

Seminarium geometrów

<https://dgt.math.uni.wroc.pl/>

Poniedziałek, 2.03.2026, 14:15 WS

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Fit systolic groups, exactly

Abstract: Embedding a group, even coarsely, into a Hilbert space reveals strong analytical properties of the group. A sufficient condition for the existence of such embeddings is Yu's Property A. In this talk, I will explain how to establish Property A for a subclass of systolic complexes. These are simplicial complexes exhibiting nonpositive curvature features and with thin intervals. They provide geometric models for large-type Artin groups and for $C(3)$ - $T(6)$ and $C(6)$ small cancellation groups, and are instrumental in establishing Property A for these groups. This is joint work with Martín Blufstein, Victor Chepoi, and Damian Osajda.

Streaming via ZOOM:

Meeting ID: 677 2490 5828

Meeting password: 490803