Turán and Ramsey numbers for selected semi-topological graphs

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Let G be a simple graph. Let $ex(n, G)$ be the Turán number for the graph G, i.e., the maximum number of edges in a graph on n vertices which does not contain G as a subgraph. We give the Turán numbers for selected semi-topological graphs extending the results of Jiang [3] and Horev [2] and generalizing some other results presented in [1]. Moreover we count Ramsey numbers for some families of semi-topological graphs.

References

[1] B. Bollobás, Extremal Graph Theory, Academic Press, London 1978.

[2] E. Horev, Extremal Graphs Without a Semi-Topological Wheel, *J. Graph Theory* 306 (2011) pp.326–339.

[3] T. Jiang, A Note on a Conjecture About Cycle with Many Incident Chords, *J. Graph Theory* 306 (2004) pp.180–182.