

SEMINARIO DI GEOMETRIA

3 febbraio 2016, h.15,00-16.00

Politecnico di Torino,
Dipartimento di Scienze Matematiche,
AULA BUZANO

Fabio Tanturri

(Aix-Marseille Universite')

Matrix factorizations and curves in \mathbb{P}^4

A method to prove the unirationality of a moduli space of curves or of other interesting spaces is to explicitly exhibit a unirational dominating family of projective models. In this talk, I will show how it is possible to construct curves in \mathbb{P}^4 by means of matrix factorizations; by using this new technique, we are able to prove the unirationality of the Hurwitz space $H_{8,12}$, as well as other results concerning particular Brill-Noether spaces.

Financial support: PRIN 2015 - Geometry of Algebraic Varieties - protocollo: 2015EYP-TSB 007