

Uniformity in the Minimal Model Program from Degree Bounds

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Time：Thu, Nov 12th, 10:30 - 11:00
Venue: Room 106, SCMS

Abstract:

This talk concerns uniformity in minimal model programs for klt pairs of general type. I will explain how a single adjoint degree bound yields uniform Cartier indices, finitely many minimal log discrepancies, and bounded scheme-theoretic fibres on all intermediate models, without assuming termination. The main ingredients are a degree-bounded form of Birkar's uniform log canonical threshold theorem, proved by finite linear projection, and local normalized-volume methods. I will also discuss boundedness of weak log canonical models, a relative BAB consequence, and preliminary boundedness results for Fano-fibration structures.