Advances in Combinatorial Methods and Applications to Probability and Statistics /

Balakrishnan, N.

Birkhäuser Boston,
1996

Electronic books

Monografía

Título: Advances in Combinatorial Methods and Applications to Probability and Statistics edited by N. Balakrishnan

Editorial: Boston, MA Birkhäuser Boston 1996

Descripción física: 1 online resource (596 pages)

Mención de serie: Statistics for Industry and Technology

Contenido: I -- Lattice Paths and Combinatorial Methods -- 1 Lattice Paths and Faber Polynomials -- 2 Lattice Path Enumeration and Umbral Calculus -- 3 The Enumeration of Lattice Paths With Respect to Their Number of Turns -- 4 Lattice Path Counting Simple Random Walk Statistics, and Randomizations: An Analytic Approach -- 5 Combinatorial Identities: A Generalization of Dougall's Identity -- 6 A Comparison of Two Methods for Random Labelling of Balls by Vectors of Integers -- II -- Applications to Probability Problems -- 7 On the Ballot Theorems -- 8 Some Results for Two-Dimensional Random Walk -- 9 Random Walks on SL(2, F2) and Jacobi Symbols of Quadratic Residues -- 10 Rank Order Statistics Related to a Generalized Random Walk -- 11 On a Subset Sum Algorithm and Its Probabilistic and Other Applications -- 12 I and J Polynomials in a Potpourri of Probability Problems -- 13 Stirling Numbers and Records -- III -- Applications to Urn Models -- 14 Advances in Urn Models During The Past Two Decades -- 15 A Unified Derivation of Occupancy and Sequential Occupancy Distributions -- 16 Moments Binomial Moments and Combinatorics -- IV -- Applications to Queueing Theory -- 17 Nonintersecting Paths and Applications to Queueing Theory -- 18 Transient Busy Period Analysis of Initially Non-Empty M/G/l Queues -- Lattice Path Approach -- 19 Single Server Queueing System with Poisson Input: A Review of Some Recent Developments -- 20 Recent Advances in the Analysis of Polling Systems -- V -- Applications to Waiting Time Problems -- 21 Waiting Times and Number of Appearances of Events in a Sequence of Discrete Random Variables -- 22 On Sooner and Later Problems Between Success and Failure Runs -- 23 Distributions of Numbers of Success-Runs Until the First Consecutive k Successes in Higher Order Markov Dependent Trials -- 24 On Multivariate Distributions of Various Orders Obtained by Waiting for the r-th Success Run of Length k in Trials With Multiple Outcomes -- 25 A Multivariate Negative Binomial Distribution of Order k Arising When

Success Runs are Allowed to Overlap -- VI -- Applications to Distribution Theory -- 26 The Joint Energy Distributions of the Bose-Einstein and of the Fermi-Dirac Particles -- 27 On Modified g-Bessel Functions and Some Statistical Applications -- 28 A g-Logarithmic Distribution -- 29 Bernoulli Learning Models: Uppuluri Numbers -- VII -- Applications to Nonparametric Statistics -- 30 Linear Nonparametric Tests Against Restricted Alternatives: The Simple-Tree Order and The Simple Order -- 31 Nonparametric Estimation of the Ratio of Variance Components -- 32 Limit Theorems for M-Processes Via Rank Statistics Processes -- Author Index

Materia: Mathematics Combinatorial analysis Distribution (Probability theory) Combinatorial analysis Distribution (Probability theory) Mathematics

Punto acceso adicional serie-Título: Statistics for industry and technology

---

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es