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## No additional tournaments are QUASIRANDOM-FORCING

A tournament H is quasirandom-forcing if the following holds for every sequence  $(G_n)_{n\in\mathbb{N}}$  of tournaments of growing orders: if the density of H in  $G_n$  converges to the expected density of H in a random tournament, then  $(G_n)_{n\in\mathbb{N}}$  is quasirandom. Every transitive tournament with at least 4 vertices is quasirandom-forcing, and Coregliano, Parente, and Sato [2] showed that there is also a non-transitive 5-vertex tournament with the property. We show that no additional tournament has this property. This extends the result of Bucić, Long, Shapira, and Sudakov [1] that the non-transitive tournaments with seven or more vertices do not have this property.

This is joint work with Robert Hancock, Adam Kabela, Daniel Král', Taísa Martins, Roberto Parente, and Jan Volec.

## References

- M. Bucić, E. Long, A. Shapira, and B. Sudakov, *Tournament quasiran*domness from local counting, arXiv:1910.09936, 2019.
- [2] L. N. Coregliano, R. F. Parente, and C. M. Sato, On the maximum density of fixed strongly connected subtournaments, The Electronic Journal of Combinatorics, 26:P1.44, 2019.