Magyar operációkutatási közlemények 1992-ben

1. Bárdossy, A. (D-KLRH), I. Bogardi (1-NL), Duckstein, L. (1-AZ-I): Fuzzy set and probabilistic techniques for health-risk analysis. Appl. Math. Comput. 45(1991) 241-268 (90B).
2. Bellay, Á. (H-BUDT): Markovian models of urban traffic. An application of the Feynman-Kac formula. Studia Sci. Math. Hungar. 25(1990) 447-456 (90B, 60J).
3. Petrov, N.N., I. Turay: A pursuit problem on a graph. Vestnik Leningrad Univ. Mat. Mekh.. Astronom. 4(1990) 12-18 (90D).
4. Fodor, J.C. (H-EOTVO-CC): Strict preference relations based on weak t-norms. Aggregation and best choices of imprecise opinions. Fuzzy Sets and Systems 43(1991) 327-336 (90A).
5. Molnár, S. (H-CMDI), F. Szidarovszky (1-AZ-I), L. Lengyel: Adaptive and extrapolative expectations in a producer-consumer multiple market. Pure Math. Appl. Ser. 1(1990) 257-278 (90A).
6. Szidarovszky, F. (1-AZ-I), S. Molnár (H-CMDI), K. Okuguchi (J-TOKYM-EC): An N-person Stackelberg leader-leader model. Appl. Math. Comput. 46(1991) 221-232 (90A).
7. Fodor, J.C. (H-EOTVO-CC), J. Pintér (H-RWAT): Extreme order statistics applied for optimum estimation in "hard" MP problems. T. of the Tenth Prague Conf. on Information Theory, Statistical Decision Functions, Random Processes, Vol. A., Reidel, Dordrecht, 321-328, 1988 (90C).
8. Szidarovszky, F. (1-AZ-I), K. Okuguchi (J-TOKYM-EC): On the existence and uniqueness of equilibrium in Cournot oligopoly with product differentiation. Pure Math. Appl. Ser. B. 1(1990) 231-239 (90D).
9. Szidarovszky, F. (H-KMU), K. Okuguchi (J-TOKYM-EC): The effects of entry in an oligopoly with multi-product firms. Pure Math. Appl. Ser. B. 2(1991) 43-51 (90A).
10. Bogmér A., I. Joó (H-AOS), A.K. Kelmans (2-MOSC): Spanning trees of a graph and network reliability. Ann. Univ. Sci. Budapest. Sect. Math. 33(1990) 239-246 (90B).
11. Boros, E. (1-RTG-OR), P.L. Hammer (1-RTG-OR): The max-cut problem and quadratic 0-1 optimization; polyhedral aspects, relaxations and bounds. Ann. Oper. Res. 33(1991) 151-180 (90C).
12. Sonnevend, Gy. (D-WRZB-A): Applications of analytic centers for the numer-

ical solution of semiinfinite, convex programs arising in control theory. System Modelling and Optimization, Lect. Notes in Contr. and Inform. Sci. 143(1990) 413-422 (49M, 90C).

13. Bayalinov, E.B. (2-AOSKR): Coordination of economic interests. Izv. Akad. Nauk Kirgiz. SSR 1990 7-13 (90A).
14. Galambos, G. (H-SZEG-AC): A 1.6 lower bound for the two-dimensional on-line rectangle bin-packing. Acta Cybernet. 10(1991) 21-24 (90B).
15. Sztrik, J. (H-LAJO): Modelling of heterogeneous multiprocessor systems with randomly changing parameters. Acta Cybernet. 10(1991) 71-84 (68M, 90B).
16. Csirik, J. (H-SZEG-C), J.B.G. Frenk (NL-ROTT-E), M. Labbé, S. Zhang (NL-ROTT-E): Heuristics for the 0-1 min-knapsack problem. Acta Cybernet. 10(1991) 15-20 (90C).
17. Frank, A. (H-EOTVO-C): Augmenting graphs to meet edge-connectivity requirements. SIAM J. on Discrete Math. 5(1992) 25-53 (90B).
18. Csenki, A. (4-ASTN-AM): The joint distribution of sojourn times in finite Markov processes. Adv. in Appl. Probab. 24(1992) 141-160 (60J, 90B).
19. den Hertog, D. (NL-DELFT), C. Roos (NL-DELFT), T. Terlaky (H-EOTVO-OR): A large-step analytic center method for a class of smooth convex programming problems. SIAM J. on Optimization 2(1992) 55-70 (90C).
20. C.H. Norton (1-MIT), S.A. Plotkin (1-STF-C), É. Tardos (1-CRNL-OR): Using separation algorithms in fixed dimensions. J. Algorithms 13(1992) 79-98 (90C).
21. J. Pintér: Lipschitzian global optimization: some prospective applications. Recent advances in global optimization, Princeton, 399-432 (1992) (90C).
22. Sonnevend, Gy. (H-EOTVO), J. Stoer (D-WRZB-A), G.Y. Zhao (D-WRZB-A): On the complexity of following the central path of linear programs by linear extrapolation. Math. Programming 52(1991) 527-553 (90C).
23. Coleman, T.F. (1-CRNL-C), P.A. Fenyes (1-GMRL): Partitioned quasi-Newton methods for nonlinear equality constrained optimization. Math. Programming 53(1992) 17-44 (90C).
24. den Hertog, D. (NL-DELFM), C. Roos (NL-DELFM), T. Terlaky (H-EOTVO): On the classical logarithmic barrier function method for a class of smooth convex programming problems. J. Opt. Theory Appl. 73(1992) 1-25 (90C).
25. Sonnevend, Gy. (H-EOTVO-NA): Applications of analytic centers. Numerical linear algebra, digital signal processing and parallel algorithms, Springer Berlin, 1991, 617-632 (90C).
26. Argyros, I.K. (1-CMRN), F. Szidarovszky (1-AZ-I): On the monotone convergence of algorithmic models. Appl. Math. Comput. 48(1992) 167-176 (90C).

27. Morvai G. (H-BUDT): Empirical log-optimal portfolio selection. Problems Control Inform. Theory 20(1991) 453-463 (90A).
28. Sztrik, J. (H-LAJO): Modelling of a single bus multiprocessor system operating in markovian environments. Comput. Math. Appl. 23(1992) 57-65 (68M, 90B).
29. Boros, E. (1-RTG-OR), Y. Crama (NL-LIMB-QE), P.L. Hammer (1-RTG-OR): Chvátal cuts and odd cycle inequalities in quadratic 0-1 optimization. SIAM J. Discrete Math. 5(1992) 163-177 (90C).
30. Kurzhanskii, A.B. (A-IASA-DS), I. Vályi (A-IASA-DS): Ellipsoidal techniques for dynamic systems: control synthesis for uncertain systems. Dynamics Control 2(1992) 87-111 (93B, 90D).
31. Fodor, J.C. (H-EOTVO-CC): Aggregation of preferences: an axiomatic approach with applications. Ann. Univ. Sci. Budapest. Sect. Comput. 12(1991) 85-91 (90C).
32. Fodor, J.C. (H-EOTVO-CC), M. Roubens (B-LIEG): Fuzzy preference modelling: an overview. Ann. Univ. Sci. Budapest. Sect. Comput. 12(1991) 93-100 (90C).
33. Kovács, M. (H-EOTVO-CC): Linear programming with centered fuzzy numbers. Ann. Univ. Sci. Budapest. Sect. Comput. 12(1991) 159-165 (90C).
34. Tardos, É. (1-CRNL-OR): Strongly polynomial and combinatorial algorithms in optimization. Proc. of the Int. Congr. of Math. 1467-1478, Tokyo (90C).
35. Bárány, I. (4-LNDUC): Fair distribution protocols or how the players replace fortune. Math. Oper. Res. 17(1992) 327-340 (90D).
36. Forgó F. (H-BUEC), M. Olajos: A family of cost allocation methods for a tree. Pure Math. Appl. 2(1991) 5-13 (90D).
37. Silverman, S., A. Nádas (1-IBM): On the game of googol as the secretary problem. Strategies for sequential search and selection in real time, 77-83, Providence, 1990 (90D).
38. Aczél J. (3-WTRL): Why, how and how not to apply mathematics to economics and to other social behavioural sciences. Grazer Math. Berichte 315(1991) 1-12 (90A).
39. Abaffy, J. (H-BUEC): Superlinear convergence theorems for Newton-type methods for nonlinear systems of equations. J. Optim. Theory Appl. 73(1992) 269-277 (90C).
40. Bollobás, B. (4-CAMB) A. Meir (1-LAS): A travelling salesman problem in the k-dimensional unit cube. Oper. Res. Letters 11(1992) 19-21 (90C).
41. Banai, M., B. Lukács: Economic examples for exactly solvable variational problems. Mat. Lapok 34(1991) 307-319 (90A).

42. Szidarovszky, F. (1-AZ-I), J. Yen (1-AZ-I): Stability of a special oligopoly market. Pure Math. Appl. 2(1991) 93-100 (90A).
43. Gargano, L. (I-SLRN-I2), J. Körner (H-AOS), U. Vaccaro (I-SLRN-I2): Search problems for two irregular coins with incomplete feedback: the underwheight model. Discrete Appl. Math. 36(1992) 191-197 (90B).
44. Fedrizzi, M. (I-TRNT), R. Fullér (D-AACH-UR): Stability in possibilistic linear programming with continuous fuzzy number parameters. Fuzzy Sets and Systems 47(1992) 187-191 (90C).
45. Kéri. G.: Methods of nonconvex quadratic optimization based on the matrix copositivity investigation. Alkalmaz. Mat. Lapok 15(1990/91) 115-132 (90C).
46. Terlaky, T. (H-EOTVO-OR): On Karmarkar type algorithms. Alkalmaz. Mat. Lapok 15(1990/91) 133-162 (90C).
47. Fukuda, K., T. Terlaky (NL-DELFM): Linear complementarity and oriented matroids. J. Oper. Res. Soc. Japan 35(1992) 45-61 (90C).
48. King, V. (1-NEC), S. Rao (1-NEC), R.E. Tarjan (1-PRIN): A faster deterministic maximum flow algorithm. Proc. of the 3rd Annual ACM-SIAM Symp. on Discrete Algorithms, 157-164, ACM, New York, 1992 (90A).
49. Dhagat, A. (3-BC-C), P. Gács (1-BOST-C), P. Winkler (1-BELL6): On playing "twenty questions" with a liar. Proc.of the 3rd Annual ACM-SIAM Symp. on Discrete Algorithms, 16-22, ACM, New York, 1992 (68P, 90D).
50. Barabás, Gy. (D-HGN): Implementing no-derivative optimizing procedures for optimization of econometric models. Adv. Stud. Theoret. Appl. Econometrics 22(1992) 121-135 (90C).
51. Plotkin, S.A. (1-STF), D.B. Shmoys (1-CRNL), É. Tardos (1-CRNL): Fast approximation algorithms for fractional packing and covering problems. 32nd Ann. Symp. on Foundations of Computer Science, IEEE, Los Alamitos, 495-504 1991, (90C, 90B).
52. Lovász, L. (H-EOTVO-C), H.E. Scarf (1-YALE-F): The generalized basis reduction algorithm. Math. Oper. Res. 17(1992) 751-764 (52, 90C).

Az összeállítás célja a magyar operációkutatási tudományos közlemények összegzése a Magyar Operációkutatási Társaság számára. A Current Mathematical Publications 1992-es évfolyama alapján készült, és azokat a közleményeket tartalmazza (az ottani megjelenés sorrendjében), amelyek ott az operációkutatáshoz voltak sorolva (90, 90A, 90B, 90C, 90D), és felismerhetően volt magyar (vagy magyarországi) szerzőjük. Minden igyekezet ellenére is kimaradhatott közlemény a felsorolásból, ezért a lista kiegészítése segítene. Bár a CMP három hetente több száz matematikai folyóiratot referál, néhány, az operációkutatás szempontjából fontos kimarad belőle. Így a fenti lista természetesen nem az összes magyar operációkutatási közleményt tartalmazza.

Ennek ellenére, bizonyos szempontból pontos képet nyújt arról, hogy mely hazai publikációk láthatók külföldön.