

Mathematics Colloquium

Maryam Mirzakhani

Princeton

**Simple Geodesics on
Hyperbolic Surfaces,
Train Tracks, and
Geometry of Moduli Spaces**

Abstract: In this talk we discuss the problem of counting simple closed geodesics on hyperbolic surfaces and its connection with the geometry of moduli spaces.

Wednesday, September 20

**4:00-5:00 pm
204 Smith Hall**