

# Turán and Ramsey numbers for some 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 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, 1978.
- [2] E. Horev, Extremal graphs without a semi-topological wheel, J. Graph Theory 306 (2011), 326–339.
- [3] T. Jiang, A note on a conjecture about cycle with many incident chords, J. Graph Theory 306 (2004), 180–182.