Combinatorics
Colloquium

Graphs, Integers and Communication

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Abstract: Graph theoretic tools are helpful in the study of problems in Combinatorial Number Theory and Information Theory. I will illustrate this fact by a recent example obtained jointly with Sudakov and Moitra, where constructions of dense graphs consisting of pairwise edge disjoint unions of large induced matchings are given and used to study several seemingly unrelated problems.

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Mathematics and Science Center: W303

Mathematics and Computer Science
Emory University