

Special Colloquium

Some advances in Sidorenko's conjecture

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Abstract: An important conjecture of Erdős-Simonovits and Sidorenko states that if H is a fixed bipartite graph, then the random n -vertex graph (n is large) has asymptotically the minimum number of copies of H over all graphs of the same order and edge density. This conjecture also has an equivalent analytic form and has connections to a broad range of topics such as matrix theory, Markov chains, graph limits, and quasirandomness. In this talk, I will provide an overview on this beautiful conjecture and discuss some recent results.

Joint w/ Jeong Han Kim (KIAS) and Joonkyung Lee (Oxford)

Meet and Greet in SEO 300 right after the talk.

Wednesday, December 10 at 3:00 PM in SEO 636
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