Optimização

References

[1] Ravindra K. Ahuja, Thomas L. Magnanti, and James B. Orlin. *Network flows*. Prentice Hall Inc., Englewood Cliffs, NJ, 1993. Theory, algorithms, and applications.

[2] Mokhtar S. Bazaraa, John J. Jarvis, and Hanif D. Sherali. *Linear programming and network flows*. John Wiley & Sons Inc., New York, second edition, 1990.

[3] Mokhtar S. Bazaraa and C. M. Shetty. *Nonlinear programming*. John Wiley & Sons, New York-Chichester-Brisbane, 1979. Theory and algorithms.

[4] Dimitri P. Bertsekas. *Constrained optimization and Lagrange multiplier methods*. Computer Science and Applied Mathematics. Academic Press Inc. [Harcourt Brace Jovanovich Publishers], New York, 1982.

[5] D. P. Bertsekas. *Network Optimization: Continuous and Discrete Models*. Athena Scientific, Belmont, Massachusetts, 1998.

[6] John T. Betts. *Practical methods for optimal control using nonlinear programming*. Advances in Design and Control. Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, 2001.

[7] Åke Björck. *Numerical methods for least squares problems*. Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, 1996.

[8] Richard P. Brent. *Algorithms for minimization without derivatives*. Prentice-Hall Inc., Englewood Cliffs, N.J., 1973. Prentice-Hall Series in Automatic Computation.

[9] Richard A. Brualdi and Herbert J. Ryser. *Combinatorial matrix theory*, volume 39 of *Encyclopedia of Mathematics and its Applications*. Cambridge University Press, Cambridge, 1991.

[10] Gary Chartrand and Linda Lesniak. *Graphs & digraphs*. Chapman & Hall, London, third edition, 1996.

[11] Vašek Chvátal. *Linear programming*. A Series of Books in the Mathematical Sciences. W. H. Freeman and Company, New York, 1983.

[12] Henri Cohen. *A course in computational algebraic number theory*, volume 138 of *Graduate Texts in Mathematics*. Springer-Verlag, Berlin, 1993.

[13] William J. Cook, William H. Cunningham, William R. Pulleyblank, and Alexander Schrijver. *Combinatorial optimization*. Wiley-Interscience Series in Discrete Mathematics and Optimization. John Wiley & Sons Inc., New York, 1998. A Wiley-Interscience Publication.

[14] William J. Cook, William H. Cunningham, William R. Pulleyblank, and Alexander Schrijver. *Combinatorial optimization*. Wiley-Interscience Series in Discrete Mathematics and Optimization. John Wiley & Sons Inc., New York, 1998. A Wiley-Interscience Publication.

[15] William Cook and Paul D. Seymour, editors. *POLYHEDRAL COMBINATORICS*, volume 1 of *DIMACS Series In Discrete Mathematics and Theoretical Computer Science*. AMS, 1990.

[16] Catherine C. McGeoch David S. Johnson, editor. *NETWORK FLOWS AND MATCHING*, volume 12 of *DIMACS Series In Discrete Mathematics and Theoretical Computer Science*. AMS, 1992.

[17] James W. Demmel. *Applied numerical linear algebra*. Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, 1997.

[18] J. E. Dennis, Jr. and Robert B. Schnabel. *Numerical methods for unconstrained optimization and nonlinear equations*, volume 16 of *Classics in Applied Mathematics*. Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, 1996. Corrected reprint of the 1983 original.

[19] Ulrich Derigs. *Programming in networks and graphs*, volume 300 of *Lecture Notes in Economics and Mathematical Systems*. Springer-Verlag, Berlin, 1988. On the combinatorial background and near-equivalence of network flow and matching algorithms.

[20] Reinhard Diestel. *Graph theory*, volume 173 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, second edition, 2000.

[21] DIMACS. *Network Flows and Matching: First DIMACS Implementation Challenge*, volume 12. DIMACS, 1993.

[22] I. S. Duff, A. M. Erisman, and J. K. Reid. *Direct methods for sparse matrices*. Monographs on Numerical Analysis. The Clarendon Press Oxford University Press, New York, second edition, 1989. Oxford Science Publications.

[23] D. Bertsimas e J. N. Tsitsiklis. *Introduction to linear optimization*. Athena, 1997.

[24] R. Fletcher. *Practical methods of optimization*. Wiley-Interscience [John Wiley & Sons], New York, second edition, 2001.

[25] L. R. Ford, Jr. and D. R. Fulkerson. *Flows in networks*. Princeton University Press, Princeton, N.J., 1962.

[26] L. Foulds. *Combinatorial Optimization for Undergraduates*. Springer-Verlag, 1984.

[27] S. Fujishige. *Submodular functions and optimization*. North-Holland, 1991.

[28] Alan Gibbons. *Algorithmic graph theory*. Cambridge University Press, Cambridge, 1985.

[29] Philip E. Gill, Walter Murray, and Margaret H. Wright. *Practical optimization*. Academic Press Inc. [Harcourt Brace Jovanovich Publishers], London, 1981.

[30] Philip E. Gill, Walter Murray, and Margaret H. Wright. *Numerical linear algebra and optimization. Vol. 1.* Addison-Wesley Publishing Company Advanced Book Program, Redwood City, CA, 1991.

[31] Gene H. Golub and Charles F. Van Loan. *Matrix computations*. Johns Hopkins Studies in the Mathematical Sciences. Johns Hopkins University Press, Baltimore, MD, third edition, 1996.

[32] Michel Gondran and Michel Minoux. *Graphs and algorithms*. Wiley-Interscience Series in Discrete Mathematics. John Wiley & Sons Ltd., Chichester, 1984. Translated from the French by Steven Vajda, A Wiley-Interscience Publication.

[33] Martin Grötschel, László Lovász, and Alexander Schrijver. *Geometric algorithms and combinatorial optimization*, volume 2 of *Algorithms and Combinatorics*. Springer-Verlag, Berlin, second edition, 1993.

[34] G. H. Hardy and E. M. Wright. *An introduction to the theory of numbers*. The Clarendon Press Oxford University Press, New York, fifth edition, 1979.

[35] D. Higham and N. Higham. *MATLAB guide*. SIAM, 2000.

[36] Nicholas J. Higham. *Accuracy and stability of numerical algorithms*. Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, second edition, 2002.

[37] J.-B. Hiriart-Urruty and Cl. Lemaréchal. *Convex Analysis and Minimization Algorithms II: Advanced Theory and Bundle Methods*. Springer-Verlag, New York, 1993.

[38] J.-B. Hiriart-Urruty and Cl. Lemaréchal. *Convex Analysis and Minimization Algorithms I: Fundamentals*. Springer-Verlag, New York, 1993.

[39] David S. Johnson and Michael A. Trick, editors. *Cliques, Coloring and Satisfiability: Second DIMACS Implementation Challenge*, volume 26 of *DIMACS Series In Discrete Mathematics and Theoretical Computer Science*. AMS, 1996.

[40] Michael Jünger, Gerhard Reinelt, and Giovanni Rinaldi, editors. *Combinatorial Optimization - Eureka, You Shrink!, Papers Dedicated to Jack Edmonds, 5th International Workshop, Aussois, France, March 5-9, 2001, Revised Papers*, volume 2570 of *Lecture Notes in Computer Science*. Springer, 2003.

[41] C. T. Kelley. *Iterative methods for linear and nonlinear equations*, volume 16 of *Frontiers in Applied Mathematics*. Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, 1995. With separately available software.

[42] Konrad Knopp. *Infinite sequences and series*. Dover Publications Inc., New York, 1956. Translated by Frederick Bagemihl.

[43] D. E. Knuth. *The Stanford GraphBase: A Platform for Combinatorial Computing*. ACM Press, New York, 1993.

[44] Bernhard Korte and Jens Vygen. *Combinatorial optimization*, volume 21 of *Algorithms and Combinatorics*. Springer-Verlag, Berlin, second edition, 2002. Theory and algorithms.

[45] Serge Lang. *Calculus of Several Variables*. Undergraduate Texts in Mathematics. Springer-Verlag, New York, 1987. The original edition of *Calculus of Several Variables* [Addison-Wesley, Reading, MA, 1973].

[46] Eugene L. Lawler. *Combinatorial optimization: networks and matroids*. Holt, Rinehart and Winston, New York, 1976.

[47] E. L. Lawler, J. K. Lenstra, A. H. G. Rinnooy Kan, and D. B. Shmoys, editors. *The traveling salesman problem*. Wiley-Interscience Series in Discrete Mathematics and Optimization. John Wiley & Sons Ltd., Chichester, 1990. A guided tour of combinatorial optimization, Reprint of the 1985 original, A Wiley-Interscience Publication.

[48] László Lovász. *An algorithmic theory of numbers, graphs and convexity*, volume 50 of *CBMS-NSF Regional Conference Series in Applied Mathematics*. Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, 1986.

[49] L. Lovász and M. D. Plummer. *Matching theory*, volume 121 of *North-Holland Mathematics Studies*. North-Holland Publishing Co., Amsterdam, 1986. Annals of Discrete Mathematics, 29.

[50] D. Luenberger. *Linear and Nonlinear Programming*. Addison-wesley, 2nd edition, 1984.

[51] Richard Kipp Martin. *Large scale linear and integer optimization: a unified approach*. Kluwer Academic Publishers, Boston, MA, 1999.

[52] M. Minoux. *Mathematical programming: theory and algorithms*. A Wiley-Interscience Publication. John Wiley & Sons Ltd., Chichester, 1986. With a foreword by Egon Balas, Translated from the French by Steven Vajda.

[53] B. Moret and H. Shapiro. *Algorithms from P to NP: Design and Efficiency*. Benjamin-Cummings Publishing Co., Menlo Park, CA,, 1991.

[54] Katta G. Murty. *Linear and combinatorial programming*. John Wiley & Sons Inc., New York, 1976.

[55] Katta G. Murty. *Linear programming*. John Wiley & Sons Inc., New York, 1983. With a foreword by George B. Dantzig.

[56] K. G. Murty. *Linear complementarity, linear and nonlinear programming*, volume 3 of *Sigma Series in Applied Mathematics*. Heldermann Verlag, Berlin, 1988.

[57] S. G. Nash and A. Sofer. *Linear and Nonlinear Programming*. McGraw-Hill, New York. NY, 1996.

[58] J. L. Nazareth. *Computer solution of linear programs*. Monographs on Numerical Analysis. The Clarendon Press Oxford University Press, New York, 1987. Oxford Science Publications.

[59] George Nemhauser and Laurence Wolsey. *Integer and combinatorial optimization*. Wiley-Interscience Series in Discrete Mathematics and Optimization. John Wiley & Sons Inc., New York, 1999. Reprint of the 1988 original, A Wiley-Interscience Publication.

[60] Jorge Nocedal and Stephen J. Wright. *Numerical optimization*. Springer Series in Operations Research. Springer-Verlag, New York, 1999.

[61] J. R. Norris. *Markov Chains*. Cambridge University Press, 1997.

[62] James M. Ortega. *Introduction to parallel and vector solution of linear systems*. Frontiers of Computer Science. Plenum Press, New York, 1989.

[63] J. M. Ortega and W. C. Rheinboldt. *Iterative solution of nonlinear equations in several variables*, volume 30 of *Classics in Applied Mathematics*. Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, 2000. Reprint of the 1970 original.

[64] Christos H. Papadimitriou and Kenneth Steiglitz. *Combinatorial optimization: algorithms and complexity*. Dover Publications Inc., Mineola, NY, 1998. Corrected reprint of the 1982 original.

[65] M. Pinedo. *Operations Scheduling*. Irwin, 1999.

[66] James Renegar. *A mathematical view of interior-point methods in convex optimization*. MPS/SIAM Series on Optimization. Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, 2001.

[67] F. S. Roberts. *Discrete Mathematical Models*. Prentice-Hall, Inc., 1976.

[68] Thomas L. Saaty. *Optimization in integers and related extremal problems*. McGraw-Hill Book Co., New York, 1970. From a course given at the University of California, Los Angeles, and at the George Washington University.

[69] Alexander Schrijver. *Theory of linear and integer programming*. Wiley-Interscience Series in Discrete Mathematics. John Wiley & Sons Ltd., Chichester, 1986. A Wiley-Interscience Publication.

[70] Alexander Schrijver. *Combinatorial optimization. Polyhedra and efficiency. Vol. A*, volume 24 of *Algorithms and Combinatorics*. Springer-Verlag, Berlin, 2003. Paths, flows, matchings, Chapters 1–38.

[71] Alexander Schrijver. *Combinatorial optimization. Polyhedra and efficiency. Vol. B*, volume 24 of *Algorithms and Combinatorics*. Springer-Verlag, Berlin, 2003. Matroids, trees, stable sets, Chapters 39–69.

[72] Alexander Schrijver. *Combinatorial optimization. Polyhedra and efficiency. Vol. C*, volume 24 of *Algorithms and Combinatorics*. Springer-Verlag, Berlin, 2003. Disjoint paths, hypergraphs, Chapters 70–83.

[73] N. Z. Shor. *Minimization methods for nondifferentiable functions*, volume 3 of *Springer Series in Computational Mathematics*. Springer-Verlag, Berlin, 1985. Translated from the Russian by K. C. Kiwiel and A. Ruszczyński.

[74] B. Simeone, editor. *Combinatorial optimization*, volume 1403 of *Lecture Notes in Mathematics*, Berlin, 1989. Springer-Verlag.

[75] Steven Skiena. *Implementing discrete mathematics*. Addison-Wesley Publishing Company Advanced Book Program, Redwood City, CA, 1990. Combinatorics and graph theory with Mathematica, With programs by the author and Anil Bhansali.

[76] Gilbert Strang. *Introduction to applied mathematics*. Wellesley-Cambridge Press, Wellesley, MA, 1986.

[77] M. Syslo, N. Deo, and J. Kowalik. *Discrete Optimization Algorithms with Pascal Programs*. Prentice Hall, Englewood Cliffs NJ, 1983.

[78] Robert Endre Tarjan. *Data structures and network algorithms*, volume 44 of *CBMS-NSF Regional Conference Series in Applied Mathematics*. Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, 1983.

[79] D. M. Topkis. *Supermodularity and Complementarity*. Frontiers of Economic Research. Princeton University Press, 1998.

[80] Lloyd N. Trefethen and David Bau, III. *Numerical linear algebra*. Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, 1997.

[81] Douglas B. West. *Introduction to graph theory*. Prentice Hall Inc., Upper Saddle River, NJ, 1996.

[82] Michael Anthony Wolfe. *Numerical methods for unconstrained optimization*. Van Nostrand Reinhold Co., New York, 1978. An introduction.

[83] Laurence A. Wolsey. *Integer programming*. Wiley-Interscience Series in Discrete Mathematics and Optimization. John Wiley & Sons Inc., New York, 1998. A Wiley-Interscience Publication.

[84] Günter M. Ziegler. *Lectures on polytopes*, volume 152 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 1995.

[85] *Numerical methods for constrained optimization*. Academic Press, London, 1974. Edited by P. E. Gill and W. Murray.