

abstract

Computer Science/Discrete Mathematics Seminar II
Topic:

Speaker:

Affiliation:

Date:

Time/Room:

Expander graphs, in general, and Ramanujan graphs, in particular, have been objects of intensive research in the last four decades. Many application came out, initially to computer science and combinatorics and more recently also to pure mathematics (number theory, geometry, group theory). In recent years, there has been an interest in generalizing this theory to higher dimensional simplicial complexes. We plan to survey first the classical theory and then describe the more recent developments. Some directions of current research will be presented as well as suggestions for future research.