

## REFERENCES

1. S.S. Abhyankar, *Invariant Theory and Enumerative Combinatorics of Young Tableaux*, In "Geometric Invariance in Computer Vision", edited by J.L. Mundy and A. Zisserman, MIT Press, (1992) 45–76.
2. M. Abramowitz and I. Stegun, *Handbook of mathematical functions*, US Govt. Printing Office, 1972.
3. A.V. Aho, J.E. Hopcroft, and J.D. Ullman, *The design and analysis of computer algorithms*, Addison-Wesley, 1974.
4. D. Aldous, *Probability approximations via the Poisson clumping heuristic*, Springer Verlag, 1989.
5. W.A. Al-Salam, *Characterization theorems for orthogonal polynomials*, Proceedings: NATO-ASI, Orthogonal polynomials, Columbus, Ohio, 1989.
6. D. Arquès, J. Françon, M.T. Guichet and P. Guichet, *Comparison of algorithms controlling concurrent access to a database*, Proceedings: ICALP'86, Lecture Notes in Computer Science, **226** (1986) 11–20.
7. R.A. Askey and A. Regev, *Maximal degrees for Young diagrams in a strip*, Europ. J. Combinatorics, **5** (1984) 189–191.
8. R. Baeza-Yates, R. Casas, J. Diaz and C. Martinez, *On the average size of the intersection of binary trees*, SIAM J. Comput. **21**, 1 (1992) 24–32.
9. E.R. Canfield, *Central and local limit theorems for the coefficients of polynomials of binomial type*, Journal of Combinatorial Theory, Series A **23** (1977) 275–290.
10. T.S. Chihara, *An introduction to orthogonal polynomials*, Gordon & Breach, 1978.
11. K.L. Chung and R.J. Williams, *Introduction to stochastic integration*, Second Edition, Birkhäuser, 1990.
12. T. Cormen, C. Leiserson and R. Rivest, *Introduction to Algorithms*, M.I.T. Press, 1990.
13. J. Coulomb, *Sur les zéros des fonctions de Bessel considérées comme fonction de l'ordre*, Bull. Sci. Math., **60** (1936) 297–302.
14. J. Descloux and M. Tolley, *An accurate algorithm for computing the eigenvalues of polygonal membranes*, Comp. Meth. Appl. Eng., **39** (1983) 37–53.
15. P. Diaconis and D. Rockmore, *Efficient computation of the Fourier transform on finite groups*, Journal of the A.M.S., **3** (1990) 297–332.
16. P. Feinsilver, *Canonical representation of the Bernoulli process*, Conference proceedings: Probability Measures on Groups, Lecture Notes in Math. **928** (1982) 90–95.

17. P. Feinsilver, *Bernoulli systems in several variables*, Springer Lecture Notes **1064** (1984) 86–98.
18. P. Feinsilver and R. Schott, *Orthogonal polynomial expansions via Fourier transform*, Rapport INRIA **1745**, 1992.
19. P. Feinsilver and R. Schott, *Krawtchouk polynomials and finite probability theory*, Conference Proceedings: Probability Measures on Groups X, 129–136, Plenum Press, 1991.
20. P. Feinsilver and R. Schott, *On Bessel functions and rate of convergence of zeros of Lommel polynomials*, Mathematics of Computation **59**, 199 (1992) 153–156.
21. P. Feinsilver and R. Schott, *Algebraic structures and operator calculus*, Volume 1: Representations and Probability Theory, Kluwer, 1993.
22. W. Feller, *Introduction to probability theory and its applications*, 2 vols., Wiley, 1971.
23. Ph. Flajolet, *Combinatorial aspects of continued fractions*, Discrete Math., **32** (1980) 125–161.
24. Ph. Flajolet, *Analyse d'algorithmes de manipulation d'arbres et de fichiers*, Cahiers du B.U.R.O., **34–35** (1981) 1–209.
25. Ph. Flajolet, *The evolution of two stacks in bounded space and random walks in a triangle*, Rapport INRIA 518, 1986 and Proceedings of MFCS'86, Lecture Notes in Comp. Sc., **233**, (1986) 325–340.
26. Ph. Flajolet, J. Françon and J. Vuillemin, *Sequence of operations analysis for dynamic data structures*, J. of Algorithms, **1** (1981) 111–141.
27. Ph. Flajolet and R. Schott, *Non-overlapping partitions, continued fractions, Bessel functions, and a divergent series*, European J. Combinatorics, **11**, (1990) 421–432.
28. Ph. Flajolet and J.S. Vitter, *Average-case analysis of algorithms and data structures*, Handbook of Theoretical Computer Science, chapter 9, Elsevier Sc. Pub. B. V., 1990.
29. J. Françon, *Combinatoire des structures de données*, Thèse de doctorat d'Etat, Université de Strasbourg, 1979.
30. J. Françon, *Histoires de fichiers*, RAIRO Inf. Th., **12** (1978) 49–62.
31. J. Françon, *Une approche quantitative de l'exclusion mutuelle*, RAIRO, Informatique Théorique, **20**, 3, (1986) 275–289.
32. J. Françon, *Sérialisabilité, commutation, mélange et tableaux de Young*, Publications Mathématiques, **27**, Université de Haute Alsace, Mulhouse, 1985.
33. J. Françon, B. Randrianarimanana and R. Schott, *Analysis of dynamic algorithms in D.E. Knuth's model*, T.C.S., **72**, (1990) 147–167.

34. J. Françon, B. Randrianarimanana and R. Schott, *Dynamic data structures with finite population: a combinatorial analysis*, Proceedings of FCT'89, Lecture Notes in Comp. Sc., **380**, (1989) 162–174, Springer Verlag.
35. J. Françon, G. Viennot, and J. Vuillemin, *Description and analysis of an efficient priority queue representation*, Proceedings of the 19th Annual Symp. on Foundations of Computer Science, 1978, 1–7.
36. B. Gabutti and B. Minetti, *Discrete Laguerre polynomials in the numerical evaluation of the Hankel transform*, J. Comp. Phys., **42** (1981) 277–287.
37. D. Geniet, R. Schott and L. Thimonier, *A markovian concurrency measure*, Proceedings of CAAP'90, Lecture Notes in Comp. Sc., **431** (1990) 177–190, Springer Verlag (full version to appear in RAIRO, Informatique Théorique).
38. C.D. Godsil, *Algebraic combinatorics*, Chapman & Hall, 1993.
39. G.H. Gonnet and R. Baeza-Yates, *Handbook of Algorithms and Data Structures: in Pascal and C*, Addison-Wesley, second edition, 1991.
40. R.L. Graham, D.E. Knuth and O. Patashnik, *Concrete mathematics*, Addison-Wesley, 1989.
41. D.H. Greene and D.E. Knuth, *Mathematics for the analysis of algorithms*, Birkhäuser, 1981.
42. C. Greene, A. Nijenhuis, and H.S. Wilf, *A probabilistic proof of a formula for the number of Young tableaux of a given shape*, Adv. in Math., **31** (1979) 104–109.
43. D. Gouyou-Beauchamps, *Standard Young Tableaux of height 4 and 5*, (preprint).
44. A.N. Habermann, *Systems Deadlocks*, in Current Trends in Programming Methodology, vol. 3, K.M. Chandy and R.T. Yeh, eds., Prentice-Hall, 1987.
45. M. Hofri, *Probabilistic analysis of algorithms*, Texts and Monog. in Computer Science, Springer Verlag, 1987.
46. A. Jonassen and D.E. Knuth, *A trivial algorithm whose analysis isn't*, J. Comput. System Sci., **16** (1978) 301–332.
47. W.B. Jones and W.J. Thron, *Continued fractions: analytic theory and applications*, Encyclopedia of mathematics and its applications, v. 11, Addison-Wesley, 1980.
48. S. Karlin and J. McGregor, *The differential equations of birth-and-death processes, and the Stieltjes moment problem*, Trans. Amer. Math. Soc., **85** (1957) 489–546.
49. S. Karlin and J. McGregor, *Random walks*, Illinois Journal of Math. **3** (1958) 66–81.
50. R. Kemp, *Fundamentals of the average case analysis of particular algorithms*, Teubner-Wiley, Stuttgart, 1984.
51. C. Kenyon-Mathieu and J.S. Vitter, *The maximum size of dynamic data structures*, SIAM J. Comp. **20** (1991), 151–186.

52. G.D. Knott, *Deletion in binary storage trees*, Report Stan-CS 75-491, 1975.
53. D.E. Knuth, *The art of computer programming*, 3 volumes, Addison-Wesley, 1973.
54. D.E. Knuth, *Deletions that preserve randomness*, IEEE Trans. Software Eng., **SE-3**, 5 (1977) 351–359.
55. C. Lavault, *Analysis of a distributed algorithm for mutual exclusion*, INRIA Report **1309**, October 1990.
56. J. van Leeuwen, ed., *Algorithms and complexity*, Handbook of Theoretical Computer Science, Vol. A, Elsevier, 1990.
57. B.F. Logan and L. Shepp, *A variational problem for random Young tableaux*, Adv. Math., **26** (1977) 206–222.
58. G. Louchard, *Random walks, Gaussian processes and list structures*, T.C.S., **53** (1987) 99–124.
59. G. Louchard, C. Kenyon and R. Schott, *Data structures maxima*, Proceedings FCT'91, Lecture Notes in Comp. Science **529** (1991) 339–349.
60. G. Louchard, B. Randrianarimanana and R. Schott, *Probabilistic analysis of dynamic algorithms in D.E. Knuth's model*, T.C.S., **93**, (1992) 201–225.
61. G. Louchard and R. Schott, *Probabilistic analysis of some distributed algorithms*, Random Structures and Algorithms, **2**, 2, (1991) 151–186.
62. G. Louchard, R. Schott, J. Tolley and P. Zimmermann, *Random walks, heat equation and distributed algorithms*, Journal of Computational and Applied Mathematics (in press).
63. R.S. Maier, *A path integral approach to data structures evolution*, Journal of Complexity, **7**, 3, (1991) 232–260.
64. R.S. Maier, *Colliding stacks: a large deviations analysis*, Random Structures and Algorithms, **2** (1991) 379–420.
65. R.S. Maier and R. Schott, *The exhaustion of shared memory: stochastic results*, Proceedings WADS'93, Lecture Notes in Comp. Science **709** (1993) 494–505.
66. R.S. Maier and R. Schott, *Regular approximations to shuffle products of context-free languages and convergence of their generating functions*, Proceedings FCT'93, Lecture Notes in Comp. Science **710** (1993) 352–362.
67. K. Mehlhorn, *Data structures and algorithms 1: Sorting and searching*, EATCS Monographs, Springer Verlag, 1984.
68. K. Mehlhorn and A. Tsakalidis, *Data structures*, Handbook of Theoretical Computer Science, chapter 6, Elsevier Sc. Pub. B. V., 1990.
69. J. Meixner, *Orthogonale Polynomsysteme mit einem besonderen Gestalt der erzeugenden Funktion*, J. London. Math. Soc., **9** (1934) 6–13.

70. T. Naeh, M.M. Klosek, B.J. Matkowsky and Z. Schuss, *A direct approach to the exit problem*, SIAM J. Appl. Math. **50** (1990) 595–627.
71. C. Pair, R. Mohr and R. Schott, *Construire les algorithmes: les améliorer, les connaître, les évaluer*, Dunod informatique, 1988.
72. J. Peterson and A. Silberschatz, *Operating Systems Concepts*, Addison-Wesley, 1983.
73. E.D. Rainville, *Special functions*, The Macmillan Company, 1960.
74. B. Randrianarimanana, *Complexité des structures de données dynamiques*, Thèse de l'Université de Nancy 1, 1989.
75. M. Raynal, *Algorithmique du parallélisme: le problème de l'exclusion mutuelle*, Dunod informatique, 1984.
76. A. Regev, *Asymptotic values for degrees associated with strips of Young diagrams*, Advances in Mathematics, **41** (1981) 115–136.
77. P. Ribenboim, *Algebraic numbers*, Wiley-Interscience, 1972.
78. G.C. Rota (ed.), *Finite operator calculus*, Academic Press, 1975.
79. G. Sansone and J. Gerretsen, *Lectures on the theory of functions of a complex variable*, P. Noordhoff, 1960.
80. R. Sedgewick, *Algorithms*, Addison-Wesley, 1988.
81. G. Szëgo, *Orthogonal polynomials*, American Math. Soc., 1975.
82. A.M. Veršik and S.V. Kerov, *Asymptotics of the Plancherel measure of the symmetric group and the limiting form of Young tableaux*, Sov. Math. Dokl., **18** (1977) 527–531.
83. G.X. Viennot, *Algèbres de Lie libres et Monoïdes libres*, Lect. Notes in Math. **691**, Springer Verlag, 1978.
84. G.N. Watson, *A Treatise on the Theory of Bessel Functions*, Cambridge University Press, 1980.
85. A.C. Yao, *An analysis of a memory allocation scheme for implementing stacks*, SIAM J. Comput., **10** (1981) 398–403.