## THE ANNALS of **PROBABILITY**

## AN OFFICIAL JOURNAL OF THE Institute of Mathematical Statistics

Articles	
A shape theorem for epidemics and forest fires with finite range	
interactions	
BAO GIA NGUYEN AND WEI-SHIH YANG Large deviations and maximum entropy principle for interacting random fields	1809
on $\mathbb{Z}^a$	1845
transition regime, I ERWIN BOLTHAUSEN AND JEAN-DOMINIQUE DEUSCHEL Equivalent mixing conditions for random fields	1876 1921
RAISA EPSTEIN FELDMAN AND SVETLOZAR RACHEV Ergodicity of critical spatial branching processes in low dimensions	1927
MAURY BRAMSON, J. T. COX AND ANDREAS GREVEN Strong limit theorems for large and small increments of $l^P$ -valued	1946
Gaussian processes	1958
valued random variablesXIA CHEN Toward a general law of the iterated logarithm in Banach spaceUWE EINMAHL The distribution of vector-valued Rademacher series	1991 2012
S. J. Dilworth and S. J. Montgomery-Smith	2046
Exchangeably weighted bootstraps of the general empirical process	2052
JENS PRÆSTGAARD AND JON A. WELLNER Finite range random walk on free groups and homogeneous trees STEVEN P. LALLEY Comparison techniques for random walk on finite groups	2053 2087
Persi Diaconis and Laurent Saloff-Coste	2131
On 1-dependent processes and k-block factors ROBERT M. BURTON, MARK GOULET AND RONALD MEESTER Nonlinear transformations on the Wiener space	2157 2169 2189 2200
MARK I. FREIDLIN AND ALEXANDER D. WENTZELL  Invariant measures and evolution equations for Markov processes  characterized via Martingale problems	2215
ABHAY G. BHATT AND RAJEEVA L. KARANDIKAR	2246
Book Review	
Review of Probability Approximations via the Poisson Clumping Heuristic by D. Aldous and Poisson Approximations by A. D. Barbour, L. Holst and S. Janson Richard Arratia and Simon Tavaré	2269

Vol. 21, No. 4—October 1993