

Seminarium geometrów

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Computer proofs for Property (T), and SDP duality

Abstract: Kazhdan's Property (T) is a strong rigidity property for groups. In recent years a new method has been established for proving Property (T) with the computer. I will explain this approach from the perspective of the corresponding dual optimization problem, which has a geometric interpretation in terms of harmonic cocycles. This viewpoint can be used to simplify the computer calculation, making it feasible to prove Property (T) for $Aut(F_4)$.

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.