## THE ANNALS of PROBABILITY

## AN OFFICIAL JOURNAL OF THE INSTITUTE OF MATHEMATICAL STATISTICS

## Articles

Euler characteristics for Gaussian fields on manifolds

JONATHAN E. TAYLOR AND ROBERT J. ADLER	533
On the splitting-up method and stochastic partial differential equations  ISTVÁN GYÖNGY AND NICOLAI KRYLOV	564
On asymptotic errors in discretization of processes	
J. JACOD, A. JAKUBOWSKI AND J. MÉMIN	592
Second phase changes in random <i>m</i> -ary search trees	600
and generalized quicksort: Convergence rates	609
On extremal distributions and sharp $L_p$ -bounds for sums of multilinear forms	
VICTOR H. DE LA PEÑA, RUSTAM IBRAGIMOV AND SHATURGUN SHARAKHMETOV	630
	030
Darling–Erdős theorem for self-normalized sums MIKLÓS CSÖRGŐ, BARBARA SZYSZKOWICZ AND QIYING WANG	676
Exact rates of convergence for a branching particle approximation to the solution of the Zakai equation DAN CRISAN	693
The $L_1$ -norm density estimator process	
EVARIST GINÉ, DAVID M. MASON AND ANDREI YU. ZAITSEV	719
Yang-Mills fields and random holonomy along Brownian bridges	
MARC ARNAUDON AND ANTON THALMAIER	769
Brownian motion with singular driftRICHARD F. BASS AND ZHEN-QING CHEN	791
An assignment problem at high temperature MICHEL TALAGRAND	818
A characterization of <i>m</i> -dependent stationary infinitely divisible sequences with	849
applications to weak convergence D. HARRELSON AND C. HOUDRÉ	049
New perspectives on Ray's theorem for the local times of diffusions  M. B. MARCUS AND J. ROSEN	882
	002
Mean absolute deviations of sample means and minimally concentrated binomials Lutz Mattner	914
Strong approximation of maxima by extremal processes	
I. Fahrner and U. Stadtmüller	926
Noncommutative Burkholder/Rosenthal	0.40
inequalities MARIUS JUNGE AND QUANHUA XU	948
A limit theorem for the contour process of	006
conditioned Galton–Watson trees	996
Nondifferentiability of the time constants of first-passage percolation  J. MICHAEL STEELE AND YU ZHANG	1028
Quadratic functionals and small ball probabilities for the <i>m</i> -fold integrated Brownian motionXIA CHEN AND WENBO V. LI	1052
The first exit time of a Brownian motion from an unbounded convex domain	
Measuring the range of an additive Lévy process	
DAVAR KHOSHNEVISAN, YIMIN XIAO AND YUQUAN ZHONG	1097
Correction	
Central limit theorems for the Wasserstein distance	
between the empirical and the true distributions	1142
Eustasio del Barrio, Evarist Giné and Carlos Matrán	1142