

THE ANNALS *of* PROBABILITY

AN OFFICIAL JOURNAL OF THE
INSTITUTE OF MATHEMATICAL STATISTICS

Articles

Persistence of Gaussian stationary processes: A spectral perspective NAOMI FELDHEIM, OHAD FELDHEIM AND SHAHAF NITZAN	1067
Random walk on random planar maps: Spectral dimension, resistance, and displacement EWAIN GWYNNE AND JASON MILLER	1097
Rates of convergence to equilibrium for potlatch and smoothing processes SAYAN BANERJEE AND KRZYSZTOF BURDZY	1129
On the derivative martingale in a branching random walk DARIUSZ BURACZEWSKI, ALEXANDER IKSANOV AND BASTIEN MALLEIN	1164
Diffusion approximation for fully coupled stochastic differential equations MICHAEL RÖCKNER AND LONGJIE XIE	1205
A shape theorem for the orthant model .. MARK HOLMES AND THOMAS S. SALISBURY	1237
Atypical exit events near a repelling equilibrium YURI BAKHTIN AND HONG-BIN CHEN	1257
The smallest singular value of inhomogeneous square random matrices GALYNA V. LIVSHYTS, KONSTANTIN TIKHOMIROV AND ROMAN VERSHYNIN	1286
An optimal regularity result for Kolmogorov equations and weak uniqueness for some critical SPDEs.....ENRICO PRIOLA	1310
Extremal eigenvalues of critical Erdős–Rényi graphs JOHANNES ALT, RAPHAËL DUCATEZ AND ANTTI KNOWLES	1347
Global well posedness of the two-dimensional stochastic nonlinear wave equation on an unbounded domain.....LEONARDO TOLOMEO	1402
A nonamenable “factor” of a Euclidean space ÁDÁM TIMÁR	1427
Additive functionals as rough paths JEAN-DOMINIQUE DEUSCHEL, TAL ORENSHTEIN AND NICOLAS PERKOWSKI	1450
The contact process on random hyperbolic graphs: Metastability and critical exponents AMITAI LINKER, DIETER MITSCHE, BRUNO SCHAPIRA AND DANIEL VALESIN	1480
Anti-concentration for subgraph counts in random graphs JACOB FOX, MATTHEW KWAN AND LISA SAUERMANN	1515
The annealed spectral sample of Voronoi percolation.....HUGO VANNEUVILLE	1554