

Seminarium geometrów

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Equivariant K-theory, Hilbert scheme of points and the symmetric group

Joint work with: J.Konicki

Abstract: I will introduce the Hilbert Scheme of points in the affine plane and describe some properties of its torus-equivariant K-theory ring, which has a natural basis indexed by the irreducible representations of the symmetric group. I will present some conjectures which we have managed to solve regarding the multiplicative structure in K-theory of the Hilbert scheme of points in the plane.

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.