Oberseminar Geometrie
Department of Mathematics
University of Fribourg
Physics 2.52
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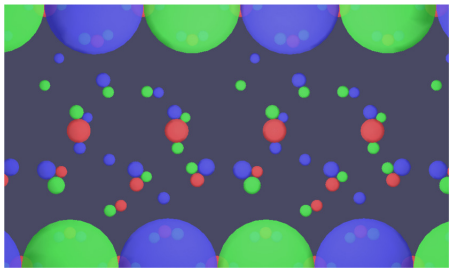

Ruth Kellerhals (UniFR)

Cusp density and (in-)commensurability of hyperbolic 3-orbifolds

We consider certain infinite families of 1-cusped hyperbolic 3-orbifolds and show that their elements are pairwise incommensurable. An important feature is their non-arithmeticity. In this way, their cusp density serves as a commensurability invariant and will play an particular role.