

***STABILITY CONDITIONS ON CALABI-YAU THREEFOLDS
VIA BRILL-NOETHER THEORY***

Speaker: Zhiyu Liu
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Time: Tue., Dec. 2nd, 14:00-15:00

Venue: Room 102, SCMS

Abstract:

I will explain how to reduce a version of the Bayer-Macri-Toda conjecture for a Calabi-Yau threefold, which ensures the existence of Bridgeland stability conditions on it, to verifying a Brill-Noether-type inequality for curves. This enables us to prove the existence of Bridgeland stability conditions for a broad class of Calabi-Yau threefolds. Based on the joint work with Soheyla Feyzbakhsh, Naoki Koseki, and Nick Rekuski.