

GEOMETRY–TOPOLOGY SEMINAR

David Futer

Temple University

will speak on

Cusp areas of fibered 3–manifolds, part II

ABSTRACT: Let $\varphi : F \rightarrow F$ be a homeomorphism of a surface with punctures, and let $M_\varphi = F \times [0, 1]/(x, 0) \sim (\varphi(x), 1)$ be the mapping torus of φ . Then the area of a maximal cusp of M_φ is predicted up to bounded constants by the translation distance of φ in the arc complex of F . I will outline the proof of this result (joint with Saul Schleimer).

TUESDAY, 20 OCTOBER 2009

LECTURE AT 3:30 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS