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SEMINARIO DE GEOMETRÍA ALGEBRAICA

Lunes 6 de marzo de 2006, 13:00, Seminario 238

Bernd Martin

Profesor de la Universidad de Cottbus

Impartirá la conferencia

Computing the Jacobi-Newton polytope of a degeneration of a plane branch

Summary: B.Teissier and E. García Barroso have computed the Jacobi-Newton polytope for branches with two characteristic pairs in full generality. Especially they have described, who the invariants of the plane branch are decoded from the polytope of the generic as well as of the special fibre. We check the situation for curves with three characteristic pairs with SINGULAR and discuss some aspects of Teissier's ideas and hypotheses. It is shown, that in higher dimension - as to expect - the situation becomes more complicated.