

SEMINARIO DI GEOMETRIA

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Politecnico di Torino,
Dipartimento di Scienze Matematiche,
Online

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Identifiability for pair of ternary forms

Two general quadratic forms can be simultaneously diagonalized in a unique way. For forms of higher degrees, it is a long-standing problem to classify when we get uniqueness. In this talk I'll present the solution for forms in three variables. Our strategy is to translate the problem into the study of a certain linear system on a projective bundle on the plane.