Small Gaps Between Primes

Daniel Goldston
San Jose State University

Thursday, April 24, 2008
007 Kemeny Hall, 4:00 pm
(Tea 3:30 pm 300 Kemeny Hall)

Abstract

I will describe the ideas used by Pintz, Yıldırım and me to prove the existence of pairs of primes very close together. The main idea is to use an approximation for prime tuples that comes out of sieve theory, and then a simple positivity argument to detect primes.

This talk should be accessible to graduate students.