THE ANNALS OF PROBABILITY

VOLUME 4

DECEMBER 1976

No. 6

Articles
An optimal stopping problem for sums of dichotomous random variables H. Chernoff and A. J. Petkau
Almost sure convergence for the Robbins-Monro process C. A. Goodsell and D. L. Hanson
Sequential compactness of certain sequences of Gaussian random variables with values in $C[0, 1]$ GIAN-CARLO MANGANO
The equivalence of absorbing and reflecting barrier problems for sto- chastically monotone Markov processes
Spreading of sets in product spaces and norm improvement of the Markov operator
Random overlapping intervals—a generalization of Erlang's loss formula David Oakes
Distribution estimates for functionals of the two-parameter Wiener process Victor Goodman
Locally finite random sets: Foundations for point process theory B. D. RIPLEY
Short Communications
The foundations of stochastic geometryB. D. Ripley
On stationarity and superposition of point processesB. D. RIPLEY
Weak convergence of the Rao-Blackwell estimator of a distribution function B. B. Bhattacharyya and P. K. Sen
On the unimodality of stable densities
On the maximal deviation of k -dimensional density estimates M. Rosenblatt
Purely atomic structures supporting undominated and nonuniformly integrable martingales
On convexity of measures
Convergence of some expected first passage timesNaomi B. Robbins
The IFRA closure problemHENRY W. BLOCK AND T. H. SAVITS
Noninvariance of \bar{d} -convergence of k -step Markov approximations Gideon Schwarz

Recurrence for products of renewal sequences.......Gérard Letac

CATALOG OF PUBLICATIONS OF THE INSTITUTE OF MATHEMATICAL STATISTICS

ANNALS INDEX

The Annals of Mathematical Statistics, Index to Volumes 1–31, 1930–60, edited by J. Arthur Greenwood, Ingram Olkin and I. Richard Savage, 1962, Non-member Subscribers Cost—\$15.00, Members Cost—\$7.00.

Order directly from Robert Elashoff, Treasurer, Business Office, 3401 Investment Blvd., Suite 6, Hayward, California 94545.

STATISTICAL RESEARCH MONOGRAPHS

This series is sponsored jointly by the Institute of Mathematical Statistics and the University of Chicago. Discount to members of IMS is 20 percent.

The passage problem for a stationary Markov chain by J. H. B. Kemperman, 1961, 127 pp. List price—\$7.00.

Statistical inference for Markov processes by Patrick Billingsley, 1961, 75 pp. List price—\$4.95.

Sequential identification and ranking procedures by Robert E. Bechhofer, Jack Kiefer and Milton Sobel, 1968, xvii + 420 pp. List price—\$20.00.

The analysis of frequency data by Shelby J. Haberman, 1974, 432 pp. List price—\$20.00.

Order directly from the University of Chicago Press, 11030 S. Langley Ave., Chicago, Illinois 60637.

SELECTED TABLES IN MATHEMATICAL STATISTICS

This series of volumes is prepared by the Committee of Mathematical Tables of the Institute of Mathematical Statistics and is published by the American Mathematical Society for the IMS. Discount to members of IMS is 25 percent. Selected tables in mathematical statistics, Vol. I, edited by H. L. Harter and D. B. Owen, 1970, vi + 405 pp. \$13.20.

Selected tables in mathematical statistics, Vol. II, edited by H. L. Harter and D. B. Owen, 1974, viii + 388 pp. \$16.40.

Selected tables in mathematical statistics, Vol. III, edited by H. L. Harter and D. B. Owen with J. M. Davenport, viii + 424 pp. \$21.60.

Send prepaid orders directly to the American Mathematical Society, P. O. Box 1571, Providence, Rhode Island 02901, Attention: Sales Department.