Massachusetts Institute of Technology
Department of Mathematics

LUNCH SEMINAR FOR GRADUATE STUDENTS

MONDAY, OCTOBER 3, 2011
11:00 - 12:00 PM

ROOM 2-147

Abhinav Kumar
(MIT)

"Sphere packing and related optimization problems"

Abstract

I will talk about the classical problem of densely packing equal non-overlapping balls in Euclidean space, and related problems in geometry and physics, such as the kissing number problem, the covering problem, packing with other shapes, potential energy minimization, etc. I will also describe some connections with number theory, computer science, etc.

Followed by pizza in room 2-290