

Massachusetts Institute of Technology
Department of Mathematics

**LUNCH SEMINAR FOR GRADUATE
STUDENTS**

MONDAY, OCTOBER 24, 2011
11:00 - 12:00 PM

ROOM 2-147

Pavel Etingof
(MIT)

“The PRIMES Program”

Followed by pizza in room 2-290

Abstract

In this talk I will tell about the PRIMES program. PRIMES is a program where local high school students do mathematical research. Most of the mentors in PRIMES are math graduate students. Besides a compensation, PRIMES mentors gain advising experience, and often write joint papers with PRIMES students. Last but not least, like their students, they have a lot of fun working on PRIMES projects.

Recruiting PRIMES mentors for 2012 will take place during October and November of 2011. This talk is especially geared towards those graduate students who may want to work as mentors in PRIMES (as well as RSI and SPUR).

Since this is a mathematical seminar, I will keep the discussion of organization of PRIMES to a minimum, and focus on the mathematical content of a few PRIMES projects, to give the audience a feel of what such projects are like. I will discuss projects in geometry, combinatorics, and representation theory.