

Subscription rates

Subscription rates (post free) for the 1982 volume of *Advances* are as follows:

US\$108.00, \$A93.00, £45.00 for libraries and institutions;

US\$36.00, \$A31.00, £15.00 for individuals belonging to a recognised scientific society.

All enquiries about *Advances*, as well as subscriptions, should be sent to the Executive Editor, Miss M. Hitchcock, Department of Probability and Statistics, The University, Sheffield S3 7RH, England. The price of back numbers varies from volume to volume, and enquiries should be sent to the Executive Editor. Cheques, money orders, etc., should be made out to **Applied Probability**; cheques on U.S., U.K. and Australian banks will be acceptable.

Notes for contributors

Submission of papers.

It is a condition of publication in *Advances in Applied Probability* that papers shall not previously have appeared elsewhere, and will not be reprinted without the written permission of the Trust. It is the general policy of *Advances* not to accept for publication papers which cannot appear in print within 15 months of the date of receipt of the final version. Authors will receive 50 reprints of their papers free, and joint authors a proportional share of this number. Additional reprints will be provided at cost.

Papers should be written in English or French; papers in other languages may be accepted by the Editors, but will appear (subject to the author's agreement) in English or French translation in *Advances*. Scripts should be typewritten, using double spacing, and at least one copy should be on one side of the paper only. Each paper should be accompanied by

(i) a short abstract of approximately 4–10 lines giving a non-mathematical description of the subject matter and results;

(ii) a list of keywords detailing the contents for the purpose of computerised information retrieval.

Authors are advised to consult *The Author's Guide to the Applied Probability Journals* when preparing papers for submission. A copy of this guide may be obtained on application to the Applied Probability Office.

Authors are requested to send three copies of their submissions to the Applied Probability office in Sheffield. If authors consider their papers are in the particular field of expertise of one of the editors listed on the inside front cover, they may submit two copies of the paper to the editor concerned. One copy, with a copy of the covering letter, should then be sent to the Applied Probability office in Sheffield so that complete records can be kept there. Authors overseas are asked to ensure that their submissions are sent by airmail. The Editor-in-Chief and the Applied Probability office are in direct contact by telex and full details of all papers submitted to Sheffield are available to Professor Gani in Lexington.

Copyright. The copyright of all published papers shall be vested in the Trust. When a paper is accepted for publication, the Trust requests the author(s) to sign a form assigning copyright to the Trust. Failure to do this promptly may delay or prevent publication.

The appearance of the code at the top of the first page of a paper in this journal indicates the Trust's consent that copies of the article may be made for personal or internal use by the copier or his specific clients. This consent is given on the condition, however, that the copier pay the stated per-copy fee through the Copyright Clearance Center, Inc., P.O. Box 765, Schenectady, New York 12301, U.S.A. for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law. This consent does not extend to other kinds of copying for general distribution, for advertising for promotional purposes, for creating new collective works, or for resale.

- 195 UNESCO MEETING ON SYSTEMS THEORY, CAMBRIDGE
31 March–2 April 1981
- 206 G. A. WATTERSON. Mutant substitutions at linked nucleotide sites
- 225 R. C. GRIFFITHS. The number of alleles and segregating sites in a sample from the infinite-alleles model
- 240 JAN GRANDELL. Mathematical models for the variation of air-pollutant concentrations
- 257 D. J. DALEY AND J. HASLETT. A thermal energy storage process with controlled input
- 272 GÉRARD LETAC. Les fonctions sphériques d'un couple de Gelfand symétrique et les chaînes de Markov
- 295 G. FAYOLLE, P. J. B. KING AND I. MITRANI. The solution of certain two-dimensional Markov models
- 309 VICTOR C. PESTIEN. An extended Fatou equation and continuous-time gambling
- 324 JONATHAN P. COHEN. The penultimate form of approximation to normal extremes
- 340 JOSEPH D. PETRUCCELLI. Full-information best-choice problems with recall of observations and uncertainty of selection depending on the observation
- 359 C. F. KLEBANER. Branching random walk in varying environments
- 368 R. L. TWEEDIE. Operator-geometric stationary distributions for Markov chains, with application to queueing models
- 392 P. J. BROCKWELL, S. I. RESNICK AND R. L. TWEEDIE. Storage processes with general release rule and additive inputs
- 434 B. NATVIG. Two suggestions of how to define a multistate coherent system