

Stanford Department of Mathematics Colloquium

Thursday, March 4
4:15 p.m.
Bldg. 380, Room 380-W.

The geometry and topology of arithmetic hyperbolic 3-manifolds

Alan Reid
UT Austin

Abstract

Arithmetic hyperbolic 3-manifolds form an interesting and important class of hyperbolic 3-manifolds; in part because of their connections with number theory and the theory of automorphic forms. This talk will survey recent work in understanding the geometry and topology of finite sheeted covering spaces of these manifolds in the context of various open problems about the topology of covers of closed hyperbolic 3-manifolds.

<http://math.stanford.edu/coll/0910/>