

The non-degeneracy of Enriques surfaces

Thursday, 26 September 2024 13:45 (1 hour)

In 1910, Fano described birational models of Enriques surfaces realized as intersections of cubics in P^5 . These Fano models are closely related with the geometry and combinatorics of elliptic fibrations on the Enriques surface.

In this talk I will discuss an invariant introduced by Dolgachev and Cossec, called non-degeneracy, which measures the singularities of the Fano models of an Enriques surface. Non-degeneracy is hard to compute and its behaviour in moduli is not well understood. I will present results in these directions, which were obtained jointly with R. Moschetti and L. Schaffler.

Presenter: ROTA, Franco (University of Glasgow, UK)