FUDAN-SCMS ALGEBRAIC GEOMETRY SEMINAR
ZOOM MEETING SEMINAR

LECTURE :
K-MODULI OF CURVES ON A QUADRIC SURFACE AND K3 SURFACES

Speaker: Yuchen Liu (Yale)

Time：Thu, June 25, BJS 09:00-10:00, EST 21:00-22:00, GMT 01:00-02:00

Zoom Meeting Id: 938 176 04394

Password: 089746

Abstract: We show that the K-moduli spaces of log Fano pairs ($P^1 * P^1$, cC) where C is a (4,4)-curve and their wall crossings coincide with the VGIT quotients of (2,4) complete intersection curves in P^3. This, together with recent results by Laza-O'Grady, implies that these K-moduli spaces form a natural interpolation between the GIT moduli space of (4,4)-curves on $P^1 * P^1$ and the Baily-Borel compactification of moduli of quartic hyperelliptic K3 surfaces. Based on joint work with K. Ascher and K. DeVleming.