

GEOMETRY–TOPOLOGY SEMINAR

Kei Nakamura

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will speak on

One-sided Heegaard surfaces of hyperbolic once-punctured torus bundles

ABSTRACT: one-sided Heegaard surface of a closed orientable 3-manifold is a closed non-orientable surface such that removing its neighborhood leaves a handlebody. In this talk, we will introduce the analogous notion for compact manifolds with boundary, and classify all incompressible ones for hyperbolic once-punctured torus bundles. We will also briefly discuss why this classification should help us determine the minimal complexity of triangulations for this family of manifolds.

TUESDAY, 22 SEPTEMBER 2009

LECTURE AT 3:30 PM

ROOM 617, WACHMAN BUILDING

DEPARTMENT OF MATHEMATICS