

A S T I N

B U L L E T I N

The Journal of the ASTIN and AFIR Sections of the International Actuarial Association

CONTENTS

EDITORIAL

- | | |
|-----------------------|------------------------------------|
| EDITORS: | |
| Andrew Cairns | A. CAIRNS
Editorial Changes 333 |
| Paul Embrechts | Obituary 335 |

ARTICLES

- | | |
|---------------------------------|---|
| CO-EDITORS: | |
| Stephen Philbrick | M. KALUSZKA
Truncated Stop Loss as Optimal Reinsurance Agreement in One-period Models 337 |
| John Ryan | A.C.Y. NG, H. YANG
Lundberg-type Bounds for the Joint Distribution of Surplus Immediately Before and at Ruin under a Markov-modulated Risk Model 351 |
| EDITORIAL BOARD: | |
| Maria de Lourdes Centeno | A.Y. GOLUBIN
Pareto-optimal Contracts in an Insurance Market 363 |
| David Dickson | N. BÄUERLE, R. GRÜBEL
Multivariate Counting Processes: Copulas and Beyond 379 |
| Alois Gisler | M. DE LOURDES CENTENO, J. ANDRADE E SILVA
Applying the Proportional Hazard Premium Calculation Principle 409 |
| Marc Goovaerts | P. EMMS, S. HABERMAN
Pricing General Insurance Using Optimal Control Theory 427 |

WORKSHOP

- | | |
|--|-----|
| F. HELMS, C. CZADO, S. GSCHLÖBL
Calculation of LTC Premiums Based on Direct Estimates of Transition Probabilities | 455 |
| D. MANGO
Insurance Capital as a Shared Asset | 471 |

continued on next page

PEETERS

BOOK REVIEWS

F. DUFRESNE David C.M. Dickson – Insurance Risk and Ruin	487
A.M. DE MEYER P. Cizek, W. Härdle, R. Weron (Eds.) – Statistical Tools for Finance and Insurance	488

MISCELLANEOUS

Report on the 36th ASTIN Colloquium (Zürich) and the 15th AFIR Colloquium (Zürich)	491
---	-----