

THE ANNALS of PROBABILITY

*AN OFFICIAL JOURNAL OF THE
INSTITUTE OF MATHEMATICAL STATISTICS*

The 1991 Wald Memorial Lectures

Superprocesses and partial differential equations	E. B. DYNKIN	1185
---	--------------	------

Articles

The spectral measure of a regular stationary random field with the weak or strong commutation property	RAY CHENG	1263
Limit of the smallest eigenvalue of a large dimensional sample covariance matrix	Z. D. BAI AND Y. Q. YIN	1275
A normal limit theorem for moment sequences		
FU-CHUEN CHANG, J. H. B. KEMPERMAN AND W. J. STUDDEN	1295	
Von Mises conditions revisited	MICHAEL FALK AND FRANK MAROHN	1310
Local characteristics, entropy and limit theorems for spanning trees and domino tilings via transfer-impedances	ROBERT BURTON AND ROBIN PEMANTLE	1329
Singular diffusion limits of a class of reversible self-organizing particle systems		
J. M. CARLSON, E. R. GRANNAN, G. H. SWINDLE AND J. TOUR	1372	
An ordered phase with slow decay of correlations in continuum $1/r^2$ Ising models	LUIZ RENATO G. FONTES	1394
Laws of large numbers for a cellular automaton	HAIYAN CAI AND XIAOLONG LUO	1413
Weak convergence for reversible random walks in a random environment	DANIEL BOIVIN	1427
The "stable roommates" problem with random preferences	BORIS PITTEL	1441
A continuous version of De Finetti's theorem	L. ACCARDI AND Y. G. LU	1478
Limit theorems for U -processes	MIGUEL A. ARCONES AND EVARIST GINÉ	1494
Convolution of unimodal distributions can produce any number of modes	KEN-ITI SATO	1543
Hilbert space representations of m -dependent processes	VINCENT DE VALK	1550
The transition function of a Fleming-Viot process	S. N. ETHIER AND R. C. GRIFFITHS	1571
A necessary and sufficient condition for the Markov property of the local time process	NATHALIE EISENBAUM AND HAYA KASPI	1591
Local times for superdiffusions	STEPHEN M. KRONE	1599
Martingale functional central limit theorems for a generalized Pólya urn	RAÚL GOUET	1624
Some limit theorems in log density	I. BERKES AND H. DEHLING	1640
Strong large deviation and local limit theorems		
NARASINGA RAO CHAGANTI AND JAYARAM SETHURAMAN	1671	
Moderately large deviations and expansions of large deviations for some functionals of weighted empirical process	TADEUSZ INGLOT AND TERESA LEDWINA	1691
Strong approximation for set-indexed partial-sum processes, via KMT constructions II	EMMANUEL RIO	1706
Pathwise nonlinear filtering on abstract Wiener spaces	OGNIAN ENCHEV	1728

Vol. 21, No. 3—July 1993

