



Instituto Universitario de Investigación
de Matemáticas
y Aplicaciones
Universidad Zaragoza



Departamento de
Matemáticas
Universidad Zaragoza

Seminario de Álgebra

Conferencia

por

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título:

“Deforming pro- p groups”

Resumen

It is a common phenomenon that certain properties of associative algebras are inherited by associated algebras whose structure constants are slightly modified. Similar phenomena arise in the theory of pro- p groups without a reasonable concept of “structure constants”. Instead one uses the Zassenhaus restricted F_p -Lie algebra functor $\text{gr}(_)$ from the category of finitely generated pro- p groups to the category of N -graded restricted F_p -Lie algebras. Indeed finiteness, order and many other properties turn out to be “rigid”, i.e., do not depend on the isomorphism type of the finitely generated pro- p group. The intention is to present some examples and counterexamples of rigid and non-rigid properties we have studied in recent years.

Fecha: Jueves, 20 de marzo de 2025

Hora: 11:00 horas

Lugar: Seminario de Álgebra, Edificio de Matemáticas, 2ª planta