

TEMPLE UNIVERSITY GEOMETRY SEMINAR

Aaron Magid

University of Michigan

will speak on

The topology of deformation spaces of hyperbolic 3-manifolds

ABSTRACT: For any closed surface S , the deformation space $AH(S)$ is the space of all marked hyperbolic 3-manifolds homotopy equivalent to S . After reviewing some of the classical results that describe topology of the interior of $AH(S)$, we will show that there are certain points on the boundary where $AH(S)$ is not locally connected. This is a generalization of Ken Bromberg's result that the space of Kleinian punctured torus groups is not locally connected.

TUESDAY, 10 FEBRUARY 2009

LECTURE AT 2:40 PM

COFFEE, TEA, AND REFRESHMENTS FROM 3:30–5 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS