Seminarium geometrów

Wtorek, 23.06.2015, 12:15, sala 711

$E_{\mathcal{VCY}}$ for systolic groups

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Abstract: Given a (discrete) group G and a family F of its subgroups, one defines a classifying space of G for the family F. In this talk we will discuss basic features of such spaces, indicate a motivation for studying them, and give some examples of constructions for certain groups and families.

In the second part we will focus on groups acting on complexes of simplicial non-positive curvature of Januszkiewicz-Świątkowski. For this class of groups, using previously discussed methods we will construct a finite dimensional model for the classifying space for the family of virtually cyclic subgroups. This is joint work with Damian Osajda.