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 Algebra at Bicocca and beyond



Giles Gardam

University of Bonn

2nd of October 2025 15.00 (CEST)

The Kaplansky conjectures

Abstract: There is a series of four fundamental and long-standing conjectures on group rings attributed to Kaplansky: the unit, zero divisor, idempotent and direct finiteness conjectures. The zero divisor conjecture, for example, states that the group ring of a torsion-free group with field coefficients has no zero divisors. I will discuss these conjectures, their connections to other open questions in various areas of mathematics, and the disproof of the unit conjecture.

Online venue: WebEx

University of Milano-Bicocca V.le dell'Innovazione, 10, Edificio U9 Milano (IT)

Organizers:

Jessica Anzanello Julian Feuerpfeil Marco Barbieri Nicola Grittini Ettore Marmo Francesco Matucci Matteo Tarocchi

Website

