

Seminarium geometrów

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Poniedziałek, 04.10.2021, 10:00 s.605

Piotr Przytycki (McGill U.)

Groups acting almost freely on 2-dimensional CAT(0) complexes satisfy the Tits Alternative

Abstract: Let X be a 2-dimensional complex with piecewise smooth Riemannian metric, finitely many isometry types of cells, that is CAT(0). Let G be a group acting on X with a bound on cell stabilisers. We will sketch the proof of the Tits Alternative saying that G is virtually cyclic, virtually \mathbb{Z}^2 or contains a nonabelian free group. This generalises our earlier work for X a 2-dimensional systolic complex or 2-dimensional Euclidean building. This is joint work with Damian Osajda.

streaming via ZOOM:

Meeting ID: 967 6507 7409

Meeting password: "GS" (two letters) followed by the Euler characteristic of the closed orientable surface of genus 89.