

**COHOMOLOGICAL RANK FUNCTIONS AND SURFACES OF
GENERAL TYPE WITH $P=Q=2$**

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Time: Wed., Nov. 29th, 14:00-14:30

Venue: Room 110, SCMS

Abstract:

A fine classification of minimal surfaces of general type with $p=q=2$ is still missing and even an effective bound of the degrees of the Albanese morphisms of these surfaces is out of reach.

Based on cohomological rank functions developed by Jiang-Pareschi, we give a fine classification on these surfaces with $K^2=5$ or 6. This is a joint work with Zhi Jiang and Guoyun Zhang.