

JOURNAL OF APPLIED PROBABILITY

VOLUME 29 NUMBER 1 MARCH 1992



EDITOR-IN-CHIEF C. C. HEYDE

FOUNDING EDITOR (1964-1989) J. GANI

JOURNAL OF APPLIED PROBABILITY

This is an international journal published by the Applied Probability Trust in association with the London Mathematical Society; it contains research papers and notes on applications of probability theory to the biological, physical, social and technological sciences. An annual volume of approximately 800 pages is published in four issues appearing in March, June, September and December.

EDITORIAL COMMITTEE

Editor-in-Chief C. C. HEYDE (Australian National University)

Coordinating Editors N. H. BINGHAM (Royal Holloway and
Bedford New College, London)
M. F. NEUTS (University of Arizona)

Executive Editor MAVIS HITCHCOCK (University of Sheffield)

EDITORS

R. J. ADLER (Technion, Haifa)
A. J. BADDELEY (CWI, Amsterdam)
A. D. BARBOUR (University of Zurich)
P. BREMAUD (Ecole Polytechnique, Palaiseau)
S. CAMBANIS (University of North Carolina)
C. CANNINGS (University of Sheffield)
E. ÇINLAR (Princeton University)
P. J. DONNELLY (Queen Mary and Westfield College,
London)
P. EMBRECHTS (ETH, Zurich)
E. J. HANNAN (Australian National University)
A. HORDIJK (University of Leiden)
S. JANSON (Uppsala University)
I. KARATZAS (Columbia University)
D. G. KENDALL (University of Cambridge)
G. KERSTING (University of Frankfurt)
J. F. C. KINGMAN (University of Bristol)
C. M. NEWMAN (Courant Institute, New York)
K. R. PARTHASARATHY (Indian Statistical Institute,
New Delhi)
S. I. RESNICK (Cornell University)
R. L. SMITH (University of North Carolina)
J. L. TEUGELS (Catholic University, Louvain)
D. VERE-JONES (University of Wellington)
W. VERVAAT (Catholic University, Nijmegen)
W. WHITT (AT&T Bell Laboratories, Murray Hill, NJ)
P. WHITTLE (University of Cambridge)

TECHNICAL EDITOR KATHLEEN M. LYLE (University of Sheffield)

ADDRESS FOR CORRESPONDENCE

All correspondence relating to the submission of papers should be sent to:
The Executive Editor,
Applied Probability,
Department of Probability and Statistics,
The University,
Sheffield S3 7RH, England.

Subscription rates and notes for contributors are to be found on the inside back cover.

JOURNAL OF APPLIED PROBABILITY

VOLUME 29

1992



EDITOR-IN-CHIEF C. C. HEYDE
FOUNDING EDITOR (1964–1989) J. GANI

Published by the
Applied Probability Trust
in association with the
London Mathematical Society

© 1992

ISSN 0021-9002

Authorisation to photocopy items for internal or personal use, or the internal or personal use of specific clients, is granted by the Applied Probability Trust for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the base fee of \$00.50 per copy, plus .10 per page is paid directly to CCC, 27 Congress St., Salem, MA 01970, U.S.A. 0021-9002/92 \$00.50+.10.