



# GEOMETRY, TOPOLOGY, AND PHYSICS SEMINAR

## On SYK model

Alexei Kitaev  
Caltech

Friday, February 24, 2017, 4:00 p.m.  
Room 6635 South Hall

**Abstract:** The talk will cover a toy model of a quantum black hole and show how  $sl(2, \mathbb{R})$  conformal symmetry emerges from a system of fermions.

This seminar is part of the NSF/UCSB 'Research Training Group' in Topology and Geometry. Information about future meetings can be found at <http://www.math.ucsb.edu/~drm/GTPseminar/>