



Programa de Pós-Graduação em
Matemática



APRESENTA:

PI-theory for algebras with trace

24/10/2025 — 10h00

<https://meet.google.com/idy-saqr-wwc>

Prof. Dr. Antonio Ioppolo

University of L'Aquila - Italy





UNIVERSIDADE FEDERAL DE CAMPINA GRANDE
CENTRO DE CIÊNCIAS E TECNOLOGIA
UNIDADE ACADÊMICA DE MATEMÁTICA



CICLO DE CONFERÊNCIAS 2025
PPGMAT – UFCG

PI-theory for algebras with trace

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Resumo. Let F be a field of characteristic zero. In this talk we shall consider unitary associative F -algebras endowed with a trace, that is a linear map $\text{tr}: A \rightarrow F$ such that, for all $a, b \in A$,

$$\text{tr}(ab) = \text{tr}(ba).$$

The objective is to present results on the trace polynomial identities satisfied by this type of algebras and to examine the growth of the corresponding codimension sequence.

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