SIMPLE FIBRATION IN (1,2)-SURFACES

Speaker: Yong Hu
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Time: Fri., Nov. 28th, 15:00-16:00

Venue: Room 102, SCMS

Abstract: Simple fibrations in (1,2)-surfaces were introduced by S. Coughlan and R. Pignatelli. They conjectured that threefolds of general type lying close to the Noether line are birationally expected to admit a simple fibration in (1,2)-surfaces. In this talk, I will present a proof of their conjecture in the case where the canonical volume of the threefold is very small relative to its geometric genus. If time permits, I will also discuss some new examples. This talk is based on joint work with S. Coughlan, R. Pignatelli, and T. Zhang.