

Algebra, Combinatorics and Number Theory Seminar

Date. Monday, June 21, 2021 - 3pm (UTC+1) ¹

Speaker. Carla Rizzo - Università di Palermo

Title. Polynomial identities and growth functions

Abstract.

A central polynomial of an algebra A is a polynomial f in non-commutative variables that takes central values when evaluated in A . In case it vanishes in A , f is called a polynomial identities of A , otherwise f is a proper central polynomial of A .

The purpose of this talk is to survey some old and new results on the growth of the spaces of central polynomials, proper central polynomials and polynomial identities of an algebra over a field of characteristic zero.

¹<https://videoconf-colibri.zoom.us/j/85917155304?pwd=ZU1YUGJRcTJzTOVjSHF5N2hNdTJQZz09>