Topology
Seminar

Commensurability classes of hyperbolic knot complements

Neil Hoffman
University of Texas

Abstract: Two manifolds are commensurable if they share a common finite sheeted cover. In 2008, Reid and Walsh conjectured that there are at most 3 hyperbolic knot complements in a given commensurability class. Recently, Boileau, Boyer, Cebanu, and Walsh have shown that the conjecture holds in the case where the knot complements do not admit hidden symmetries. After introducing the necessary ideas, we will talk about the case where we assume hidden symmetries exist.

Wednesday, November 10, 2010, 2:00 pm
Mathematics and Science Center: E408

Mathematics and Computer Science
Emory University