
Literatur

I. Bücher zur Kombinatorik (oft mit Graphentheoriekapitel)

- M. Aigner, *Combinatorial Theory*, Springer, Berlin, UBKA 79 A 3013
- V. K. Balakrishnan, *Schaum's outline of theory and problems of combinatorics : including concepts of graph theory*, 1995, McGraw-Hill, New York, UBKA math 9.0, 95 E 629
- C. Berge, *Principles of Combinatorics*, 1971, Academic Press, New York, UBKA 84 A 1780
- R. Bodendiek und G. Burosch, „*Streifzüge durch die Kombinatorik*“, Spektrum Verlag, Heidelberg, 1995 (Mathematik-Olympiaden, Aufgaben und Lösungen) UBKA math 9.0, 95 A 5478
- R. A. Brualdi, *Introductory Combinatorics*, 3rd edition, Prentice Hall, London, 1999, UBKA 2005 A 1680(3)
- P. J. Cameron, *Combinatorics. Topics, Techniques, Algorithms*, Cambridge University Press, 1996, UBKA LS Technik, math 9.0, 95 A 1579
- Ch.A. Charalambides, *Enumerative Combinatorics*, Chapman&Hall/CRC, Boca Raton, 2001
- L. Comtet, *Advanced Combinatorics*, Reidel, Dordrecht, 1974, UBKA math 9.0, 74A1641
- C. D. Godsil, *Algebraic Combinatorics*, 1993, Chapman & Hall, New York, London, UBKA math 9.0 93A2394
- I. P. Gouldson and D. M. Jackson, *Combinatorial Enumeration*, Wiley, New York, 1983, UBKA 83A2869
- R. P. Grimaldi, *Discrete and Combinatorial Mathematics*, 3. ed., Addison-Wesley, Reading, Mass., UBKA 2nd ed. 90 A 92(2)
- F. Harary (ed.), *Graph theory and theoretical physics*, 1967, Academic Press, London, FBPh math 9, 69 A 253
- F. Harary and E. M. Palmer, *Graphical enumeration*, 1973, Academic Press, New York, UBKA math 9.3, 74 A 656
- J. M. Harris, J. L. Hirst, M.J. Mossinghoff, *Combinatorics and Graph Theory*, 2000, Springer, UBKA math 9.3 2001 A 371
- K. Jacobs und D. Jungnickel, *Einführung in die Kombinatorik*, 2. Aufl., de Gruyter, 2004, UBKA 83 A 2222(2), LST math. 9.0 (Präsenz)
- V. Krishnamurthy, *Combinatorics: theory and applications*, 1986, Ellis Horwood, Chichester, UBKA 86 A 3105
- C. L. Liu, *Introduction to combinatorial mathematics*, 1968, McGraw-Hill, New York, UBKA math 9.0, 69 A 883

- 2 -

Fortsetzung zu: I. Bücher zur Kombinatorik (oft mit Graphentheoriekapitel)

- P. A. MacMahon, *Combinatory analysis*, volumes 1, 2 bound in one volume, 1960, Chelsea Publ., New York, UBKA 96 A 2866
- G. E. Martin, *Counting: The Art of Enumerative Combinatorics*, 2001, Springer, New York, UBKA 2001 A 4432
- J. Riordan, *An introduction to combinatorial analysis*, Princeton University Press, 1980, UBKA V A 9275 (1958 Wiley, London)
- J. Riordan, *Combinatorial identities*, Reprint with corr. of the ed. New York, Wiley, 1968, Huntington, New York, Krieger, 1979 UBKA 2003 A 3034
- R. P. Stanley, *Enumerative combinatorics*, vol. 1, 1997, 1999 (pb), vol. 2, 1999, Cambridge Univ. Press, vol.I (1997) UBKA math 9.1, 97 A 1164-1, vol.2 math 9.1, 97 A 1164-2
- A. Tucker, *Applied Combinatorics*, 3rd edition, Wiley, New York, 1995, UBKA math 9.0, 80 A 2837(3)
- J. H. van Lint & R. M. Wilson, *A Course in Combinatorics*, 2nd edition, Cambridge University Press, 2001

II. Klassiker zur Kombinatorik (und Wahrscheinlichkeitstheorie)

- Bernoulli, Jakob (I), *Ars conjectandi*, 1713 (posthum), übersetzt und herausgeg. R. Haussner, Ostwalds Klassiker der Exakten Wissenschaften, Band 107, 2. Aufl., Harri Deutsch, Frankfurt a. M., 1999, UBKA 99A 1859(2)
- E. Netto, *Lehrbuch der Combinatorik*, 1927, 2. Aufl. erw. u. mit Anmerk. versehen von Viggo Brun, Chelsea Publ., New York, MatheBKA Diskr. Math./Net, L 4977
- W. Whitworth, *Choice and chance : with one thousand exercises*, repr. 5th ed., 1965, Hafner Publ., New York, MathBKA Stoch./Whi, L 19327
- A. M. Yaglom and I. M. Yaglom, *Challenging Mathematical Problems with Elementary Solutions*, Vol. I: *Combinatorial Analysis and Probability Theory*, Dover, New York, 1964

III. Erzeugende Funktionen

- R. L. Graham, D. E. Knuth and O. Patashnik, *Concrete Mathematics*, 2004, 2nd ed., 15. print., Addison-Wesley, Boston, MA, UBKA (1990 version) math 0.35 93 A 559
- E. B. McBride, *Obtaining Generating Functions*, 1971, Springer, Berlin, UBKA ZA 3995-21.1971
- H. S. Wilf, *generatingfunctionology*, 2nd ed., 1994, Academic Press, San Diego, UBKA 92A509(2)

- 3 -

IV. Handbücher

- M. Abramowitz and I. A. Stegun (Eds.): *Handbook of Mathematical Functions*, Dover, 1972 (9th printing), Chapter 24:
K. Goldberg, M. Newman and E. Haynsworth: *Combinatorial Analysis*. Netzadresse siehe unter V.
- R.L. Graham, M. Grötschel and L. Lovász (Eds.), *Handbook of Combinatorics*, 2 vols, 1996, MIT press, Cambridge UBKA vol.1 (1995), 96 A 1-1, vol.2 (1995), math 9.0, 96 A 1-2

V. Netzadressen

- *Handbook of Mathematical Functions* on-line, Ch.24: *Combinatorial Analysis*
<http://www.convertit.com/Go/ConvertIt/Reference/AMS55.ASP?Res=150&Page=821>
- P. A, MacMahon, *Combinatory analysis*, on-line:
<http://www.hti.umich.edu/cgi/t/text/text-idx?c=umhistmath;idno=ABU9009>
- *Combinatorics* from Eric W. Weisstein, mathworld.wolfram.com, mit weiteren Literaturhinweisen: <http://mathworld.wolfram.com/Combinatorics.html>
- E. W. Weisstein, *Books about Combinatorics*,
<http://www.ericweisstein.com/encyclopedias/books/Combinatorics.html>
- *Combinatorics* from mathpages: <http://www.mathpages.com/home/icomбина.htm>

VI. Kombinatorik und Physik

- A. N. Kirillov, A. Tsuchiya and H. Umemura (Eds.), *Physics and Combinatorics 1999*, Proceedings of the Nagoya 1999 Int. Workshop, World Scientific, 2001 (Fernleihe Göttingen)
- A. N. Kirillov and N. Liskova (Eds.), *Physics and Combinatorics 2000*, Proceedings of the Nagoya 2000 Int. Workshop, World Scientific, 2001 (Fernleihe Göttingen)
- C. D. Godsil, M. Grötschel und D. J. A. Welsh, *Combinatorics in Statistical Physics*, pp 1925-1954 in Vol. 2 *Handbook of Combinatorics*, eds. R. L. Graham et al., siehe unter IV.

VII. Zur Geschichte der Kombinatorik (und Wahrscheinlichkeitstheorie und Statistik)

- N. L. Biggs, E. K. Lloyd and R. J. Wilson, *Graph Theory 1736-1936*, 1976, Clarendon, Oxford, UBKA 76 A 2182
- N. L. Biggs, E. K. Lloyd and R. J. Wilson, *The history of combinatorics*, 1996, in *Handbook of Combinatorics*, vol. 2 (siehe oben unter IV.), pp 2163-2198
- F. N. David, *Games, Gods and Gambling : the origins and history of probab. and statist. ideas from the earliest times to the Newtonian era* 1962, Griffin, London, MathBKA im Keller Gesch./Phil. / Dav L 14844

VIII. Zur symmetrischen Gruppe, Schur-Funktionen und Partitionen

- G. E. Andrews, *The theory of partitions*, 1981, 2. print., with revisions. Encyclopedia of mathematics and its applications Vol. 2, Addison-Wesley, Reading, Mass. Informatik Bibliothek, (alte Auflage von 1976: UBKA math 2.34 77 A 2937)
- W. Fulton, *Young tableaux : with applications to representation theory and geometry**, Repr., with corr., Cambridge University Press, 1999. FBP math 3.1, 2006 A 4556
- M. Hamermesh, *Group theory and its application to physical problems*, 1964, 2. print., Addison-Wesley, Reading, Mass., UBKA math 3.2 79 A 939
- G. D. James and A. Kerber, *The representation theory of the symmetric group*, Encyclopedia of mathematics and its applications Vol. 16, 1981, Addison-Wesley, Reading, Mass. UBKA 82 A 996
- B. R. Judd, *Operator Techniques in Atomic Spectroscopy*, von 1963, Ch.5, 1998, Princeton Landmarks in Physics, PUP, Princeton FBP (vermisst), Fernleihe Heidelberg
- V. B. Kuznetsov and S. Sahi (eds): *Jack, Hall-Littlewood and Macdonald Polynomials**, Workshop September 23-26, 2003, Edinburgh, 2006, AMS, Providence, Rhode Island; (photos, reprints and articles) (Fernleihe Göttingen)
- V. Krishnamurthy, *Combinatorics: theory and applications*, siehe unter I
- D. E. Littlewood, *The theory of group characters and matrix representations of groups**, 2. ed., repr., 1950, Clarendon Pr., Oxford, FBP math 3.2 V A 1244(2)
- I. G. Macdonald, *Symmetric functions and Hall polynomials**, 2. ed., 1. pb, 1998, Clarendon Press, Oxford, UBKA 81 A 3159 (1979), 1. Auflage, Inf.B. 1998
- A. Messiah, *Quantum mechanics*, vol.II, Appendix D, Ch.IV, 11.th printing, 1986, North Holland
- D. E. Rutherford, *Substitutional analysis*, 1968, Hafner, New York (Zu den Arbeiten von Albert Young), Fernleihe
- B. E. Sagan, *The symmetric group representations, combinatorial algorithms, and symmetric functions**, 2001, Springer, New York, LaBi 101 A 8471
- B. L. van der Waerden, *Algebra: unter Benutzung von Vorlesungen von E. Artin u. E. Noether*, Heidelberger TB, Band II, 4. Auflage, 1958, FBP math 3.0 ZA 100-34.1959(4) (Magazin)
- B. G. Wybourne, *Symmetry principles and atomic spectroscopy**, including an appendix of tables by P. H. Butler, Wiley, 1970, New York, FBP phys 7.11 72 A 340

Bücher mit * behandeln Schur-Funktionen (oder Verallgemeinerungen).

IX. Artikel zur Kombinatorik

- H. Weyl, *Ars Combinatoria*, App.B, pp.237-52, in *Philosophy of Mathematics and Natural Science*, 1963, Atheneum, N. Y.

X. Geplante Kombinatorikbücher, teilweise im Netz

- Ph. Flajolet and R. Sedgewick, *Analytic Combinatorics* geplant für 2008.
Siehe: <http://algo.inria.fr/flajolet/Publications/books.html>
- D. E. Knuth, *The Art of Computer Programming*, Vol.4 *Combinatorial Algorithms*, in Vorbereitung
Siehe: <http://www-cs-faculty.stanford.edu/~knuth/taocp.html>