

CUSP-TRANSITIVE 4-MANIFOLDS WITH EVERY CUSP SECTION

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Time: Fri, Mar. 13th, 16:30 - 17:30

Venue: Room 346, SCMS

Abstract:

We realize every closed flat 3-manifold as a cusp section of a complete, finite-volume hyperbolic 4-manifold whose symmetry group acts transitively on the set of cusps. Moreover, for every such 3-manifold, a dense subset of its flat metrics can be realized as cusp sections of a cusp-transitive 4-manifold. Finally, we prove that there are a lot of 4-manifolds with pairwise isometric cusps, for any given cusp type.