

Repetition thresholds in graphs

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(joint work with Pascal Ochem and Alexandre Pinlou)

The repetition threshold is the smallest real number α such that there exists an infinite word over a k -letter alphabet that avoids repetition of exponent strictly greater than α . This notion can be generalized to graph classes. In the talk, we present known bounds for various classes of graphs, with the main focus put to different types of trees as already in this class there are several interesting open problems [1].

REFERENCES

- [1] B. Lužar, P. Ochem, A. Pinlou, On repetition thresholds of caterpillars and trees of bounded degree, *Electron. J. Combin.* 25 (2018) P1.61.