

Mathematics Colloquium

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**The Large Sieve
and Its Applications**

Abstract: I will talk about the history, heuristics and conjectures about the large sieve. Furthermore, I will speak of its applications and implications to problems concerning primes in arithmetic progressions “on average.” Time permitting, I will also talk about some of the recent works done by Stephan Baier and myself, both independently and jointly, expanding the classical theory.

Wednesday, February 22

**4:00-5:00 pm
204 Smith Hall**