



MSRI/Evans Talk

MONDAY, MARCH 14, 2011

4:10PM; 60 EVANS HALL

UNIVERSITY OF CALIFORNIA, BERKELEY

“ELLIPTIC CURVES, THEIR COMPANIONS, AND THEIR STATISTICS”

**Dr. Barry Mazur
(Harvard University)**

What is the probability that a cubic plane curve with rational coefficients has infinitely many rational points?

Questions of this type (more exactly formulated, of course) are among the many statistical themes being pursued in the program Arithmetic Statistics at MSRI this semester. In this colloquium I'll give some background to help appreciate current work on such problems.

**Refreshments at a nearby establishment immediately following the talk!
Graduate students and Postdoctoral Fellows are particularly welcome.**

<http://www.msri.org>