

# GAUGE THEORY & TOPOLOGY SEMINAR

Stavros Garoufalidis (Georgia Tech)

## The Slope Conjecture

The Slope Conjecture relates the quadratic growth rate of the degree of the Jones polynomial of a knot and its parallels to slopes of incompressible surfaces in the knot complement. The conjecture is known for alternating knots, and 2-parameter classes of 2-fusion knots (the latter, joint with Nathan Dunfield).

**Date:** Friday, October 22

**Time:** 3:30-4:30

**Location:** Harvard Mathematics Department, Science Center 507

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<http://math.harvard.edu/~acotton/seminar.html>