

# Research Talk

Joint Analysis, Dynamical Systems & Number Theory  
Seminar

Thursday, December 4th, 2014

4:00 pm in Hume 331

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## Zeros of modular forms and Quantum Unique Ergodicity

### ABSTRACT

Modular forms appear prominently in number theory and also come into play in other areas of mathematics as well as physics. In this talk I will mention some basic properties of modular forms and describe the distribution of their zeros. In particular, I will discuss how Quantum Unique Ergodicity for Hecke cusp forms is related to the equidistribution of their zeros.

This talk will assume no previous knowledge of the subject and should be accessible to graduate students with some background in analysis.