Summer School in Computational Number Theory and Algebra

Applications of Expander Graphs to Number Theory and Computer Science

May 24th to May 28th, 2021 (Online)

Lecturers
Irit Dinur (Weizman Institute of Science)
Alex Kontorovich (Rutgers University)
Emmanuel Kowalski (ETH Zürich)

Apply by April 25th at:
go.uncg.edu/expanders

Expanders are graphs satisfying very strong connectivity properties. There are precise definitions, but, roughly speaking, every "small" set of vertices in an expander has "many" neighbors outside that set.

We will explore the many connections expanders have to topics in number theory and computer science. This school is targeted primarily at early stage graduate students in mathematics with an interest in number theory.

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