THE GEOMETRY AND TOPOLOGY
OF ARITHMETIC HYPERBOLIC MANIFOLDS OF SIMPLEST TYPE

Alan Reid

Rice University

This talk will discuss geometric and topological properties of arithmetic hyperbolic manifolds of simplest type—these are precisely the class of arithmetic hyperbolic manifolds that contain an immersed co-dimension one totally geodesic submanifolds. In particular, this talk will be a "warm-up" talk for Nick Miller's lecture series, and will hopefully connect with the lecture series given by Kontorovich and Martelli.