

Seminarium geometrów

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Poniedziałek, 30.01.2023, 16:15 WS

Sam Hughes (University of Oxford)

Algebraic fibring and finite quotients

Abstract: A number of remarkable recent results in profinite rigidity use a theorem of Friedl and Vidussi that connects fibring of 3-manifolds with non-vanishing of twisted Alexander polynomials. One such result, due to Liu, states that there are only finitely many finite volume hyperbolic 3-manifolds whose fundamental groups have the same set of finite quotients.

In the first part of this talk, based on joint work with Dawid Kielak, we will look at relatives of the theorem of Friedl and Vidussi for LERF groups and its connections to profinite rigidity.

In the second part of the talk, based on ongoing joint work with Monika Kudlinska, we will discuss an analogue of Liu's result for irreducible hyperbolic free-by-cyclic groups.

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.