

Massachusetts Institute of Technology
Department of Mathematics

**LUNCH SEMINAR FOR GRADUATE
STUDENTS**

MONDAY, APRIL 8, 2013
12:00 - 1:00 PM

ROOM 2-143

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(MIT)

“The Graph Regularity Method”

Abstract

Szemerédi’s regularity method is one of the most powerful techniques in graph theory and has diverse applications. I will describe this technique and discuss a few of its applications. Unfortunately, the quantitative estimates that arise from applying this method are usually quite weak. It remains an important problem to find new proofs of some fundamental results which avoid using the regularity method and obtain better quantitative estimates. I will discuss some of my research in this area as well as open problems.

Followed by pizza in room 2-290