K-MODULI OF FANO THREEFOLDS

Speaker:Junyan Zhao
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Time:Thu., Dec. 18th, 13:00-14:00

Venue:Room 106, SCMS

Abstract: In this talk, I will show that the K-moduli space of Fano threefolds obtained by blowing up P^3 along (2, 3)-complete intersection curves is isomorphic to a VGIT moduli space studied by Casalaina-Martin-Jensen-Laza. In particular, it is a two-step birational modification of the GIT moduli space of (3, 3)-curves on $P^1 \times P^1$. Our strategy is the moduli continuity method with moduli of lattice-polarized K3 surfaces, general elephants and Sarkisov links as new ingredients. Based on joint work with Yuchen Liu.