Wenan Zang

Publications

1. *Densities, Matchings, and Fractional Edge-Colorings*, SIAM J. Optim., to appear. (with X. Chen and Q. Zhao)

2. *When is the Matching Polytope Box-totally Dual Integral?* Math. Oper. Res. **43** (2018), 64-99. (with G. Ding and L. Tan)

3. *On Box-Perfect Graphs*, J. Combin. Theory Ser. B **128** (2018), 17-46. (with G. Ding and Q. Zhao)

4. *A Polyhedral Description of Kernels*, Math. Oper. Res. **41** (2016), 969-990. (with Q. Chen and X. Chen)

5. *Coloring Digraphs with Forbidden Cycles*, J. Combin. Theory Ser. B, **115** (2015), 210-223. (with Z. Chen and J. Ma)

6. *Nowhere-Zero 3-Flows in Signed Graphs*, SIAM J. Discrete Math. **28** (2014), 1628-1637. (with Y. Wu, D. Ye and C.Q. Zhang)

7. *An Optimal Binding Number Condition for Bipancyclism*, SIAM J. Discrete Math. **27** (2013), 597-618. (with Z. Hu and K. Law)

8. *Approximate Min-Max Relations on Plane Graphs*, J. Comb. Optim. **26** (2013), 127-134. (J. Ma and X. Yu)

9. *The Circumference of a Graph with no $K_{3,t}$-Minor, II*, J. Combin. Theory Ser. B **102** (2012), 1211-1240. (with G. Chen and X. Yu)

10. *The Maximum-Weight Stable Matching Problem: Duality and Efficiency*, SIAM J. Discrete Math. **26** (2012), 1346-1360. (with X. Chen, G. Ding and X. Hu)

11. *Total Dual Integrality in Some Facility Location Problems*, SIAM J. Discrete Math. **26** (2012), 1022-1030. (with X. Chen and Z. Chen)

12. *Bonds with Parity Constraints*, J. Combin. Theory Ser. B **102** (2012), 588-609. (with X. Chen, G. Ding and X. Yu)

13. *Approximating the Chromatic Index of Multigraphs*, J. Comb. Optim. **21** (2011), 219-246. (with G. Chen and X. Yu)

14. *A Unified Approach to Box-Mengerian Hypergraphs*, Math. Oper. Res. **35** (2010), 655-668. (with X. Chen and Z. Chen)

15. *Packing Circuits in Matroids*, Math. Program. Ser. A **119** (2009), 137-168. (with G. Ding)

16. *A Characterization of Almost CIS Graphs*, SIAM J. Discrete Math. **23** (2009), 749-753. (with Y. Wu and C.Q. Zhang)

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18. *Odd K_4's in Stability Critical Graphs*, Discrete Math. **309** (2009), 5982-5985. (with Z. Chen)

19. *A Characterization of Box-Mengerian Matroid Ports*, Math. Oper. Res. **33** (2008), 497-512. (with X. Chen and G. Ding)

20. *The Complexity of Recognizing Linear Systems with Certain Integrality Properties*, Math. Program. Ser. A **114** (2008), 321-334. (with G. Ding and L. Feng)

21. *Realizing Degree Sequences with Graphs Having Nowhere-Zero 3-Flows*, SIAM J. Discrete Math. **22** (2008), 500-519. (with R. Luo, R. Xu and C.Q. Zhang)

22. *A Min-Max Theorem on Tournaments*, SIAM J. Comput. **37** (2007), 923-937. (with X. Chen and X. Hu)

23. *A Min-Max Relation on Packing Feedback Vertex Sets*, Math. Oper. Res. **31** (2006), 777-788. (with X. Chen, G. Ding and X. Hu)

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26. *Differential Methods for Finding Independent Sets in Hypergraphs*, SIAM J. Discrete Math. **20** (2006), 96-104. (with Y. Li)

27. *An Efficient Algorithm for Finding Maximum Cycle Packings in Reducible Flow Graphs*, Algorithmica **44** (2006), 195-211. (with X. Chen)

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29. *A Combinatorial Algorithm for Minimum Weighted Colorings of Claw-Free Perfect Graphs*, J. Comb. Optim. **9** (2005), 331-347. (with X. Li)

30. *Perfect Circular Arc Coloring*, J. Comb. Optim. **9** (2005), 267-280. (with X. Chen and Z. Hu)

31. *Ramsey Functions Involving $K_{m,n}$ with n Large*, Discrete Math. **300** (2005), 120-128. (with Y. Li and X. Tang)

32. *Nowhere-Zero 4-Flows, Simultaneous Edge-Colorings, and Critical Partial Latin Squares*, Combinatorica **24** (2004), 641-657. (with R. Luo and C.Q. Zhang)

33. *Proof of Chvátal's Conjecture on Maximal Stable Sets and Maximal Cliques in Graphs*, J. Combin. Theory Ser. B **91** (2004), 301-325. (with X. Deng and G. Li)

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39. *Packing Cycles in Graphs, II*, J. Combin. Theory Ser. B **87** (2003), 244-253. (with G. Ding and Z. Xu)

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41. *A Min-Max Theorem on Feedback Vertex Sets*, Math. Oper. Res. **27** (2002), 361-371. (with M. Cai and X. Deng)

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45. *Totally Balanced Combinatorial Optimization Games*, Math. Program. Ser. A **87** (2000), 441-452. (with X. Deng, T. Ibaraki and H. Nagamochi)

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51. *Proof of Toft's Conjecture: Every Graph Containing no Fully Odd K_4 is 3-Colorable*, J. Comb. Optim. **2** (1998), 117-188.

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54. *The Maximum Number of Diagonals of a Cycle in a Block and Its Extremal Graphs*, Discrete Math. **89** (1991), 51-63. (with F. Tian)