example of random walks on a randomly oriented lattice	393
<i>Tullio Ceccherini-Silberstein and Fabio Scarabotti</i>	
Random walks, entropy and hopfianity of free groups	413
<i>Anna Erschler</i>	
Growth rates of small cancellation groups	421
<i>Alex Eskin and Gregory Margulis</i>	
Recurrence properties of random walks on finite volume homogeneous manifolds	431
<i>Alessandra Iozzi</i>	
On the cohomology of foliations with amenable groupoid	445
<i>Anders Karlsson</i>	
Linear rate of escape and convergence in direction	459
<i>Anna Maria Mantero and Anna Zappa</i>	
Remarks on harmonic functions on affine buildings	473
<i>Tatiana Nagnibeda</i>	
Random walks, spectral radii, and Ramanujan graphs	487
<i>Sam Northshield</i>	
Cogrowth of arbitrary graphs	501
<i>Laurent Saloff-Coste</i>	
Total variation lower bounds for finite Markov chains: Wilson's lemma	515