

Seminarium geometrów

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Graph complexes and their applications

Abstract: In 1992 Maxim Kontsevich introduced several versions of graph complexes and suggested that they can be used to produce, among others, knot invariants, cohomology classes of diffeomorphism groups of spheres and cohomology classes of the group $\text{Out}(F_n)$. I will sketch some of these constructions and describe recent result of Tadayuki Watanabe, who, using graph complexes, constructed an exotic element of $\pi_1(\text{Diff}(S^4))$.

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.