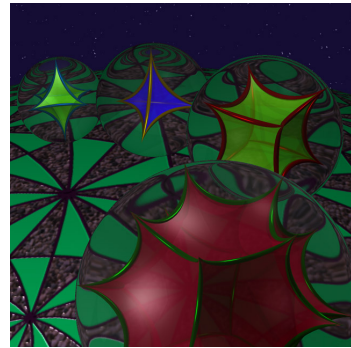


Oberseminar Geometrie
Department of Mathematics
University of Fribourg
Seminar room, Math II (Lonza)
Wednesday April 18, 2018, 10:20-12:00



STEFANO RIOLO (Neuchatel)

Growth of geometrically bounding hyperbolic 3-manifolds

A complete hyperbolic manifold of finite volume is said to bound geometrically if it is isometric to the boundary of a complete finite-volume hyperbolic manifold with totally geodesic boundary.

We show that the number of geometrically bounding hyperbolic 3-manifolds with bounded volume grows asymptotically at least super-exponentially with the bound on the volume, both in the arithmetic and non-arithmetic case.

This is part of a work in progress joint with Alexander Kolpakov.