

***ON BOUNDEDNESS OF ELLIPTIC CALABI-YAU FOURFOLDS AND
INDICES OF LC-TRIVIAL FIBRATIONS***

Speaker: Fulin Xu
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Time: Fri., Sep. 18th, 9:30-11:00

Venue: Room 102, SCMS

Abstract: Boundedness properties of Calabi-Yau type varieties is an interesting topic in algebraic geometry. In this talk, we present a proof of boundedness of elliptic Calabi-Yau fourfolds that are not of product type. On the other hand, we establish boundedness of indices of moduli part of canonical bundle formula for lc-trivial fibration of relative dimension 3. As Corollaries, we deduce boundedness of indices for fibered K-trivial fourfolds and DCC of Iitaka volumes in dimension 4. This talk is based on joint work with Stefano Filipazzi.