

SEMINARIO

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SIM 125. Construction of a basis of Kahler differentials for generic plane branches in an equisingularity class

Abstract: Let C be a fixed equisingularity class of irreducible germs of complex analytic plane curves. We compute a basis of the $\mathbb{C}[[x]]$ -module of Kahler differentials for generic $\Gamma \in C$. Our method is algorithmic.

As an application, we give an alternative proof for a formula of Genzmer, that provides the dimension of the moduli of analytic classes in the equisingularity class of Γ .

This is a joint work with Pedro Fortuny Ayuso.

**Seminario A-125. Facultad de Ciencias.
22 de Marzo de 2024 (11:00)
Organiza: GIR ECSING**

