

CAMBRIDGE

Outstanding Titles from Cambridge!

An Outline of Ergodic Theory

Steven Kalikow and Randall McCutcheon

Cambridge Studies in Advanced Mathematics

\$59.00; Hb: 978-0-521-19440-2; 160 pp.

Multidimensional Stochastic Processes as Rough Paths Theory and Applications

Peter K. Friz and Nicolas B. Victoir

Cambridge Studies in Advanced Mathematics

\$85.00; Hb: 978-0-521-87607-0; 675 pp.

Brownian Motion

Peter Mörters and
Yuval Peres

Cambridge Series in Statistical and Probabilistic Mathematics

\$65.00; Hb: 978-0-521-76018-8;
420 pp.



Stochastic Control and Mathematical Modeling

Applications in Economics

Hiroaki Morimoto

Encyclopedia of Mathematics and its Applications

\$110.00; Hb: 978-0-521-19503-4; 344 pp.

Convex Optimization in Signal Processing and Communications

Edited by Daniel P. Palomar
and Yonina C. Eldar

\$85.00; Hb: 978-0-521-76222-9; 512 pp.

An Introduction to Random Matrices

Greg W. Anderson,
Alice Guionnet, and
Ofar Zeitouni

*Cambridge Studies in
Advanced Mathematics*

\$65.00; Hb: 978-0-521-19452-5;
506 pp.



Epidemics and Rumours in Complex Networks

Moez Draief and
Laurent Massoulié

*London Mathematical
Society Lecture Note Series*

\$45.00; Pb: 978-0-521-73443-1;
130 pp.



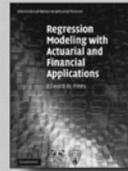
New Titles in the *International Series on Actuarial Science!*

Regression Modeling with Actuarial and Financial Applications

Edward W. Frees

*International Series on
Actuarial Science*

\$140.00; Hb: 978-0-521-76011-9
\$55.00; Pb: 978-0-521-13596-2;
584 pp.



Nonlife Actuarial Models Theory, Methods and Evaluation

Yiu-Kuen Tse

International Series on Actuarial Science

\$65.00; Hb: 978-0-521-76465-0; 540 pp.

Actuarial Mathematics for Life Contingent Risks

David C. M. Dickson, Mary R. Hardy,
and Howard R. Waters

International Series on Actuarial Science

\$65.00; Hb: 978-0-521-11825-5; 510 pp.

Prices subject to change.

www.cambridge.org/us/mathematics
800.872.7423



CAMBRIDGE
UNIVERSITY PRESS

INSTRUCTIONS FOR CONTRIBUTORS

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

MANUSCRIPTS. Three copies of manuscripts should be sent to:

SHELDON ROSS, Editor
Probability in the Engineering and Informational Sciences
Epstein Dept. of Industrial and Systems Engineering
University of Southern California
3715 McClintock Ave.
Los Angeles, CA 90089-0193, U.S.A.
E-mail: smross@usc.edu

Authors should also retain one copy of the manuscript for proof checking as manuscripts sent to the Editor cannot be returned. Before an issue is typeset, the lead author of each article will be asked to send a LaTeX file of the final revised version to the PEIS Project Manager (as an e-mail attachment).

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 (starred items are optional):

- | | |
|------------------------|---------------------------|
| 1. Title Page (Page 1) | *6. Appendix(es) |
| 2. Abstract | *7. Footnotes |
| 3. Text | *8. Tables with titles |
| *4. Acknowledgments | *9. Figures with captions |
| 5. References | |

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. The title page should list (a) the title of the paper in all uppercase letters, (b) an e-mail address for the contact author. This author will be asked to provide a LaTeX file of the final revised version of the manuscript. (Later, proofs and an offprint order form will be sent to this e-mail address as PDF files), (c) a short title of 50 characters or less to be used as a running head, and (d) all authors' names, affiliations, and e-mail addresses as they should appear for publication. Any footnotes to the authors should be listed on this page. An abstract of 100 words or less should appear here or on the following page and should be clearly differentiated from the text. (Acknowledgments and recognition of grants or other support should be listed in a separate section following the text.)

EQUATIONS. All equations must be typewritten and numbered. Equation numbers should appear in parentheses in the right-hand margin. Text references to equations 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 follow directly after the body of the table. Table source notes should follow table footnotes.

Figures must be submitted ready for reproduction. Authors are encouraged to submit figures in electronic form, preferably TIFF (line drawings at least 600 dpi, gray scale at least 300 dpi) or EPS (with fonts embedded) format. Figures should be submitted as high-resolution files. TeX or LaTeX files of figures are not usable. TIFF, EPS, or PDF files must be provided for all figures. Figures should remain legible at a 50% reduction, and letters within a word should not touch one another. Labels on the figures should correspond to text notation as to italic or roman typeface, and superscripts and subscripts should be in superior and inferior positions.

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

REFERENCES AND TEXT CITATIONS. Complete bibliographic information should be given in the Reference section where references are to be listed alphabetically. The first reference that appears in the alphabetical list should be numbered "1" and subsequent references should be numbered accordingly. **All references must be cited in the text.** Use the author's last name and the reference number in brackets. For three authors, give all names at the first citation; subsequently use first author and "et al." 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. 110]). 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. Mathew, 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.

Journal names must not be abbreviated.

For general stylistic questions, *The Chicago Manual of Style* (14th edition) should be used.

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

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

PROBABILITY in the Engineering and Informational Sciences

Volume 24 2010 Number 2

CONTENTS

<i>The N-Network Model with Upgrades</i> Douglas G. Down and Mark E. Lewis	171
<i>Using Excursions to Analyze Simulation Output</i> James M. Calvin	201
<i>To Balance or Unbalance Load in Size-Interval Task Allocation</i> Mor Harchol-Balter and Rein Vesilo	219
<i>Equivalent Characterizations on Orderings of Order Statistics and Sample Ranges</i> Tiantian Mao and Taizhong Hu	245
<i>Aging Functions and Multivariate Notions of NBU and IFR</i> Fabrizio Durante, Rachele Foschi, and Fabio Spizzichino	263
<i>The Asymptotic Equipartition Property for Asymptotic Circular Markov Chains</i> Pingping Zhong, Weiguo Yang, and Peipei Liang	279
<i>Subexponential Interval Graphs Generated by Immigration-Death Processes</i> Naoto Miyoshi, Mariko Ogura, Takeya Shigezumi, and Ryuhei Uehara	289
<i>Variability for Carrier-Borne Epidemics and Reed-Frost Models Incorporating Uncertainties and Dependencies from Susceptibles and Infectives</i> Eva María Ortega and Laureano F. Escudero	303

Cambridge Journals Online

For further information about this journal please go to the journal website at:
journals.cambridge.org/pes



CAMBRIDGE
UNIVERSITY PRESS