

Seminarium geometrów

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Wtorek, 2.03.2021, 14:15, webinar

Motiejus Valiunas (IMUWr)

Leary–Minasyan groups and their classification up to isomorphism

Abstract: Leary–Minasyan groups – commensurating HNN-extensions of \mathbb{Z}^n – have been recently studied by Ian Leary and Ashot Minasyan. They showed that, among other interesting properties, this class of groups contains CAT(0) groups that are not biautomatic.

In this talk, I will introduce Leary–Minasyan groups, and discuss their geometric (being CAT(0)), algorithmic (being biautomatic) and algebraic (being residually finite / linear) properties. I will also classify these groups up to isomorphism, describing along the way an unsurprising connection to Bass–Serre theory, as well as a more surprising one to algebraic number theory.

ZOOM meeting info:

Meeting ID: 945 9956 8132

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