

Communications in Mathematical Physics

Volume 168 Number 2 1995

- Yu. M. Zinoviev *U(1) Gauge Theory on a Torus* 227
 U. Meyer *q-Lorentz Group and Braided Coaddition
 on q-Minkowski Space* 249
- S. E. Golowich, J. Z. Imbrie *The Broken Supersymmetry Phase of
 a Self-Avoiding Random Walk* 265
- L. A. Caffarelli, Y. Yang *Vortex Condensation in the Chern-Simons Higgs Model:
 An Existence Theorem* 321
- S. Dworkin, J.-I. Shieh *Deceptions in Quasicrystal Growth* 337
 T. Kerler *Mapping Class Group Actions on Quantum Doubles* 353
- A. L. Carey, H. Grundling, *Group Actions on C*-Algebras, 3-Cocycles and
 I. Raeburn, C. Sutherland Quantum Field Theory* 389
- L. Desvillettes *About the Regularizing Properties of the Non-cut-off
 Kac Equation* 417
- G. Schwarz, J. Śniatycki *Yang-Mills and Dirac Fields in a Bag, Existence and
 Uniqueness Theorems* 441

Indexed in *Current Contents*

Evaluated and abstracted for *PHYS* on *STN*

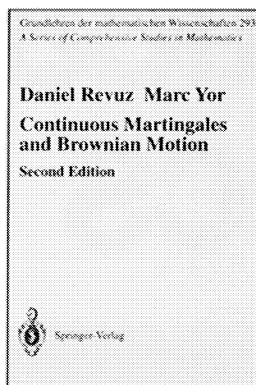
CMPHAY 168 (2) 227–454

March (II) 1995



Springer

Lively and impressive reading



D. Revuz, M. Yor
Continuous Martingales and Brownian Motion

2nd ed. 1994. XII, 539 pp. 8 figs.
(A Series of Comprehensive Studies in Mathematics, Vol. 293)
Hardcover DM 168,-
ISBN 3-540-57622-3

From the reviews:

"This is a magnificent book! Its purpose is to describe in considerable detail a variety of techniques used by probabilists in the investigation of problems concerning Brownian motion. ...This is THE book for a capable graduate student starting out on research in probability: the effect of working through it is as if the authors are sitting beside one, enthusiastically explaining the theory, presenting further developments as exercises, and throwing out challenging remarks about areas awaiting further research..."

Bulletin L.M.S.

Prices are subject to change without notice. In EC countries the local VAT is effective. Customers in EC countries, please state your VAT-Identification-Number if applicable. For information on prices in Austrian schillings and Swiss francs please consult the German book directory "VLB - Verzeichnis lieferbarer Bücher" or our general catalogue.

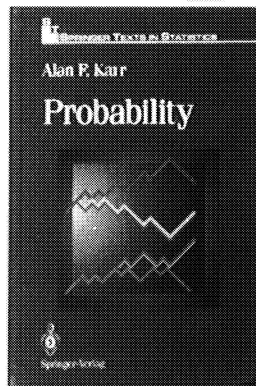
Springer-Verlag Heidelberger Platz 3, D-14197 Berlin, F.R. Germany 175 Fifth Ave., New York, NY 10010, USA Sixtapple House, Cotteshall Road, Godalming, Surrey GU7 3DJ, England
 26, rue des Carmes, F-75005 Paris, France 3-3, Hongo 3-chome, Bunkyo-ku, Tokyo 113, Japan Room 701, Mirror Tower, 61 Mody Road, Tsimshatsui, Kowloon, Hong Kong
 Avinguda Diagonal, 468-4^o C, E-08006 Barcelona, Spain Wesselényi u. 28, H-1075 Budapest, Hungary

M. Ledoux, M. Talagrand

Probability in Banach Spaces
Isoperimetry and Processes

1991. XII, 480 pp. 1 fig. (A Series of Modern Surveys in Mathematics, Vol. 23) Hardcover DM 180,-
ISBN 3-540-52013-9

New isoperimetric inequalities and random process techniques have recently appeared at the basis of the modern understanding of probability in Banach spaces. Based on these tools, this book presents a complete treatment of the main aspects of probability in Banach spaces (boundedness and continuity of random processes, integrability and limit theorems for vector valued random variables,...) and of some of their links to geometry of Banach spaces. Its purpose is to present some of the main aspects of this theory, from the foundations to the latest developments, treated with the most recent and updated tools.



A.F. Karr

Probability

1993. XXI, 282 pp. (Springer Texts in Statistics) Hardcover DM 68,-
ISBN 3-540-94071-5

This is a textbook which will provide students with a straightforward introduction to the mathematical theory of probability. The emphasis is on giving results in simple forms with clear proofs and to eschew more powerful forms of theorems which require technically involved proofs. Throughout there are a wide variety of exercises to illustrate and develop ideas in the text.



Springer

d&p 1916 MNT/E/1