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SEMINARIO DE GEOMETRÍA ALGEBRAICA

Jueves 10 de Marzo de 2011, **14:00**, Seminario 238

Sabir Gusein-Zade

Moscow State University

Impartirá la conferencia

Monodromy zeta functions of dual invertible polynomials

Resumen.

There exists a generalization of Arnold's strange duality to invertible polynomials in three variables due to W.Ebeling and A.Takahashi. This duality includes the following relation. For some invertible polynomials f the Saito dual of the reduced monodromy zeta function of f coincides with a formal "root" of the reduced monodromy zeta function of its Berglund-Hübsch transpose f^T. I will describe a geometric interpretation of "roots" of the monodromy zeta function and a generalization of the above relation to all non-degenerate invertible polynomials in three variables and to some polynomials in an arbitrary number of variables in a form including "roots" of the monodromy zeta functions both of f and f^T.

The talk reflects joint results with W.Ebeling.