

abstract

COMPUTER SCIENCE/DISCRETE MATH I

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

A Kakeya set in F^n , where F is a finite field, is a set containing a line in every direction. The finite field Kakeya conjecture states that the size of such sets is bounded from below by $C_n |F|^n$, where C_n depends only on the dimension n . I will talk about the recent proof of this conjecture and its connection to problems in theoretical computer science.