

Seminarium geometrów

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Wtorek, 08.03.2022, 14:30, HS

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The isomorphism problem for Artin groups.

Abstract: An Artin group is a kind of group defined by what is called its defining graph. The isomorphism problem is that of determining which defining graphs give rise to isomorphic Artin groups. In this talk I will show how to solve the isomorphism problem for a large class of Artin groups. The method used is geometric, and relies on reconstructing the Deligne complex in a purely algebraic way. This method also allows to recover a precise description of the automorphism group of the Artin group.

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.