

## Bibliography

- [At] Athreya, K. (1969). On a characteristic property of Polya's urn. *Stud. Sci. Math. Hung.* **4** 31 - 35.
- [AK] Athreya, K. and Karlin, S. (1968). Embedding of urn schemes into continuous time Markov branching processes and related limit theorems. *Ann. Math. Stat.* **39** 1801 - 1817.
- [Ar1] Arthur, B., Ermol'ev, Y. and Kaniovskii, Y. (1983). A generalized urn problem and its applications. *Cybernetics* **19** 61 - 71.
- [Ar2] Arthur, B., Ermol'ev, Y. and Kaniovskii, Y. (1987). Path dependent processes and the emergence of macro-structure. *Eur. J. of Oper. Res.* **30** 294 - 303.
- [Ba] Bayes, T. (1763) Reprinted in *Biometrika* **45** (1958) 293 - 315.
- [BM] Blackwell, D. and McQueen, J. (1973). Ferguson distributions via Pólya urn schemes. *Ann. Math. Stat.* **1** 353 - 355.
- [BB] Blum, J.R. and Brennan, M. (1980). On the strong law of large numbers for dependent random variables. *Israel J. Math.* **37** 241 - 245.
- [CD] Coppersmith, D. and Diaconis, P. (1987). Random Walk with reinforcement. *In preparation.*
- [Ch] Chernoff, H. (1952). A measure of asymptotic efficiency for tests of a hypothesis based on the sum of observations. *Ann. Math Stat.* **23** 493-507.
- [Co] Cohen, J. (1976). Irreproducible results in the breeding of pigs. *Bioscience* **26** 241 - 245.

- [Di] Diaconis, P. (1988). Recent progress on de Finetti's notions of exchangeability. Technical report No. 297: Dept. of Statistics, Stanford University, Stanford, CA.
- [DF] Diaconis, P. and Freedman, D. (1980). De Finetti's theorem for Markov chains. *Ann. Prob.* **8** 115 - 130.
- [EP] Eggenberger, F. and Pólya, G. (1923). Über die Statistik Verketter Vorgänge. *Zeitschrift für Angewandte Mathematik und Mechanik* **3** 279-289.
- [Fe] Feller, W. (1957, 1966). Introduction to probability theory and its applications, volumes 1 and 2. John Wiley & Sons: New York.
- [Fer] Ferguson, T. (1973). A Bayesian analysis of some nonparametric problems. *Ann. Stat.* **1** 209 - 230.
- [Fr1] Freedman, D. (1965). Bernard Friedman's urn. *Ann. Math. Stat* **36** 956 - 970.
- [Fr2] Friedman, B. (1949). A simple urn model. *Comm. Pure Appl. Math.* **2** 59 - 70.
- [GR] Goel, N. and Richter-Dyn, N. (1974). Stochastic models in biology. Academic Press: New York.
- [GY] Greenwood, M, and Yule, G. U. (1920). Inquiry into the nature of frequency distributions representative of multiple happenings with particular reference to the occurrence of multiple attacks of disease or of repeated accidents. *J. Royal Stat. Soc.* **83** 255 - 279.
- [Ha1] Harris, T. (1963). Theory of branching processes. Springer: Berlin.
- [Ha2] Hartman, P. (1964). Ordinary differential equations. John Wiley and Sons: New York.
- [HKV] Herkenrath, U., Kalin, D. and Vogel, W. Editors. (1983). Mathematical learning models – theory and algorithms. Lecture notes in statistics no. 20. Springer-Verlag: New York.
- [HLS] Hill, B., Lane, D. and Sudderth, W. (1980). A strong law for some generalized urn processes. *Ann. Prob.* **8** 214 - 226.
- [IT] Iosifescu, M. and Theodorescu, R. (1969). Random processes and learning. Springer-Verlag: New York.

- [Ja] Janardhan, K. (1982). Correlation between the numbers of two types of children in a family using the Markov-Polya model. *Math. Biosci.* **62** 123 - 136.
- [La] Lakshmivarahan, S. (1981). Learning algorithms theory and applications. Springer-Verlag: New York.
- [Ly] Lyons, R. (1988). Random walks and percolation on trees. Technical report: Dept. of Statistics, Stanford University, Stanford, CA.
- [ML] Mackerlo, D. and Lawson, H. (1982). Weather limitations on the application of dinoseb-in-oil for cane vigour control in raspberry. *Ann. Appl. Biol.* **100** 527 - 538.
- [Mi] Minikata, H. (1974). A geometrical aspect of multiplicity distribution and elastic diffraction scattering. *Prog. Theor. Phys.* **51** (5) 1481 - 1487 .
- [NH] Nevel'son, M. and Hasminskii, R. (1973). Stochastic approximation and recursive estimation. Translations of mathematical monographs vol. 47. American Mathematical Society: Providence.
- [No] Norman, M. F. (1972). Markov processes and learning models. Academic Press: New York.
- [Or] Ortega, J. (1987). Matrix theory: a second course. Plenum Press: New York.
- [Pe1] Pemantle, R. (1988). Phase transition in random reinforced walk and RWRE on trees. *Ann. Prob.* **16** to appear
- [Ra] Rao, B., Muzumdar, S., Waller, J. and Li, C. C. (1973). Correlation between the numbers of two types of children in a family. *Biometrics* **29** 271 - 279.
- [RM] Robbins, H. and Monro, S. (1951). A stochastic approximation method. *Ann. Math. Stat.* **22** 400 - 407.
- [St] Sternberg, S. (1958). On the structure of local homeomorphisms of Euclidean n-space, II. *Amer. J. Math.* **80** 623 - 631.
- [YMN] Yokoyama, K., Minakata, H. and Namiki, M. (1974). Multiplicity distribution model based on cluster assumption in high-energy hadronic collisions. *Prog. Theor. Phys.* **51** 212 - 223.