Seminarium geometrów

Wtorek, 23.11.2021, 14:30 s. HS

Jacek Świątkowski (IMUWr)

Tree systems and trees of graphs as boundaries of hyperbolic groups II

Abstract: Classification of Gromov boundaries of hyperbolic groups is very far from being completed. In this talk I will focus on a class of topological spaces called "trees of graphs"(which will be defined in the talk). I will present a result towards a classification (or characterization) of those hyperbolic groups whose Gromov boundary is (homeomorphic to) a tree of graphs. The characterization will be given in terms of features of the so called "Bowditch's JSJ decompositionóf a hyperbolic group - the concept which will be also explained, at least to some extent, in the talk. The main technical tool used to obtain the above mentioned result is that of a "tree system of compact metric spaces". I will explain this term, and sketch a proof of the result, emphasising the role of tree systems in this proof.

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.