

## **abstract**

Computer Science/Discrete Mathematics Seminar I  
Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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This talk will be a partial survey of the first questions in the complexity theory of geometric topology problems. What is the complexity, or what are known complexity bounds, for distinguishing  $n$ -manifolds for various  $n$ ? For distinguishing knots? For recognizing a sphere, or the unknot? The survey will be a warmup to my own contribution, which is the fact that knottedness is in NP, assuming the generalized Riemann hypothesis.