

Seminar

Prof. Carlos Simpson

Université de Nice

Moduli spaces of stable bundles for intermediate values of c_2

Tuesday, May 9, 2017

at 14:00 h

ESI, Boltzmann Lecture Hall

Abstract: The moduli spaces of stable vector bundles on surfaces have a well-understood structure—generically smooth of the expected dimension, and irreducible—for large values of c_2 ; and they are empty for c_2 less than the Bogomolov-Gieseker bound. We'll discuss joint work with Nicole Mestrano about understanding the structure for all values of c_2 in between, for generic hypersurfaces of low degree in P^3 .

L. Katzarkov

May 4, 2017