

Referências Bibliográficas

- [1] AIEX, R. M.; RESENDE, M. G. C. ; RIBEIRO, C. C.. **Probability Distribution of Solution Time in GRASP: An Experimental Investigation.** Journal of Heuristics, 8:343–373, 2002.
- [2] ALOISE, D. J.; ALOISE, D.; ROCHA, C. T. M.; FILHO, J. C. R.; MOURA, L. S. S. ; RIBEIRO, C. C.. **Scheduling Workover Rigs for Onshore Oil Production.** Discrete Applied Mathematics, 154:695–702, 2006.
- [3] ANDREWS, M.; ZHANG, L.. **The Access Network Design Problem.** Em: PROCEEDINGS OF THE 39TH ANNUAL IEEE SYMPOSIUM ON FOUNDATIONS OF COMPUTER SCIENCE, p. 40–49, Palo Alto, 1998.
- [4] BANDELT, H. J.; LABBÉ, M.. **How Bad Can A Voting Locating Be?** Social Choice and Welfare, 3:125–145, 1986.
- [5] BEASLEY, J. E.. **A Note on Solving Large p-Median Problems.** European Journal of Operational Research, 21:270–273, 1985.
- [6] BEASLEY, J. E.. **An SST-Based Algorithm for the Steiner Problem in Graphs.** Networks, 19:1–16, 1989.
- [7] BERMAN, O.; INGCO, D. I. ; ODONI, A. R.. **Improving the Location of Minisum Facilities Through Network Modification.** Annals of Operations Research, 40:1–16, 1992.
- [8] BHADURY, J.; CHANDRASEKHARAN, R. ; GEWALI, L.. **Computational Complexity of Integrated Models of Network Design and Facility Location.** Southwest Journal of Pure and Applied Mathematics, 1:30–43, 2000.
- [9] CAMPBELL, J. F.. **A Survey of Network Hub Location.** Studies in Locational Analysis, 6:31–49, 1994.
- [10] CANUTO, S. A.; RESENDE, M. G. C. ; RIBEIRO, C. C.. **Local Search with Perturbations for the Prize-Collecting Steiner Tree Problem in Graphs.** Networks, 38:50–58, 2001.

- [11] CAPOROSSI, G.; HANSEN, P.. **Variable Neighbourhood Search for Extremal Graphs: 1 The AutoGraphiX system.** Discrete Mathematics, 212:29–44, 2000.
- [12] CORNUÉJOLS, G.; NEMHAUSER, G. L. ; WOLSEY, L. A.. **The Uncapacitated Facility Location Problem.** Em: Mirchandani, P. B.; Francis, R. L., editores, DISCRETE LOCATION THEORY, p. 119–171. Wiley-Interscience, 1990.
- [13] CURRENT, J.; MIN, H. ; SCHILLING, D.. **Multiobjective Analysis of Facility Location Decisions.** European Journal of Operational Research, 49:295–307, 1990.
- [14] CURRENT, J.; DASKIN, M. S. ; SCHILLING, D.. **Discrete Network Location Models.** Em: Drezner, Z.; Hamacher, H., editores, FACILITY LOCATION THEORY: APPLICATIONS AND METHODS, p. 81–118. Springer-Verlag, 2002.
- [15] DIJKSTRA, E. W.. **A Note on Two Problems in Connexion With Graphs.** Numerische Mathematik, 1:269–271, 1959.
- [16] DREZNER, Z.; WESOLOWSKY, G. O.. **Network Design: Selection and Design of Links and Facility Location.** Transportation Research Part A, 37:241–256, 2003.
- [17] FEO, T. A.; RESENDE, M. G. C.. **A Probabilistic Heuristic for a Computationally Difficult Set Covering Problem.** Operations Research Letters, 8:67–71, 1989.
- [18] GALVÃO, R. D.; REVELLE, C. S.. **A Lagrangean Heuristic for the Maximal Covering Problem.** European Journal of Operational Research, 18:114–123, 1996.
- [19] GLOVER, F.. **Tabu Search and Adaptive Memory Programming - Advances, Applications and Challenges.** Em: Barr, R. S.; Helgason, R. V. ; Kennington, J. L., editores, INTERFACES IN COMPUTER SCIENCE AND OPERATIONS RESEARCH, p. 1–75. Kluwer Academic Publishers, 1996.
- [20] GUHA, S.; KHULLER, S.. **Connected Facility Location Problems.** Em: Pardalos, P. M.; Du, D., editores, NETWORK DESIGN: CONNECTIVITY AND FACILITIES LOCATION, p. 179–190. DIMACS Series in Discrete Mathematics and Theoretical Computer Science, 1997.
- [21] GUPTA, A.; KLEINBERG, J.; KUMAR, A.; RASTOGI, R. ; YENER, B.. **Provisioning a Virtual Private Network: A Network Design**

- Problem for Multicommodity Flow.** Em: PROCEEDINGS OF THE 33RD ANNUAL ACM SYMPOSIUM ON THEORY OF COMPUTING, p. 389–398, Hersonissos, 2001.
- [22] GUPTA, A.; KUMAR, A. ; ROUGHGARDEN, T.. **A Constant-Factor Approximation Algorithm for Multicommodity Rent-or-Buy Problem.** Em: PROCEEDINGS OF THE 43RD ANNUAL IEEE SYMPOSIUM ON FOUNDATIONS OF COMPUTER SCIENCE, p. 333–342, Washington, 2002.
- [23] GUPTA, A.; KUMAR, A. ; ROUGHGARDEN, T.. **Simpler and Better Approximation Algorithms for Network Design.** Em: PROCEEDINGS OF THE 35TH ANNUAL ACM SYMPOSIUM ON THEORY OF COMPUTING, p. 365–372, San Diego, 2003.
- [24] HAKIMI, S. L.. **Optimum Locations of Switching Centers and Absolute Centers and Medians of a Graph.** Operations Research, 12:450–459, 1964.
- [25] HAKIMI, S. L.. **Optimum Distribution of Switching Centers in a Communication Network and Some Related Graph-Theoretic Problems.** Operations Research, 13:462–475, 1965.
- [26] HANSEN, P.; MLADENOVIC, N.. **Variable Neighbourhood Search for the P-Median.** Location Science, 5:207–226, 1997.
- [27] HANSEN, P.; MLADENOVIC, N.. **Variable Neighbourhood Search: Principles and Applications.** European Journal of Operational Research, 130:449–467, 2001.
- [28] KARP, R.. **Reducibility Among Combinatorial Problems.** Em: Miller, R.; Thatcher, J., editores, COMPLEXITY OF COMPUTER COMPUTATIONS, p. 85–103. Plenum Press, 1972.
- [29] KARIV, O.; HAKIMI, S. L.. **An Algorithmic Approach to Network Location Problems. II: The p-Medians.** SIAM Journal on Applied Mathematics, 37:539–560, 1979.
- [30] KHULLER, S.; ZHU, A.. **The General Steiner Tree-Star Problem.** Information Processing Letters, 84:215–220, 2002.
- [31] KUEHN, A. A.; HAMBURGER, M. J.. **A Heuristic Program for Locating Warehouses.** Management Science, 9:643–666, 1963.
- [32] LABBÉ, M.; LAPORTE, G.; MARTÍN, I. R. ; GONZÁLEZ, J. J. S.. **The Median Cycle Problem.** Relatório técnico, Université Libre de Bruxelles, Bruxelles, 2001.

- [33] LAGUNA, M.; MARTÍ, R.. **GRASP and Path Relinking for 2-Layer Straight Line Crossing Minimization.** *INFORMS Journal on Computing*, 11:44–52, 1999.
- [34] MAGNANTI, T. L.; WONG, R. T.. **Network Design and Transportation Planning: Models and Algorithms.** *Transportation Science*, 18:1–55, 1984.
- [35] MARTINS, S. L.; PARDALOS, P. M.; RESENDE, M. G. C. ; RIBEIRO, C. C.. **A Parallel GRASP for the Steiner Tree Problem in Graphs Using a Hybrid Local Search Strategy.** *Journal of Global Optimization*, 17:267–283, 2000.
- [36] MELKOTE, S.; DASKIN, M. S.. **An Integrated Model of Facility Location and Transportation Network Design.** *Transportation Research Part A*, 35:515–538, 2001.
- [37] MELKOTE, S.; DASKIN, M. S.. **Capacited Facility Location Network Design Problems.** *European Journal of Operational Research*, 129:481–495, 2001.
- [38] MILLER, C. E.; TUCKER, A. W. ; ZEMLIN, R. A.. **Integer Programming Formulation of Traveling Salesman Problems.** *Journal of ACM*, 7:326–329, 1960.
- [39] MIN, H.; JAYARAMAN, V. ; SRIVASTAVA, R.. **Combined Location-Routing Problems: A Synthesis and Future Research Directions.** *European Journal of Operational Research*, 108:1–15, 1998.
- [40] MLADENOVIC, N.; HANSEN, P.. **Variable Neighbourhood Search.** *Computers and Operations Research*, 24:1097–1100, 1997.
- [41] OWEN, S. H.; DASKIN, M. S.. **Strategic Facility Location: A Review.** *European Journal of Operational Research*, 111:423–447, 1998.
- [42] PEETERS, D.; THOMAS, I.. **The Effect of Spatial Structure on p-Median Results.** *Transportation Science*, 29:366–373, 1995.
- [43] POLZIN, T.; DANESHMAND, S. V.. **A Comparison of Steiner Tree Relaxations.** *Discrete Applied Mathematics*, 112:241–261, 2001.
- [44] PRAIS, M.; RIBEIRO, C. C.. **Reactive GRASP: An Application to a Matrix Decomposition Problem in TDMA Traffic Assignment.** *INFORMS Journal on Computing*, 12:164–176, 2000.

- [45] RAVI, R.; SINHÁ, A.. **Approximation Algorithms for Problems Combining Facility Location and Network Design**. Operations Research, 54:73–81, 2006.
- [46] RESENDE, M. G. C.; RIBEIRO, C. C.. **Greedy Randomized Adaptive Search Procedures (GRASP)**. Em: Glover, F.; Kochenberger, G., editores, HANDBOOK OF METAHEURISTICS, p. 219–249. Kluwer Academic Publishers, 2002.
- [47] RESENDE, M. G. C.; WERNECK, R. F.. **On the Implementation of a Swap-Based Local Search Procedure for the p-Median Problem**. Em: PROCEEDINGS OF THE FIFTH WORKSHOP ON ALGORITHM ENGINEERING AND EXPERIMENTS, p. 119–127, Baltimore, 2003.
- [48] RESENDE, M. G. C.; WERNECK, R. F.. **A Hybrid Heuristic for the p-Median Problem**. Journal of Heuristics, 10:59–88, 2004.
- [49] RESENDE, M. G. C.; RIBEIRO, C. C.. **GRASP with Path Relinking: Recent Advances and Applications**. Em: Ibaraki, T.; Nonobe, K.; Yagiura, M., editores, METAHEURISTICS: PROGRESS AS REAL PROBLEM SOLVERS, p. 29–63. Kluwer Academic Publishers, 2005.
- [50] REVELLE, C.; SWAIN, R.. **Central Facilities Location**. Geographical Analysis, 2:30–42, 1970.
- [51] RIBEIRO, C. C.; SOUZA, M. C.. **Tabu Search for the Steiner Problem in Graphs**. Networks, 36:138–146, 2000.
- [52] RIBEIRO, C. C.; UCHOA, E. ; WERNECK, R. F.. **A Hybrid GRASP with Perturbations for the Steiner Problem in Graphs**. INFORMS Journal on Computing, 14:228–246, 2002.
- [53] RIBEIRO, C. C.; SOUZA, R. C. ; VIEIRA, C. E. C.. **A Comparative Computational Study of Random Number Generators**. Pacific Journal of Optimization, 1:565–578, 2005.
- [54] ROLLA, S. R.. **Algoritmo para o Problema de Planejamento de Redes com Localização de Facilidades Capacitadas**. Dissertação de Mestrado, Universidade Federal de Minas Gerais, Departamento de Ciência da Computação, 1999.
- [55] SENNE, E. L. F.; LORENA, L. A. N.. **Langrangean/Surrogate Heuristics for p-Median Problems**. Em: Laguna, M.; González-Velarde, J. L., editores, COMPUTING TOOLS FOR MODELING, OPTIMIZATION AND SIMULATION: INTERFACES IN COMPUTER

- SCIENCE AND OPERATIONS RESEARCH, p. 115–130. Kluwer Academic Publishers, 2000.
- [56] SWAMY, C.; KUMAR, A.. **Primal-Dual Algorithms for Connected Facility Location Problems**. *Algorithmica*, 40:245–269, 2004.
- [57] TAKAHASHI, H.; MATSUYAMA, A.. **An Approximate Solution for the Steiner Problem in Graphs**. *Mathematica Japonica*, 24:573–577, 1980.
- [58] TEITZ, M. B.; BART, P.. **Heuristic Methods for Estimating the Generalized Vertex Median of a Weighted Graph**. *Operations Research*, 16:955–961, 1968.
- [59] TOREGAS, C.; SWAIN, R.; REVELLE, C. ; BERGMAN, L.. **The Location of Emergency Service Facilities**. *Operations Research*, 19:1363–1373, 1971.
- [60] VOß, S.. **Steiner's Problem in Graphs: Heuristics Methods**. *Discrete Applied Mathematics*, 40:45–72, 1992.
- [61] WERNECK, R. F.. **Problema de Steiner em Grafos: Algoritmos Primais, Duais e Exatos**. Dissertação de Mestrado, Pontifícia Universidade Católica do Rio de Janeiro, Departamento de Informática, 2001.
- [62] WHITAKER, R.. **A Fast Algorithm for the Greedy Interchange of Large-Scale Clustering and Median Location Problems**. *Information Systems and Operational Research*, 21:95–108, 1983.
- [63] WINTER, P.. **Steiner Problems in Networks: A Survey**. *Networks*, 40:45–72, 1987.
- [64] WONG, R. T.. **A Dual Ascent Approach for Steiner Tree Problems on a Directed Graph**. *Mathematical Programming*, 28:271–287, 1984.