

THE ANNALS of PROBABILITY

AN OFFICIAL JOURNAL OF
THE INSTITUTE OF MATHEMATICAL STATISTICS

Special Invited Paper

Polymers as self-avoiding walks	KARL F. FREED	537
Discussion on Professor Freed's paper by Richard S. Ellis and Wayne W. Barrett		

Articles

The central limit theorem for Markov chains	THOMAS G. KURTZ	557
Characterizing all diffusions with the $2M\text{-}X$ property	L. C. G. ROGERS	561
Markov functions	L. C. G. ROGERS AND J. W. PITMAN	573
Some limit theorems for percolation processes with necessary and sufficient conditions	J. THEODORE COX AND RICHARD DURRETT	583
Circuit processes	J. MACQUEEN	604
The multidimensional central limit theorem for arrays normed by affine transformations	MARJORIE G. HAHN AND MICHAEL J. KLASS	611
Convergence to a stable distribution via order statistics	RAOUL LEPAGE, MICHAEL WOODROOFE AND JOEL ZINN	624
A converse to the Spitzer-Rosén theorem	PETER HALL	633
Transitivity in problems of optimal stopping	ALBRECHT IRLE	642
On convergence of the coverage by random arcs on a circle and the largest spacing	LARS HOLST	648
Gaussian measurable dual and Bochner's theorem	HIROSHI SATO	656

Short Communications

Bochner's theorem on measurable linear functionals of a Gaussian measure	YOSHIAKI OKAZAKI	663
Distributional results for random functionals of a Dirichlet process	ROBERT C. HANNUM, MYLES HOLLANDER AND NAFTALI LANGBERG	665
An invariance principle for certain dependent sequences	C. M. NEWMAN AND A. L. WRIGHT	671
L_∞ -bound for asymptotic normality of weakly dependent summands using Stein's result	HIROSHI TAKAHATA	676
A remainder term estimate for the normal approximation in classical occupancy	GUNNAR ENGLUND	684
Weighted sums of independent identically distributed random variables	RALF ULRICH	693
Growth of random walks conditioned to stay positive	GRANT A. RITTER	699
Selecting universal partitions in ergodic theory	JOHN C. KIEFFER AND MAURICE RAHE	705
Distribution of symmetric stable laws of index 2^{-n}	SHASHANKA S. MITRA	710

Vol. 9, No. 4—August 1981