

**COHOMOLOGICAL RANK FUNCTIONS AND IRREGULAR
SURFACES WITH SMALL INVARIANTS**

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Time: Mon, May 13th, 16:00-16:30

Venue: Room 110, SCMS

Abstract:

Cohomological rank functions and the eventual paracanonical maps are very useful and powerful tools in proving Severi type inequalities for irregular varieties.

In this talk, we mainly focus on surfaces case and introduce some recent progress on classification theory of irregular surfaces of general type with small invariants, which is based on a joint work with Zhi Jiang and Guoyun Zhang.