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Departamento de
Matemáticas
Universidad Zaragoza

Seminario Geometría y Topología

Conferencia

por

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Título:

“SOME CONSEQUENCES OF THE μ - CONSTANT CONDITION FOR FAMILIES OF SURFACES”

Abstract:

We work with a 1-parameter family of isolated hypersurface singularities of fibre dimension 2. We show that if the Milnor number is constant, then any semistable model, obtained from the family after a sufficiently large base change must satisfy nontrivial restrictions. Those restrictions are in terms of the dual complex, Hodge structure and numerical invariants of the central fibre. To achieve this, we make use of the Steenbrink spectral sequence degenerating to the cohomology of a generic fibre of the resolution, endowed with the limit mixed Hodge structure.

Fecha: Viernes, 11 de julio de 2025

Hora: 12:45 h.

Lugar: Seminario D (Geometría y Topología), Edificio de Matemáticas