

# Some remarks on Turán numbers for linear forests

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(joint work with Halina Bielak)

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. Let  $L$  denote a forest consisting of paths as components. Gorgol [4] discovered basic properties of extremal graphs for the Turán numbers of disjoint graphs. Bushaw and Kettle studied the Turán numbers for some families of forests [3]. Recently Lidický, Liu and Palmer [5] counted the Turán number for some linear forests and large  $n$ . We improve this results for linear forests consisting of exactly two odd paths and some even paths. We extend the previous results of authors [1, 2].

## REFERENCES

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