Departamento de Matemática

Centro de Matemática e Aplicações

Seminar/Talk

On rigid 3-dimensional Hom-Lie algebras

María Alejandra Alvarez

Departamento de Matemáticas, Facultad de Ciencias Básicas, Universidad de

Antofagasta, Antofagasta, Chile.

Abstract: In this work, we obtain all rigid complex 3-dimensional multiplicative Hom- Lie algebras. This is done by studying all deformations of multiplicative Hom-Lie algebras which are also Lie algebras. As a byproduct, we obtain the well known classification of 3-dimensional multiplicative (non-Lie) Hom-Lie algebras. [1].

References

[1] M. A. Alvarez and S. Vera, On rigid 3-dimensional Hom-Lie algebras, Jour- nal of Algebra 588 (2021), 166?188.

- **Dia:** 29 de Julho de 2022, às 15h

- **Local:** Sala de Reuniões, Departamento de Matemática, UBI