

SEMINARIO

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“On deformations of plane curve singularities: The A'Campo divides and the loti”

Abstract: In a paper published in 1973, A'Campo used a special delta-constant deformations of real curve singularities to study the monodromy group of complex curve singularities. His construction was algorithmical, but it gave no general description of the embedded topological types of the general members of such deformations - the A'Campo divides.

In my thesis I have developed a method for understanding those topological types. In particular, I have found a particular class, the canonical A'Campo divides, that can be obtained by an easy procedure from an embedding in the real plane of a particularly enriched lotus of the initial singularity. The lotus is a singularity invariant introduced by P. Popescu-Pampu.

I am going to explain how to construct the canonical divide for a particular class of real germs, the real positive germs.

Seminario A125 de la Facultad de Ciencias

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Organiza: Grupo de Investigación **SINGACOM.**

