GRADUATE NUMBER THEORY SEMINAR
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Vinogradov's Mean Value Theorem

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Room South Hall 6635

Abstract: Exponential sums appear in various analytic settings. Improvements on Vinogradov's Mean Value Theorem and corresponding bounds on exponential sums have led to stronger results in a wide variety of places, from zero-free regions of the Riemann zeta function to Waring's Problem. In this talk, we'll discuss Vinogradov's Mean Value Theorem and some of its applications.