Seminarium geometrów

www.math.uni.wroc.pl/dgt/

Poniedziałek, 04.11.2024, 14:15 WS

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Homomorphisms between large-type Artin groups

Abstract: In this talk, we will examine homomorphisms between Artin groups that belong to two generic classes. For large-type Artin groups of hyperbolic type over complete graphs, we will describe all possible homomorphisms with sufficiently large images, and prove in particular that such groups are both hopfian and co-hopfian. For XXXL-type Artin groups (all labels at least 6), we will completely characterise in terms of the presentation graph when these groups have a finite outer automorphism group, as well as when they are co-hopfian. Additionally, if time permits, we will exhibit a generating set for their automorphism group when the presentation graph has no cut-vertex.

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.