



Speaker: Christopher Leininger, Rice University.

Title: Fibered 3-manifolds and Veech groups.

Abstract: The Veech group of a (singular) flat surface is the group of affine self-homeomorphisms. Every pseudo-Anosov is contained in a unique Veech group. It is conjectured that the cyclic subgroup generated by a pseudo-Anosov will *generically* have finite index in the whole Veech group, yet not a single example is known where this happens. I will discuss joint work with K. Rafi, N. Rouse, E. Shinkle, and Y. Verberne in which we provide evidence for this for pseudo-Anosov homomorphisms arising as monodromies of fibered hyperbolic 3-manifolds.