

Turán numbers for some linear forests

Sebastian Kieliszek

(joint work with Halina Bielak)

Institute of Mathematics, UMCS, Lublin, Poland

The Turán number $ex(n, G)$ of a graph G is the maximum number of edges in a graph on n vertices which does not contain G as a subgraph. We give the Turán number for some special linear forests. We extend the results of Bushaw and Kettle [3] and improve the result of Lidický, Liu and Palmer [4] for some graphs.

REFERENCES

- [1] H. Bielak, S. Kieliszek, The Turán number of the graph $3P_4$, submitted.
- [2] H. Bielak, S. Kieliszek, The Turán number of the graph $2P_5$, submitted.
- [3] N. Bushaw, N. Kettle, *Turán Numbers of Multiple Paths and Equibipartite Forests*, *Combinatorics, Probability and Computing*, 20(6)(2011) 837–853.
- [4] B. Lidický, H. Liu, C. Palmer *On the Turán number of forests*, arXiv: 1204.3102v1 [math.CO] 13 Apr 2012.