

Seminarium geometrów

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Weakly bounded cohomology classes

Abstract: Weakly bounded classes in group cohomology were introduced by Neumann and Reeves to study the geometry of central group extensions. They are also related to the notion of “hyperbolicity” for classes in the de Rham cohomology of a manifold, and to L -infinity cohomology. I will talk about the relations between these concepts, and then describe an example of a finitely presented group having weakly bounded classes in degree 2 which are not bounded. This is the result of a joint work with Dario Ascari.

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.