

## LIST OF PUBLICATIONS

## Papers in Refereed Journals:

1. U.G. Rothblum, "On orderable set functions and continuity I," *Israel Journal of Mathematics* 16 (1973), pp. 375-397.
2. U.G. Rothblum, "Multivariate constant risk posture," *Journal of Economic Theory* 10 (1975), pp. 309-332.
3. U.G. Rothblum, "Algebraic eigenspaces of nonnegative matrices," *Linear Algebra and Its Applications* 12 (1975), pp. 281-292.
4. U.G. Rothblum, "Normalized Markov decision chains I: Sensitive discount optimality," *Operations Research* 23 (1975), pp. 785-795.
5. Rothblum, U.G., "Linear programming with random selection," Solution to Problem 5723 (*SIAM Monthly* 83 (1976), pp. 64-65).
6. U.G. Rothblum, "A representation of the Drazin inverse and characterizations of the index," *SIAM Journal on Applied Mathematics* 31 (1976), pp. 646-648.
7. U.G. Rothblum, "On the number of complementary trees in a graph," *Discrete Mathematics* 15 (1976), pp. 359-371.
8. U.G. Rothblum, "Computation of the eigenprojection of a nonnegative matrix at its spectral radius," *Mathematical Programming Studies* 6 (1976), pp. 188-201.
9. U.G. Rothblum, "Orderable set functions and continuity II: Set functions with infinitely many null points," *SIAM Journal on Control and Optimization* 15 (1977), pp. 144-155.
10. R.J. Auman and U.G. Rothblum, "Orderable set functions and continuity III: Orderability and absolute continuity," *SIAM Journal on Control and Optimization* 15 (1977), pp. 156-162.
11. U.G. Rothblum, "Normalized Markov decision chains II: Optimality of nonstationary policies," *SIAM Journal on Control and Optimization* 15 (1977), pp. 221-232.
12. U.G. Rothblum, "On solving optimization problems with proportion constraints," *Mathematical Programming* 15 (1978), pp. 77-86.
13. U.G. Rothblum, "An index classification of M-matrices," *Linear Algebra and Its Applications* 23 (1979), pp. 1-12.
14. U.G. Rothblum, "A rank characterization of the number of final classes of a nonnegative matrix," *Linear Algebra and Its Applications* 23 (1979), pp. 65-68.
15. E.V. Denardo and U.G. Rothblum, "Overtaking optimality for Markov decision chains," *Mathematics of Operations Research* 4 (1979), pp. 144-152.
16. E.V. Denardo and U.G. Rothblum, "Optimal stopping, exponential utility and linear programming," *Mathematical Programming* 16 (1979), pp. 228-244.
17. U.G. Rothblum, "Bounds on the indices of spectral-circle eigenvalues of a nonnegative matrix," *Linear Algebra and Its Applications* 29 (1980), pp. 445-450.
18. U.G. Rothblum and H. Schneider, "Characterizations of optimal scalings of matrices," *Mathematical Programming* 19 (1980), pp. 121-136.
19. U.G. Rothblum, "Expansions of sums of matrix powers," *SIAM Review* 23 (1981), pp. 143-164.
20. U.G. Rothblum, "Resolvent expansions of matrices and applications," *Linear Algebra and Its Applications* 38 (1981), pp. 33-49.
21. U.G. Rothblum, "Sensitive growth analysis of multiplicative systems I: The dynamic approach," *SIAM Journal on Algebraic and Discrete Methods* 2 (1981), pp. 25-34.

22. A.E. Roth and U.G. Rothblum, "Risk aversion and Nash's solution for bargaining games with risky outcomes," *Econometrica* 50 (1982), pp. 639-647.
23. A.K. Chakravarty, J.B. Orlin and U.G. Rothblum, "A partitioning problem with additive objective with an application to optimal inventory groupings for joint replenishment," *Operations Research* 30 (1982), pp. 1018-1022.
24. U.G. Rothblum and H. Schneider, "Characterizations of extreme normalized circulations satisfying linear constraints," *Linear Algebra and Its Applications* 46 (1982), pp. 61-72.
25. U.G. Rothblum and P. Whittle, "Growth optimality for branching Markov decision chains," *Mathematics of Operations Research* 7 (1982), pp. 582-601.
26. E.V. Denardo, G. Huberman and U.G. Rothblum, "Optimal locations on a line are interleaved," *Operations Research* 30 (1982), pp. 745-759.
27. U.G. Rothblum, R. Karni and E. Gelfand, "A dynamic programming formulation of a production sequencing problem," *Computers and Industrial Engineering* 7 (1983), pp. 69-75.
28. E.V. Denardo and U.G. Rothblum, "Affine structure and invariant policies for dynamic programming," *Mathematics of Operations Research* 8 (1983), pp. 342-365.
29. U.G. Rothblum and C.P. Tan, "Multiplicative processes reaching stationarity in finite time," *Linear Algebra and Its Applications* 55 (1983), pp. 155-167.
30. M.V. Golitschek, U.G. Rothblum and H. Schneider, "A conforming resolution theorem, a nonlinear theorem of the alternative and scalings of matrices satisfying lower and upper bounds," *Mathematical Programming* 27 (1983), pp. 291-306.
31. U.G. Rothblum, "Multiplicative Markov decision chains," *Mathematics of Operations Research* 9 (1984), pp. 6-24.
32. M. Haviv and U.G. Rothblum, "Bounds on distances between eigenvalues," *Linear Algebra and Its Applications* 63 (1984), pp. 101-118.
33. U.G. Rothblum, "Explicit solutions to optimization problems on the intersections of the unit ball of the  $l_1$  and  $l_\infty$  norms with a hyperplane," *SIAM Journal on Algebraic and Discrete Methods* 5 (1984), pp. 619-632.
34. G.B. Dantzig, B.C. Eaves and U.G. Rothblum, "A decomposition and scaling-inequality for line-sum-symmetric nonnegative matrices," *SIAM Journal on Algebraic and Discrete Methods* 6 (1985), pp. 237-241.
35. J.B. Orlin and U.G. Rothblum, "Computing optimal scalings by parametric network algorithms," *Mathematical Programming* 32 (1985), pp. 1-10.
36. U.G. Rothblum and C.P. Tan, "Upper bounds on the maximum modulus of subdominant eigenvalues of nonnegative matrices," *Linear Algebra and Its Applications* 66 (1985), pp. 45-86.
37. A.D. Chakravarty, J.B. Orlin and U.G. Rothblum, "Consecutive optimizers for a partitioning problem with applications to optimal inventory grouping for joint replenishment," *Operations Research* 33 (1985), pp. 820-834.
38. B.C. Eaves, A.J. Hoffman, U.G. Rothblum and H. Schneider, "Line-sum-symmetric scalings of square nonnegative matrices," *Mathematical Programming Study* 25 (1985), pp. 124-141.
39. U.G. Rothblum, "Ratios of affine functions," *Mathematical Programming* 32 (1985), pp. 357-365.
40. U.G. Rothblum and S. Winter, "Asymptotic behavior of market shares for a stochastic growth model," *Journal of Economic Theory* 36 (1985), pp. 352-366.
41. U.G. Rothblum, "A simple proof for the Kleinberg Weiss representation of the Shapley value," *Econometric Letters* 19 (1985), pp. 137-139.
42. K.M. Anstreicher and U.G. Rothblum, "Computing the index and Drazin inverse using the shuffle algorithm," *Linear Algebra and Its Applications* 80 (1986), pp. 176-180.

43. U.G. Rothblum, "An inequality" - solution to problem 85-20, *SIAM Review* 28 (1986), pp. 573-574.
44. K.M. Anstreicher and U.G. Rothblum, "Using Gauss-Jordan elimination to compute the index, generalized null spaces and Drazin inverse," *Linear Algebra and Its Applications* 85 (1987), pp. 221-239.
45. M. Haviv, Y. Ritov and U.G. Rothblum, "Iterative methods for approximating the subdominant modulus of an eigenvalue of a nonnegative matrix," *Linear Algebra and Its Applications* 87 (1987), pp. 61-75.
46. B.C. Eaves and U.G. Rothblum, "Invariant polynomial curves of piecewise linear maps," *SIAM Journal on Control and Optimization* 26 (1987), pp. 401-416.
47. B.C. Eaves and U.G. Rothblum, "A discrete time average cost flexible manufacturing and operator scheduling problem solved by deconvexification over time," *Operations Research* 36 (1988), pp. 242-257.
48. E.V. Denardo, U.G. Rothblum and A.J. Swersey, "A transportation problem in which costs depend on the order of arrival," *Management Science* 34 (1988), pp. 774-783.
49. D. Hershkowitz, U.G. Rothblum and H. Schneider, "Classifications of nonnegative matrices using diagonal equivalence," *SIAM Journal on Matrix Analysis and Applications* 9 (1988), pp. 455-460.
50. D. Hershkowitz, U.G. Rothblum and H. Schneider, "Characterizations and classifications of M-matrices using generalized null spaces," *Linear Algebra and Its Applications* 109 (1988), pp. 59-70.
51. B.C. Eaves and U.G. Rothblum, "A continuous-time average-cost flexible manufacturing and operator scheduling model solved by deconvexification over time," *Linear Algebra and Its Applications* 114/115 (1989), pp. 417-428.
52. U.G. Rothblum and H. Schneider, "Scalings of matrices which have prespecified row-sums and column-sums via optimization," *Linear Algebra and Its Applications* 114/115 (1989), pp. 737-764.
53. U.G. Rothblum, "Generalized scalings satisfying linear equations," *Linear Algebra and Its Applications* 114/115 (1989), pp. 765-784.
54. U.G. Rothblum, "Alan J. Hoffman - Biography," *Linear Algebra and Its Applications* 114/115 (1989), pp. 1-16.
55. D. Hershkowitz, U.G. Rothblum and H. Schneider, "The combinatorial structure of the generalized nullspace of a block triangular matrix," *Linear Algebra and Its Applications* 116 (1989), pp. 9-26.
56. B.C. Eaves and U.G. Rothblum, "A theory on extending algorithms for parametric problems," *Mathematics of Operations Research* 14 (1989), pp. 502-533.
57. M.J. Rosenblatt and U.G. Rothblum, "On the single resource capacity problem for multi-item inventory systems," *Operations Research* 38 (1990), pp. 686-693.
58. B.C. Eaves and U.G. Rothblum, "Relationships between properties of piecewise affine maps over ordered fields," *Linear Algebra and Its Applications* 132 (1990), pp. 1-63.
59. C. Courcoubetis and U.G. Rothblum, "On optimal packing of randomly arriving objects," *Mathematics of Operations Research* 16 (1991), pp. 176-194.
60. D. Granot and U.G. Rothblum, "The Pareto set of the partition bargaining game," *Games and Economic Behavior* 3 (1991), pp. 163-182.
61. B.C. Eaves and U.G. Rothblum, "Dines-Fourier-Motzkin quantifier elimination and an application of corresponding transfer principles over ordered fields," *Mathematical Programming* 53 (1992), pp. 307-321.
62. E.R. Barnes, A.J. Hoffman and U.G. Rothblum, "Optimal partitions having disjoint convex and conic hulls," *Mathematical Programming* 54 (1992), pp. 69-86.
63. U.G. Rothblum, "Characterization of stable matchings as extreme points of a polytope," *Mathematical Programming* 54 (1992), pp. 57-67.
64. E. Roth, U.G. Rothblum and J.H. Vande Vate, "Stable marriages: substituting linearity for discreteness," *Linear Algebra and Its Applications* 167 (1992), pp. 252-257.

65. M. Haviv, Y. Ritov and U.G. Rothblum, "Taylor expansions of eigenvalues of perturbed matrices with applications to spectral radii of nonnegative matrices," *Linear Algebra and Its Applications* 168 (1992), pp. 159-188.
66. U.G. Rothblum and S.A. Zenios, "Scalings of matrices satisfying line-product constraints and generalizations," *Linear Algebra and Its Applications* 175 (1992), pp. 159-175.
67. U.G. Rothblum, H. Schneider and M. H. Schneider, "Characterization of max-balanced flows," *Discrete Applied Mathematics* 39, (1992), pp. 241-261.
68. U.G. Rothblum, "Linear inequality scaling problems," *SIAM Journal on Optimization* 2 (1992), pp. 635-648.
69. F.K. Hwang and U.G. Rothblum, "A generalization of an engineering principle," *Operations Research Letters* 12 (1992), pp. 197-199.
70. O. Gross and U.G. Rothblum, "Approximations of the spectral radius, corresponding eigenvector and second largest modulus of an eigenvalue for square nonnegative irreducible matrices," *SIAM Journal on Matrix Analysis and Applications* 14 (1993), pp. 15-32.
71. U.G. Rothblum, "Using a characterization of feasibility of transportation problems to establish the pairwise connectedness of  $\mathbb{R}^n$  with respect to partial orders," *Bulletin of Inst. Math. of Academia Sinica* 21 (1993), pp. 131-141.
72. J.E. Cohen and U.G. Rothblum, "Nonnegative ranks, decompositions and factorizations of nonnegative matrices," *Linear Algebra and Its Applications* 190 (1993), pp. 149-168.
73. A.E. Roth, U.G. Rothblum and J.H. Vande Vate, "Stable matchings, optimal assignment and linear programming," *Mathematics of Operations Research* 18 (1993), pp. 803-828.
74. F.K. Hwang and U.G. Rothblum, "Majorization and Schur convexity with respect to partial orders," *Mathematics of Operations Research* 18 (1993), pp. 928-944.
75. B.C. Eaves and U.G. Rothblum, "A class of 'onto' multifunctions," *Mathematical Programming* 61 (1993), pp. 327-343.
76. R.S. Klein, H. Luss and U.G. Rothblum, "Minimax resource allocation problems with network type substitutionable resources," *Operations Research* 41 (1993), pp. 959-971.
77. F.K. Hwang, U.G. Rothblum and L. Shepp, "Monotone optimal multi-partitions using Schur convexity with respect to partial orders," *SIAM Journal on Discrete Mathematics* 6 (1993), pp. 533-547.
78. M.J. Rosenblatt and U.G. Rothblum, "The optimality of the 'cut across the board' rule applied to an inventory model," *IIE Transactions* 26 (1994), pp. 102-108.
79. U.G. Rothblum, H. Schneider and M. H. Schneider, "Scalings of matrices which have prespecified row-maxima and column-maxima," *SIAM Journal on Matrix Analysis* 15, (1994), pp. 1-15.
80. F.K. Hwang and U.G. Rothblum, "Constrained partitioning problems," *Discrete Applied Mathematics* 50 (1994), pp. 93-96.
81. A.J. Hoffman and U.G. Rothblum, "A proof of the convexity of the range of nonatomic vector measure using linear inequalities," *Linear Algebra and Its Applications* 199 (1994), pp. 373-379.
82. U.G. Rothblum and M.H. Rothkopf, "Dynamic recomputation can't extend the optimality-range of priority indices," *Operations Research* 42 (1994), pp. 669-676.
83. F.K. Hwang and U.G. Rothblum, "Optimality of monotone assemblies for coherent systems composed of series modules," *Operations Research* 42 (1994), pp. 709-720.
84. H. Abeledo and U.G. Rothblum, "Stable matchings and linear inequalities," *Discrete Applied Mathematics* 54 (1994), pp. 1-27.
85. R.S. Klein, H. Luss and U.G. Rothblum, "On minimax optimization problems," *Mathematical Programming* 64 (1994), pp. 337-363.

86. B.C. Eaves and U.G. Rothblum, "Formulation of linear problems and solution by a universal machine," *Mathematical Programming* 65 (1994), pp. 263-310.
87. H. Abeledo and U.G. Rothblum, "Courtship and linear programming," *Linear Algebra and Its Applications* 216 (1995), pp. 111-124.
88. H. Abeledo and U.G. Rothblum, "Paths to marriage stability," *Discrete Applied Mathematics* 63 (1995), pp. 1-12.
89. B.C. Eaves, U.G. Rothblum and H. Schneider, "Perron-Frobenius theory over real closed fields and fractional power series expansions," *Linear Algebra and Its Applications* 220 (1995), pp. 123-150.
90. R.S. Klein, H. Luss and U.G. Rothblum, "Multiperiod allocation of substitutable resources," *European Journal of Operational Research* 85 (1995), pp. 488-503.
91. F.K. Hwang and U.G. Rothblum, "Some comments on the optimal assembly problem," *Naval Research Logistics* 42 (1995), pp. 757-771.
92. B.C. Eaves and U.G. Rothblum, "A discounted-cost continuous-time flexible manufacturing and operator scheduling model solved by deconvexification over time," *Probability in the Engineering Sciences* 9 (1995), pp. 65-88.
93. F.K. Hwang and U.G. Rothblum, "Assembly at system level versus component level," *Operations Research Letters* 17 (1995), pp. 153-157.
94. B.C. Eaves and U.G. Rothblum, "Linear problems and linear algorithms," *Journal of Symbolic Computation* 20 (1995), pp. 207-214.
95. O. Güler, A.J. Hoffman and U.G. Rothblum, "Approximations to solutions to systems of linear inequalities," *SIAM Journal on Matrix Analysis* 16 (1995), pp. 688-696.
96. H. Abeledo, Y. Blum and U.G. Rothblum, "Canonical monotone decompositions of fractional stable matchings," *The International Journal of Game Theory* 25 (1996), pp. 161-176.
97. F.K. Hwang, U.G. Rothblum and Y-C Yao, "Localizing combinatorial properties of partitions," *Discrete Mathematics* 160 (1996), pp. 1-23.
98. F.K. Hwang and U.G. Rothblum, "Directional-quasi-convexity, asymmetric Schur-convexity and optimality of consecutive partitions," *Mathematics of Operations Research* 21 (1996), pp. 540-554.
99. B.C. Eaves and U.G. Rothblum, "Approximations and complexity for computing algebraic curves," *Lectures in Applied Mathematics, American Mathematical Society* 32 (1996), pp. 307-321.
100. M. Katehakis and U.G. Rothblum, "Finite state multi-armed bandit problems: sensitive-discount-optimality, average-reward-optimality and average-overtaking-optimality," *The Annals of Applied Probability* 6 (1996), pp.1024-1034.
101. U.G. Rothblum and H. Schneider, "A solution of a nonlinear system arising in spectral perturbation theory of nonnegative matrices," *Linear Algebra and Its Applications* 258 (1997), pp. 53-80.
102. D. Coppersmith, A.J. Hoffman and U.G. Rothblum, "Inequalities of Rayleigh quotients and bounds on the spectral radius of nonnegative symmetric matrices," *Linear Algebra and Its Applications* 263 (1997), pp. 201-220.
103. Y. Blum, A.E. Roth and U.G. Rothblum, "Vacancy chains and equilibration in senior-level labor markets," *Journal of Economic Theory* 76 (1997), pp. 362-411.
104. D.J. Hartfiel and U.G. Rothblum, "Convergence of inhomogenous products of matrices and coefficients of ergodicity," *Linear Algebra and Its Applications* 277 (1998), pp. 1-9.
105. F.K. Hwang, S. Onn and U.G. Rothblum, "Representations and characterizations of vertices of bounded-shape partition polytopes," *Linear Algebra and Its Applications* 278 (1998), pp. 263-284.
106. U.G. Rothblum and Y. Vardi, "Explicit maximum likelihood estimator of cell probabilities in constrained multinomial models," *Journal of Statistical Computation and Simulation* 61 (1998), pp. 141-161.

107. A.E. Roth and U.G. Rothblum, "Truncation strategies in matching markets - in search of advice for participants," *Econometrica* 67 (1999), pp. 21-43.
108. B. Gao, F.K. Hwang, W. W-C. Li and U.G. Rothblum, "Partition-polytopes over 1-dimensional points," *Mathematical Programming* 85 (1999), pp. 335-362.
109. G.J. Chang, F.L. Chen, L.L. Huang, F.K. Hwang, S.T. Nuan, U.G. Rothblum, I.F. Sun, J.W. Wang and H.G. Yeh, "Sortabilities of partition properties," *Journal of Combinatorial Optimization* 2 (1999), 413-427.
110. B.C. Eaves and U.G. Rothblum, "Arithmetic continuation of regular roots of formal parametric polynomial systems," *Computational Optimization and Applications* 12 (1999), pp.189-205.
111. F.K. Hwang, S. Onn and U.G. Rothblum, "A polynomial time algorithm for shaped partition problems," *SIAM Journal on Optimization* 10 (1999), pp. 70-81.
112. Nemirovski and U.G. Rothblum, "On complexity of matrix scaling," *Linear Algebra and Its Applications* 302-303 (1999), pp. 435-460.
113. F.K. Hwang, S. Onn and U.G. Rothblum, "Linear shaped partition problems," *Operations Research Letters* 26 (2000), pp. 159-163.
114. P.L. Hammer, A. Kogan and U.G. Rothblum, "Evaluation, Strength, and Relevance of Variables of Boolean Functions," *SIAM Journal on Discrete Mathematics* 13 (2000), pp. 302-312.
115. F.K. Hwang, S. Onn and U.G. Rothblum, "Explicit solution of partitioning problems over a one-dimensional parameter space," *Naval Research Logistics* 47 (2000), pp. 531-540.
116. S. Aviran, N. Lev-Tov, S. Onn and U.G. Rothblum, "Vertex characterization of partition polytopes of planar point sets," *Discrete Applied Mathematics* 125 (2002), pp. 1-15.
117. Y. Blum and U.G. Rothblum, " 'Timing is everything' and marital bliss," *Journal of Economic Theory* 103 (2002), pp. 429-443.
118. F.K. Hwang and J.S. Lee, Y.C. Liu and U.G. Rothblum, "Sortability of vector partitions," *Discrete Mathematics* 263 (2003), pp 129-142.
119. E.V. Denardo, U.G. Rothblum and L. van der Heyden, "Index policies for stochastic search in a forest with an application to R&D project Management," *Mathematics of Operations Research* 29 (2004), pp. 162-181.
120. B.C. Eaves, P.W. Glynn and U.G. Rothblum, "The mean number-in-system vector range for a multi-class queueing network," *Mathematics of Operations Research* 29 (2004), pp.182-190.
121. F.K. Hwang J.S. Lee and U.G. Rothblum, "Permutation polytopes corresponding to strongly supermodular functions," *Discrete Applied Mathematics* 142 (2004), pp. 87-97.
122. U.G. Rothblum, "A comment on F.K. Hwang, Y.M. Wang and J.S. Lee: 'sortability of multipartitions'," *Journal of Global Optimization* 29 (2004), pp. 121-123.
123. S. Onn and U.G. Rothblum, "Convex combinatorial optimization," *Discrete and Computational Geometry* 32 (2004), pp. 549-566. **Winner of the Operations Research Society (ORSIS) 2005 prize for excellence in research in Operations Research.**
124. F.K. Hwang and U.G. Rothblum, "Partition-optimization with Schur convex sum objective functions," *SIAM Journal on Discrete Mathematics* 18 (2005), pp. 512--524.
125. S. Onn, U.G. Rothblum and Y. Tangir, "Edge-directions of Polyhedra with applications to network flows," *Journal of Global Optimization* 33 (2005), pp. 109-122.
126. B. Goalny and U.G. Rothblum, "Inducing coordination in supply chain systems through linear rewards schemes," *Naval Research Logistics* 53 (2005), pp. 1-15.
127. E.V. Denardo and U.G. Rothblum, "Totally expanding multiplicative systems," *Linear Algebra and Its Applications*, 406 (2005), pp. 142-158.
128. E.V. Denardo and U.G. Rothblum, "A turnpike theorem for a risk-sensitive Markov decision chain with stopping," *SIAM Journal on Control and Optimization*.45 (2006), pp. 414-431.

129. F.H. Chang, H.B. Chen, J.Y. Guo, F.K. Hwang and U.G. Rothblum, "One-dimensional optimal bounded-shape partitions for Schur convex sum objective function," *The Journal of Combinatorial Optimization* 11 (2006), pp. 321-339.
130. F.K. Hwang and U.G. Rothblum, "A Polytope approach to the optimal assembly problem," *Journal of Global Optimization* 35 (2006), pp. 387-403.
131. F.H. Chang, F.K. Hwang and U.G. Rothblum, "The mean-partition problem," *The Journal of Global Optimization* 36 (2006), pp. 21-31.
132. A. Berman and U.G. Rothblum, "A note on the computation of the CP-rank," *Linear Algebra and Its Applications* 406 (2006), pp 1-7.
133. B. Avi-Itzhak, Golany and U.G. Rothblum, "Strategic equilibrium vs. global optimum for a pair of competing servers," *The Journal of Applied Probability* 43 (2006), pp. 1165-1172.
134. E.V. Denardo, H. Park and U.G. Rothblum, "Risk-sensitive and risk-neutral multi-armed bandits," *MOR* 32 (2007), pp. 374-394.
135. U.G. Rothblum, "Bounding the inefficiency of Nash equilibria in games with finitely many players," *Operations Research Letters* 35 (2007), pp. 700-706.
136. S. Onn and U.G. Rothblum, "The use of edge-directions and linear programming to enumerate vertices," *The Journal of Combinatorial Optimization* 14 (2007), pp. 153-164.
137. U.G. Rothblum and R. Shorten, "Nonlinear AIMD congestion control and contraction mappings," *SIAM Journal on Control and Optimization* 46 (2007), pp. 1882-1896.
138. N. Halman, S. Onn and U.G. Rothblum, "The Convex Dimension of a Graph," *Discrete Applied Mathematics* 155 (2007), pp. 1373-1383.
139. U.G. Rothblum and Y. Tangir, "The partition bargaining problem," *Discrete Applied Mathematics* 156 (2008), pp. 428-443.
140. B. Golany, F.K. Hwang and U.G. Rothblum, "Sphere-separable partitions of multi-parameter elements," *Discrete Applied Mathematics* 156 (2008), pp. 838-845.
141. N. Perach, J. Polak and U.G. Rothblum, "Stable matching model with an entrance criterion applied to the assignment of students to dormitories at the Technion," *The International Journal of Game Theory* 36 (2008), pp. 519-535.
142. U.G. Rothblum and J. Sethuraman, "Stochastic scheduling in an in-forest," *Discrete Optimization* 5 (2008), pp. 457-466.
143. A. Berman, S. Friedland, L. Hogben, U.G. Rothblum and B. Shader, "Minimum rank of matrices described by a graph or pattern over the rational, real and complex numbers," *The Electronic Journal of Combinatorics* 15 (2008), #R25, pp.1-19.
144. F.K. Hwang, J.S. Lee and U.G. Rothblum "Equivalence of permutation polytopes corresponding to strictly supermodular functions," *Discrete Applied Mathematics* 156 (2008), 2336-2343.
145. A. Berman, S. Friedland, L. Hogben, U.G. Rothblum and B. Shader, "An upper bound for the minimum rank of a graph," *Linear Algebra and Its Applications* 429 (2008), 1629-1638.
146. Golany and U.G. Rothblum, "Optimal investment in development projects," *Operations Research Letters* 36 (2008), pp.657-661.
147. B. Golany, E.H. Kaplan, A. Marmur and U.G. Rothblum, "Nature plays with dice - terrorists do not: allocating resources to counter strategic and probabilistic risks," *European Journal of Operations Research*, 192 (2009), pp. 198-208.
148. J. De Loera, R. Hemmecke, S. Onn, U.G. Rothblum and R. Weismantel, "Convex integer maximization via Graver bases," *Pure and Applied Algebra* 213 (2009), pp. 1569-1577.

149. U.G. Rothblum, "Efficient solution of a stochastic scheduling problem on an out-forest--revisited," *SIAM Journal on Optimization* 20 (2009), pp. 903-914.
150. A. Elhashash, U.G. Rothblum and D.B. Szyld, "Paths of matrices with the strong Perron-Frobenius property converging to a given matrix with the Perron-Frobenius property", *The Electronic Linear Algebra Journal* 19 (2009), pp. 90-97.
151. F.K Hwang and U.G. Rothblum, "On the number of separable partitions," accepted for publication in *The Journal of Combinatorial Optimization*, 16 pages.
152. A. Nemirovski, S. Onn and U.G. Rothblum, "Accuracy certificates for computational problems with convex structure," *Mathematics of Operations Research* 35 (2010), pp. 52-78.
153. N. Perach and U.G. Rothblum, "Incentive Compatibility for the Stable Matching Model with an Entrance Criterion," accepted for publication in *The International Journal of Game Theory*, 17 pages.
154. H. Chang, F.K. Hwang and U.G. Rothblum, "A new approach to solve open-partition problems," accepted for publication in *The Journal of Combinatorial Optimization*, 18 pages.

#### Papers in Edited Refereed Volumes:

1. E.V. Denardo and U.G. Rothblum, "Affine dynamic programming," in *Dynamic Programming and Its Applications*, edited by M.L. Puterman, (1978), Academic Press, pp. 255-267.
- 1a. E.V. Denardo and U.G. Rothblum, "Affine dynamic programming," *Advances of Applied Probability* 9 (1977), p. 233.
2. U.G. Rothblum, "Solving stopping stochastic games by maximizing a linear function subject to quadratic constraints," in *Game Theory and Related Topics*, edited by O. Moeschlin and D. Pallaschke (1979), North-Holland Publishing Company, pp. 103-105.
3. U.G. Rothblum, "Iterated successive approximation for sequential decision processes," in *Stochastic Control and Optimization*, edited by J.W.B. van Overhagen and H.C. Tijms (1979), pp. 30-32.
4. U.G. Rothblum, "Convergence properties of powers of matrices with applications to iterative methods for solving linear systems," in *Extremal Methods and Systems Analysis*, Lecture Notes in Economics and Mathematical Systems 174 (1980), Springer-Verlag, edited by A.V. Fiacco and K.O. Kortanek, pp. 231-247.
5. U.G. Rothblum, "Combinatorial representation of the Shapley value based on average relative payoffs," in *The Shapley Value - Essays in Honor of Lloyd S. Shapley* (1988), edited by A.E. Roth, pp. 121-126.
6. U.G. Rothblum and R. Shorten, "Nonlinear AIMD congestion control and contraction mappings," in *Positive Systems*, Lecture Notes in Control and Information Sciences 341 (2006), Springer Verlag, edited by C. Commault and N. Marchand, pp. 193-200.
7. U.G. Rothblum, "Nonnegative matrices and stochastic matrices," in *Handbook on Linear Algebra*, edited by L. Hogban, R. Brualdi, A. Greenbaum and R. Mathias, 2006. **Recognized as an "OUTSTANDING ACADEMIC TITLE" for 2008 by Choice magazine.**
8. I. Ben-Arroyo Hartman, M. Penn, S. Naor and U.G. Rothblum, "The Third Haifa Workshop on interdisciplinary Applications of Graph Theory, Combinatorics, and Algorithm," *Discrete Applied Mathematics* 156 (2008), pp. 407-408.
9. I. Ben-Arroyo Hartman, M. Penn, S. Naor and U.G. Rothblum, "Editorial," *Discrete Applied Mathematics* 156 (2008), pp. 410-411.

#### Book Reviews:

1. U.G. Rothblum, *Two Sided Matchings: A Study in Game-Theoretic Modeling and Analysis* (by A.E. Roth and M.A. Oliveira Sotomayor), *Games and Economic Behavior* 4 (1992), pp.161-165.
2. U.G. Rothblum, *Selected Papers of Alan Hoffman*, (edited by C.A. Micchelli), *Operations Research Letters* (2004) 32, pp. 591-594.