INSTRUCTIONS FOR CONTRIBUTORS

CONTRIBUTIONS. Contributions are welcomed from all countries and must be written in English.

MANSUCRIPTS. Three copies of manuscripts should be sent to:

SHELDON ROSS, Editor Probability in the Engineering and Informational Sciences College of Engineering Department of Industrial Engineering and Operations Research University of California, Berkeley Berkeley, CA 94720, U.S.A. Tel. (415) 642-3615

Authors should also retain one copy of their manuscript for proof checking. Manuscripts sent to the Editor cannot be returned

Manuscripts are accepted for review with the understanding that the same work has not been and will not be published, nor is presently submitted elsewhere. While under editorial review, it is the responsibility of the author to keep the Editor informed about submissions, publication plans and actual publication of related research or abstracts thereof in other outlets, including journals, review publications, journals in other disciplines, conference proceedings, and published dissertations. It is also understood that all persons listed as authors have given their approval for the submission of the paper and that any person cited as a source of personal communication has given his/her approval for such citation; written authorization may be required at the Editor's discretion. An author is required to obtain written permission for material for which he/she does not own copyright.

MANUSCRIPT ORDER. Manuscripts should be arranged as follows:

1. Cover sheet	6. References
2. Title page	7. Appendix
(Page 1)	(optional)
3. Text	8. Tables with
4. Acknowledgments	titles (optional)
(optional)	9. Figures with
5. Notes (optional)	captions (optional)

PREPARATION OF MANUSCRIPT. The entire manuscript, including all notes and references, must be typed, double-spaced on $8\frac{1}{2} \times 11$ inch or A4 paper leaving wide margins for copyediting. Manuscript pages should be numbered consecutively and include an unnumbered manuscript cover sheet. The cover sheet should list (a) the title of the paper in all uppercase letters, (b) a complete mailing address

(including name) where proofs can be mailed, (c) name and telephone number of the lead author, (d) an abstract of 50 words or less, and (e) a short title of 50 characters or less to be used as a running head. Page 1 should provide the article title, in all upper case letters, and all authors' names, as they should appear for publication, as well as complete addresses of affiliation. Any footnotes to the title or authors should be listed at the bottom of Page 1, as well as any recognition of Grant or other support. Acknowledgments should be listed in a separate section directly preceding the Notes (if there are any) or Reference sections.

EQUATIONS. All equations must be typewrit-ten and numbered. The equation numbers should appear in parentheses in the right-hand margin. Text references to equations should take the following form: "For a further discussion of this material, see Eq. (3.2)." All superscripts and subscripts in equations must be clearly typed above and below the line, respectively. End of proof signposts should appear as such:

TABLES AND FIGURES. Tables and Figures should be numbered consecutively and appear as one unit after the Reference section. All tables must have titles and all figures must have captions. All tables and figures must have at least one text reference that takes the following form: "For a different view of this matter see Table 1 and Figure 3." Tables may have footnotes that come directly after the body of the table. Table source notes should postcede table footnotes.

Figures must come "ready for reproduction." Figures may be either drawn by a professional artist or computer-generated and outputted on a Laser printer. The publisher cannot redraw any figures unless the author is willing to pay for the cost of such work. All figures should remain legible at a 50% reduction in size.

NOTES. When more than a simple reference citation is needed, notes may be used. In general, however, they should be avoided.

REFERENCES AND TEXT CITATIONS. References should be cited in the text using the author's (s') last name and the reference number in brackets. If there are more than two authors mentioned, the first author need only be listed along with the "et al." notation. Complete bibliographic information should be listed in the Reference section. In this section, references should be listed alphabetically. The first reference that appears in the alphabetical list should be numbered "1" and subsequent references should be numbered accordingly. Below are examples of both text citations and a sample reference list.

Smith and Wollensky [4] have ascertained that the stress factor on metal parts varies with the amount of heavy metal ions included in such metal composition. According to Bishop et al. [1]. this variance takes on an exponential factor not unlike that shown in the Mathew's Variable Rate Differential (see Mathew [3, p. 45]). Wing stress tests conducted by the Max Einschuss Laboratory [2] have verified such findings

References

- 1. Bishop, A.H., Brown, I.B., & Baker, Z.T. (1978). A review of the limits of stressography. International Journal of Metal Stress 61:455-497.
- 2. Einschuss, M. (1987). Laboratory results: 1978-1986. New York: Cambridge University Press.
- 3. Mathhew, P.B. (1982). A new view on metal stress: The eigenordnung. In P.J. Tucker & S.M. Leder (eds.), A collection of new wave engineering. Peabody, MA .: Autumn-Orange Press, pp. 104-112.
- 4. Smith, T.D. & Wollensky, A.R. (1987). Certain new factors in metal stress research. Unpublished doctoral dissertation, University of Nevada, Las Vegas. (Available on request from A.R. Wollensky, 724 Cameron Drive, Cleveland, OH 44202.)

Journal names must not be abbreviated.

For general stylistic questions, The Chicago Manual of Style (13th edition) should be used.

COPYEDITING AND PROOFREADING. The publisher reserves the right to copyedit and to proofread all articles accepted for publication. Authors will be asked to review proofs of their articles to correct any typographical or technical errors

OFFPRINTS. The lead author will receive 25 free offprints of the published article. An order form will be enclosed with page proofs to facilitate the ordering of additional offprints. After the article is in print, only reprints, in quantities of 50 copies or more, may be ordered by contacting the Journals Production Department (see inside front cover).

COPYRIGHT ASSIGNMENT. Authors will be required to transfer their copyright, on certain conditions, to Cambridge University Press.

PROBABILITY in the Engineering and Informational Sciences

1989

Volume 3

Number 3

CONTENTS

Replication Schemes for Limiting Expectations Bennett L. Fox and Peter W. Glynn	299
Estimating the Mean Number of Renewals by Simulation Sheldon M. Ross	319
Scheduling Multiclass Single Server Queueing Systems to Stochastically Maximize the Number of Successful Departures Rhonda Righter and J. George Shanthikumar	323
Minimum Variance Unbiased Estimation of Software Reliability Tapan K. Nayak	335
Calculation of the Availability of a Two-Unit Parallel System with Cold Standby: An Illustration of the Embedding Technique Frank A. van der Duyn Schouten and Tjerk Ronner	341
Crossing Properties of Mixture Distributions Philip J. Boland, Frank Proschan, and Y. L. Tong	355
Concepts of Setwise Dependence Devendra Chhetry, Allan R. Sampson, and George Kimeldorf	367
On Repair Age and Residual Repair Life in the Minimal Repair Process S. N. U. A. Kirmani and Ramesh C. Gupta	381
Policy Improvement and the Newton-Raphson Algorithm for Renewal Reward Processes J. M. McNamara	393
A Class of Decision Processes Showing Policy-Improvement/ Newton-Raphson Equivalence P. Whittle	397
A Quasi-Reversibility Approach to the Insensitivity of Generalized Semi-Markov Processes Panagiotis Konstantopoulos and Jean Walrand	405
A Functional Equation Arising in a Queue with a Gating Mechanism David L. Jagerman and Bhaskar Sengupta	417
Approximating the Stochastic Network by Its M Shortest Paths Bajis Dodin	435
Instructions for Contributors (inside back cover)	

ISSN 0269-9648 ©1989 Cambridge University Press Printed in the United States of America