

# Seminarium geometrów

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Jacek Świątkowski (IMUWr)

## **Hyperbolic groups whose Gromov boundaries are trees of graphs**

Abstract: Trees of graphs form a class of 1-dimensional connected topological spaces which are good candidates for Gromov boundaries of hyperbolic groups (e.g. because they are Markov compacta). I will describe this class of spaces, and formulate a result (joint with Nima Hoda) which nearly characterizes those hyperbolic groups whose Gromov boundaries are trees of graphs. The characterization is given in terms of the features of the so called Bowditch's JSJ-splitting of a 1-ended hyperbolic group - the term which will be carefully described and explained during the talk.