



SINGULAR SPACES WITH TRIVIAL CANONICAL CLASS

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Time: 14:00-15:00, Thu, October 19, 2017

Venue: Room 2213, East Main Guanghua Tower, Handan Campus

Abstract: The Beauville-Bogomolov decomposition theorem asserts that any compact Kähler manifold with numerically trivial canonical bundle admits an étale cover that decomposes into a product of a torus, an irreducible, simply-connected Calabi-Yau, and holomorphic symplectic manifolds. With the development of the minimal model program, it became clear that singularities arise as an inevitable part of higher dimensional life. I will present recent work in which we partly extend the Beauville-Bogomolov decomposition theorem to the singular setting.