Chapter 9 Optimal trees

Handbooks in Operations Research and Management Science , 503-615

DOI: 10.1016/s0927-0507(05)80126-4

Citation Report

#	ARTICLE	IF	CITATIONS
1	Designing reliable tree networks with two cable technologies. European Journal of Operational Research, 1998, 105, 552-568.	5.7	21
2	The 2-hop spanning tree problem. Operations Research Letters, 1998, 23, 21-26.	0.7	31
3	Using Variable Redefinition for Computing Lower Bounds for Minimum Spanning and Steiner Trees with Hop Constraints. INFORMS Journal on Computing, 1998, 10, 180-188.	1.7	73
4	A hierarchy of hop-indexed models for the Capacitated Minimum Spanning Tree Problem. Networks, 2000, 35, 1-16.	2.7	22
5	Service network design in freight transportation. European Journal of Operational Research, 2000, 122, 272-288.	5.7	473
6	Generalized spanning trees. European Journal of Operational Research, 2000, 120, 583-592.	5 . 7	57
7	Valid inequalities for non-unit demand capacitated spanning tree problems with flow costs. European Journal of Operational Research, 2000, 121, 394-411.	5.7	6
8	A comparative analysis of several formulations for the generalized minimum spanning tree problem. Networks, 2002, 39, 29-34.	2.7	38
9	A linear-size zero?one programming model for the minimum spanning tree problem in planar graphs. Networks, 2002, 39, 53-60.	2.7	35
10	Network flow models for designing diameter-constrained minimum-spanning and Steiner trees. Networks, 2003, 41, 159-173.	2.7	93
11	Ant-Tree: an ant colony optimization approach to the generalized minimum spanning tree problem. Journal of Experimental and Theoretical Artificial Intelligence, 2003, 15, 103-112.	2.8	25
12	The generalized minimum spanning tree problem: Polyhedral analysis and branch-and-cut algorithm. Networks, 2004, 43, 71-86.	2.7	25
13	On Two-Stage Stochastic Minimum Spanning Trees. Lecture Notes in Computer Science, 2005, , 321-334.	1.3	29
14	Exact algorithms for the minimum power symmetric connectivity problem in wireless networks. Computers and Operations Research, 2005, 32, 2891-2904.	4.0	50
15	The capacitated minimum spanning tree problem: On improved multistar constraints. European Journal of Operational Research, 2005, 160, 47-62.	5.7	11
16	Polyhedral Combinatorics. , 2005, , 2-1-2-46.		5
17	The minimum power broadcast problem in wireless networks: a simulated annealing approach. , 0, , .		32
18	A study on combined routing and source coding with explicit side information in sensor networks. , 2005, , .		1

#	ARTICLE	IF	Citations
19	On Formulations and Methods for the Hop-Constrained Minimum Spanning Tree Problem. , 2006, , 493-515.		35
20	An intersecting tree model for odd-diameter-constrained minimum spanning and Steiner trees. Annals of Operations Research, 2006, 146, 19-39.	4.1	7
21	Persistence in discrete optimization under data uncertainty. Mathematical Programming, 2006, 108, 251-274.	2.4	50
22	Network flow models for the local access network expansion problem. Computers and Operations Research, 2007, 34, 1141-1157.	4.0	8
23	A Branch and Bound algorithm for the minimax regret spanning arborescence. Journal of Global Optimization, 2007, 37, 467-480.	1.8	6
24	Modeling and solving the rooted distance-constrained minimum spanning tree problem. Computers and Operations Research, 2008, 35, 600-613.	4.0	38
25	The prize-collecting generalized minimum spanning tree problem. Journal of Heuristics, 2008, 14, 69-93.	1.4	17
26	Minimum power multicasting problem in wireless networks. Mathematical Methods of Operations Research, 2008, 68, 295-311.	1.0	20
27	Minimizing the Stabbing Number of Matchings, Trees, and Triangulations. Discrete and Computational Geometry, 2008, 40, 595-621.	0.6	10
28	Models and heuristics for a minimum arborescence problem. Networks, 2008, 51, 34-47.	2.7	18
29	The multi-weighted Steiner tree problem: A reformulation by intersection. Computers and Operations Research, 2008, 35, 3599-3611.	4.0	13
30	Modeling the Mobile Oil Recovery Problem as a Multiobjective Vehicle Routing Problem. Communications in Computer and Information Science, 2008, , 283-292.	0.5	2
31	A RELAX-AND-CUT ALGORITHM FOR THE KNAPSACK NODE WEIGHTED STEINER TREE PROBLEM. Asia-Pacific Journal of Operational Research, 2008, 25, 373-391.	1.3	1
32	A node rooted flow-based model for the local access network expansion problem. European Journal of Operational Research, 2010, 204, 20-34.	5.7	1
33	A mixed integer formulation for multicast flow assignment in multilayer networks. , 2010, , .		3
34	Solving the Minimum Label Spanning Tree Problem by Mathematical Programming Techniques. Advances in Operations Research, 2011, 2011, 1-38.	0.4	8
35	A Linear Programming-based Evolutionary Algorithm for the Minimum Power Broadcast Problem in Wireless Sensor Networks. Mathematical Modelling and Algorithms, 2011, 10, 145-162.	0.5	4
36	Branch-and-Cut-and-Price for Capacitated Connected Facility Location. Mathematical Modelling and Algorithms, 2011, 10, 245-267.	0.5	22

#	Article	IF	CITATIONS
37	MIP models for connected facility location: A theoretical and computational study. Computers and Operations Research, 2011, 38, 435-449.	4.0	69
38	A Parallel Lagrangian Relaxation Algorithm for the Min-Degree Constrained Minimum Spanning Tree Problem. Lecture Notes in Computer Science, 2012, , 237-248.	1.3	4
39	Lower and upper bounds for the spanning tree with minimum branch vertices. Computational Optimization and Applications, 2013, 56, 405-438.	1.6	31
40	Enhanced formulations and branch-and-cut for the two level network design problem with transition facilities. European Journal of Operational Research, 2013, 225, 211-222.	5.7	13
41	Layered Graph Approaches to the Hop Constrained Connected Facility Location Problem. INFORMS Journal on Computing, 2013, 25, 256-270.	1.7	23
42	Imposing Connectivity Constraints in Forest Planning Models. Operations Research, 2013, 61, 824-836.	1.9	93
43	Morphological and Syntactic Case in Statistical Dependency Parsing. Computational Linguistics, 2013, 39, 23-55.	3.3	18
44	Integer programming approaches for minimum stabbing problems. RAIRO - Operations Research, 2014, 48, 211-233.	1.8	0
45	Routing of two Unmanned Aerial Vehicles with communication constraints., 2014,,.		12
46	Algorithms for Routing an Unmanned Aerial Vehicle in the Presence of Refueling Depots. IEEE Transactions on Automation Science and Engineering, 2014, 11, 287-294.	5.2	177
47	A comparison of intermodal transportation service network design models. , 2015, , .		0
48	On maximizing algebraic connectivity of networks for various engineering applications. , 2015, , .		7
49	A branch and cut algorithm for minimum spanning trees under conflict constraints. Optimization Letters, 2015, 9, 41-55.	1.6	31
50	Learning in Combinatorial Optimization: What and How to Explore. SSRN Electronic Journal, 0, , .	0.4	2
51	Optimal reconfiguration of electric power distribution systems using exact approach., 2016,,.		2
52	Unified Algorithms for Online Learning and Competitive Analysis. Mathematics of Operations Research, 2016, 41, 612-625.	1.3	12
53	Min-degree constrained minimum spanning tree problem with fixed centrals and terminals: Complexity, properties and formulations. Computers and Operations Research, 2017, 84, 46-61.	4.0	10
54	Spanning trees with a constraint on the number of leaves. A new formulation. Computers and Operations Research, 2017, 81, 257-268.	4.0	5

#	ARTICLE	IF	Citations
55	A branch-and-cut algorithm for the minimum branch vertices spanning tree problem. Computers and Operations Research, 2017, 81, 322-332.	4.0	12
56	Compact mixed integer linear programming models to the minimum weighted tree reconstruction problem. European Journal of Operational Research, 2017, 256, 242-251.	5.7	11
58	Optimal design of switched Ethernet networks implementing the Multiple Spanning Tree Protocol. Discrete Applied Mathematics, 2018, 234, 114-130.	0.9	6
59	An Efficient Mixed Integer Linear Programming Model for the Minimum Spanning Tree Problem. Mathematics, 2018, 6, 183.	2.2	12
60	Spanning Trees and Arborescences. Algorithms and Combinatorics, 2018, , 133-157.	0.6	1
61	Exact solution approaches for the Multi-period Degree Constrained Minimum Spanning Tree Problem. European Journal of Operational Research, 2018, 271, 57-71.	5.7	2
62	Multicast routing under quality of service constraints for vehicular ad hoc networks: mathematical formulation and a relaxâ€andâ€fix heuristic. International Transactions in Operational Research, 2019, 26, 1339-1364.	2.7	5
63	The p-arborescence star problem: Formulations and exact solution approaches. Computers and Operations Research, 2019, 102, 91-101.	4.0	6
64	Two dependency constrained spanning tree problems. International Transactions in Operational Research, 2020, 27, 867-898.	2.7	4
65	A polyhedral study of the diameter constrained minimum spanning tree problem. Discrete Applied Mathematics, 2020, 285, 364-379.	0.9	4
66	Improving dynamic programming for travelling salesman with precedence constraints: parallel Morin–Marsten bounding. Optimization Methods and Software, 2021, 36, 1128-1154.	2.4	2
67	Learning in Combinatorial Optimization: What and How to Explore. Operations Research, 2020, 68, 1585-1604.	1.9	8
68	Solution of minimum spanning forest problems with reliability constraints. Computers and Industrial Engineering, 2020, 142, 106365.	6.3	6
69	Multi-Robot Patrolling with Sensing Idleness and Data Delay Objectives. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 949-967.	3.4	12
70	Distributionally Robust Distribution Network Configuration Under Random Contingency. IEEE Transactions on Power Systems, 2020, 35, 3332-3341.	6.5	41
71	Weighted target set selection on trees and cycles. Networks, 2021, 77, 587-609.	2.7	7
72	Exact and Approximation Algorithms for the Expanding Search Problem. INFORMS Journal on Computing, 2022, 34, 281-296.	1.7	4
73	Integer Programming Formulations for Minimum Spanning Tree Interdiction. INFORMS Journal on Computing, 0, , .	1.7	3

#	ARTICLE	IF	Citations
74	Integer linear programming formulations for the minimum connectivity inference problem and model reduction principles. Discrete Optimization, 2021, 40, 100623.	0.9	O
75	Credible Interdiction for Transmission Systems. IEEE Transactions on Control of Network Systems, 2021, 8, 738-748.	3.7	1
76	Solving Steiner trees: Recent advances, challenges, and perspectives. Networks, 2021, 77, 177-204.	2.7	29
78	Optimization Design in Wind Farm Distribution Network. Advances in Intelligent Systems and Computing, 2014, , 109-119.	0.6	7
79	On the Weight-Constrained Minimum Spanning Tree Problem. Lecture Notes in Computer Science, 2011, , $156-161$.	1.3	3
81	Efficient Algorithms for Finding the k Most Vital Edges for the Minimum Spanning Tree Problem. Lecture Notes in Computer Science, 2011, , 126-140.	1.3	4
82	Spanning Trees and Arborescences. Algorithms and Combinatorics, 2012, , 131-155.	0.6	3
83	Differential approximation of NP-hard problems with equal size feasible solutions. RAIRO - Operations Research, 2002, 36, 279-297.	1.8	3
84	Modeling Biological Processes for Reading Comprehension. , 2014, , .		103
85	Aufspannende BÄ u me und Arboreszenzen. , 2012, , 143-168.		0
86	Solving the Quorumcast Routing Problem as a Mixed Integer Program. Lecture Notes in Computer Science, 2014, , 45-54.	1.3	0
87	Trees and Forests., 2016, , 1-27.		1
88	A Feasibility Pump and a Local Branching Heuristics for the Weight-Constrained Minimum Spanning Tree Problem. Lecture Notes in Computer Science, 2017, , 669-683.	1.3	0
89	Maximum weighted induced forests and trees: new formulations and a computational comparative review. International Transactions in Operational Research, 2022, 29, 2263-2287.	2.7	4
90	Aufspannende Bäme und Arboreszenzen. , 2008, , 141-165.		0
92	Optimizing access to drinking water in remote areas. Application to Nepal. Computers and Operations Research, 2022, 140, 105669.	4.0	4
93	Twoâ€phase strategies for the biâ€objective minimum spanning tree problem. International Transactions in Operational Research, 0, , .	2.7	1
94	Political districting to minimize cut edges. Mathematical Programming Computation, 2022, 14, 623-672.	4.8	8

#	Article	IF	CITATIONS
95	The continuous maximum capacity path interdiction problem. European Journal of Operational Research, 2023, 305, 38-52.	5.7	2
96	A graph-based decomposition method for convex quadratic optimization with indicators. Mathematical Programming, 2023, 200, 669-701.	2.4	5
97	Topology-Constrained Network Design. , 2021, , 187-208.		1
98	Fixed-Charge Network Design Problems. , 2021, , 15-28.		2
99	Vertex covering with capacitated trees. Networks, 2023, 81, 253-277.	2.7	1
100	The Shortest Path in Signed Graphs. Springer Proceedings in Mathematics and Statistics, 2023, , 53-71.	0.2	O
101	MIP formulations for induced graph optimization problems: a tutorial. International Transactions in Operational Research, 2023, 30, 3159-3200.	2.7	1
102	optimization of Distribution Feeder Topology: a Differential Programming Learning Approach. , 2023, , .		O
103	New formulations for two location problems with interconnected facilities. European Journal of Operational Research, 2024, 314, 51-65.	5.7	1
105	Power distribution network configuration applying the corridor method. Computers and Industrial Engineering, 2023, 186, 109709.	6.3	О
106	Operational Research: methods and applications. Journal of the Operational Research Society, 2024, 75, 423-617.	3.4	1
107	Playing Stackelberg Security Games in perfect formulations. Omega, 2024, 126, 103068.	5.9	0