Al@Bicocca seminar

You are all welcome to the next bite of the series "Al@Bicocca"

which is meant to give you a small taste of the Algebra at Bicocca and beyond



22 May 2024

Kirill Zaynullin University of Ottawa 14.00 (UTC+1)

Motivic Lefschetz Theorem for twisted Milnor Hypersurfaces

Abstract: We provide a family of examples of motivic decompositions of smooth projective varieties. Namely, we show that the Grothendieck-Chow motive of a smooth hyperplane section Y of an inner twisted form X of a Milnor hypersurface splits as a direct sum of shifted copies of motive of the Severi-Brauer variety of the associated cyclic algebra A and the motive of its maximal commutative subfield $L \subset A$. The proof is based on non-triviality of the (monodromy) Galois action on the equivariant Chow group of Y. This is a joint project with Rui Xiong.

Online venue: WebEx University of Milano-Bicocca

Via R. Cozzi 55 Milano (IT)

Organizers:

Marco Barbieri Alberto Cassella Giulia Dal Verme Nicola Grittini Francesco Matucci Matteo Tarocchi

Website

