Publication List

Chun-Hung Liu

October 15, 2017

1. G. J. Chang and C.-H. Liu, *Roman domination on 2-connected graphs*, SIAM J. Discrete Math. 26 (2012), 193–205.

2. G. J. Chang and C.-H. Liu, *Upper bounds on Roman domination numbers of graphs*, Discrete Math. 312 (2012), 1386–1391.

3. N. Jafari Rad and C.-H. Liu, *Trees with strong equality between the Roman domination number and the unique response Roman domination number*, Australas. J. Combin. 54 (2012), 133–140.

4. G. J. Chang and C.-H. Liu, *Roman domination on strongly chordal graphs*, J. Comb. Optim. 26 (2013), 608–619.

5. D. Král', C.-H. Liu, J.-S. Sereni, P. Whalen and Z. Yilma, *A new bound for the 2/3 conjecture*, Combin. Probab. Comput. 22 (2013), 384–393.

6. C.-H. Liu and G. Yu, *Linear colorings of subcubic graphs*, European J. Combin. 34 (2013), 1040–1050.

7. C.-H. Liu, *An upper bound on the fractional chromatic number of triangle-free subcubic graphs*, SIAM J. Discrete Math. 28 (2014), 1102-1136.

8. W. Abbas, M. Egerstedt, C.-H. Liu, R. Thomas and P. Whalen, *Deploying robots with two sensors in $K_{1,6}$-free graphs*, J. Graph Theory 82 (2016), 236–252.

9. G. J. Chang, S.-H. Chen and C.-H. Liu, *Edge Roman domination on graphs*, Graphs Combin. 32 (2016), 1731–1747.

10. T. Kelly and C.-H. Liu, *Minimum size of feedback vertex sets of planar graphs of girth at least five*, European J. Combin. 61 (2017), 138–150.

11. C.-H. Liu and L. Postle, *On the minimum edge-density of 4-critical graphs of girth five*, J. Graph Theory. (Accepted.) doi:10.1002/jgt.22133.

12. C.-H. Liu and S. Oum, *Partitioning H-minor free graphs into three subgraphs with no large components*, J. Combin. Theory Ser. B. (Accepted.) doi:10.1016/j.jctb.2017.08.003.

13. C.-H. Liu and J. Ma, *Cycle lengths and minimum degree of graphs*, J. Combin. Theory Ser. B. (Accepted.) doi:10.1016/j.jctb.2017.08.002.

14. M. Chudnovsky, R. Kim, C.-H. Liu, P. Seymour and S. Thomassé, *Domination in tournaments*, J. Combin. Theory Ser B. (Accepted.)

15. C.-H. Liu and R. Thomas, *Excluding subdivisions of bounded degree graphs*, arXiv:1407.4428. (Submitted.)

16. C.-H. Liu, *Packing and covering immersions in 4-edge-connected graphs*, arXiv:1505.00867. (Submitted.)

17. T. Kelly and C.-H. Liu, *Size of the largest induced forest in subcubic graphs of girth at least four and five*, arXiv:1603.03855. (Submitted.)

18. I. Choi, C.-H. Liu and S. Oum, *Characterization of cycle obstruction sets for improper coloring planar graphs.* (Submitted.)

19. M. Chudnovsky, C.-H. Liu, O. Schaudt, S. Spirkl, N. Trotignon and K. Vušković, *Triangle-free graphs that do not contain an induced subdivision of K_4 are 3-colorable*, arXiv:1704.08104. (Submitted.)

20. C.-H. Liu, *Packing topological minors half-integrally*, arXiv:1707.07221. (Submitted.)

21. C.-H. Liu, R. Thomas and P. Wollan, *Excluding weak immersions*, manuscript, 2013.

22. C.-H. Liu and R. Thomas, *Well-quasi-ordering graphs by the topological minor relation I-IV: Robertson's conjecture*, manuscript, 2014.

23. C.-H. Liu, L. Postle and P. Wollan, *Erdős-Pósa property for topological minors*, manuscript, 2015.