# Finiteness of arithmetic hyperbolic reflection groups 

Ian Agol<br>University of Illinois at Chicago


#### Abstract

This is joint work with Mikhail Belolipetsky, Peter Storm, and Kevin Whyte. We prove that there are only finitely many maximal arithmetic hyperbolic reflection groups in all dimensions. The talk will define the objects discussed in this theorem, and outline the proof. This has been proven independently by Nikulin, using different techniques.


