SEMINARIO DI GEOMETRIA E ALGEBRA

UNIBA - POLIBA

Giovedì 6 Luglio 2023 - Ore 15:00 - Dip. di Matematica, aula III

Roberto Pignatelli (UNITN)

Varieties of small volume

Abstract. This is a joint work with S. Coughlan, Y. Hu e T. Zhang. In the theory of the algebraic varieties of general type the key invariants are the (geometric) genus and the volume. I will discuss the known relations among these two numbers, and then discuss the case when the volume is minimal respect to the genus. In particular I will present the classical results of M. Noether-F-Enriques-E. Horikawa in dimension 2 and then present the analogous result we achieved in dimension 3.

https://sites.google.com/view/sga-poliuniba/home-page