

**SCMS Seminar**

ON A CONJECTURE OF KAZHDAN-POLISHCHUK

Speaker: Zhiyu Tian

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Time: Fri., May. 22nd, 16:00-17:00

Venue: Room 102, SCMS

Abstract: At the 2022 ICM, David Kazhdan proposed a conjecture concerning a Brill–Noether-type variety naturally associated to any stable vector bundle of rank 2 and degree $2g-1$ on a smooth projective curve of genus g . This is now known as the Kazhdan–Polishchuk conjecture. In this talk, we introduce a jet-scheme approach to the conjecture. This is joint work in progress with Zhixian ZHU (Capital Normal Univ.).