THE ANNALS

of APPLIED PROBABILITY

AN OFFICIAL JOURNAL OF THE INSTITUTE OF MATHEMATICAL STATISTICS

Special Invited Paper

Metastability in the Greenberg-Hastings model Robert Fisch, Janko Gravner and David Griffeath	935
Articles	
The QNET method for two-moment analysis of closed manufacturing systems J. G. Dai and J. M. Harrison	968
Indices for families of competing Markov decision processes with influence	
Concentral limit theorems in geometrical probability K. D. GLAZEBROOK	1013
FLORIN AVRAM AND DIMITRIS BERTSIMAS	1033
Asymptotic critical value for a competition model RICHARD DURRETT AND RINALDO SCHINAZI	1047
A variational characterization of the speed of a one-dimensional self-repellent	
random walk Andreas Greven and Frank den Hollander The integrability of the square exponential transportation cost	1067
M. TALAGRAND AND J. E. YUKICH	1100
A non-Markovian model for cell population growth: tail behavior and duration of the growth process Mathisca C. M. De Gunst and Willem R. van Zwet	1112
A new Martingale in branching random walk	1145
Greedy lattice animals I: upper bounds J. Theodore Cox, Alberto Gandolfi, Philip S. Griffin and Harry Kesten	1151
An inequality for greedy lattice animals SUNGCHUL LEE	1170
Products of 2 × 2 random matrices	1189
references	1219
Orderings for positive dependence on multivariate empirical distributions MAGDY H. METRY AND ALLAN R. SAMPSON	1241
MAGDI II. MEHRI MID IMMINITOR	

Vol. 3, No. 4—November 1993