



SCMS Seminar

CANONICAL BUNDLE FORMULA

Speaker: Jihao Liu

Northwestern University

Time: Thu., Jun 8, 9:30-12:00

Venue: Room 106, SCMS

Abstract:

In this talk I will discuss the history and the results on the canonical bundle formula (cbf) and how they are usually applied, including the following:

1. Cbf for elliptic fibrations.
2. Cbf for Iitaka fibrations.
3. Cbf for lc-trivial fibrations (contractions).
4. Cbf for generically finite morphisms and lc-trivial morphisms.
5. Cbf for generalized pairs.
6. Subadjunction formulas.
7. Cbf on Kähler varieties.
8. Cbf for foliations.
9. Abundance and log abundance of the moduli part.
10. New proof of the Cbf for lc-trivial fibrations via foliation.
11. Cbf in characteristic p .