



复旦大学数学科学学院

数学综合报告会

报告题目: Phantoms on smooth rational surfaces

报告人: 熊仪睿 (西南石油大学)

时间: 2026-08-02 星期日 14:00-15:00

地点: 江湾校区上海数学中心102室

报告摘要:

An admissible subcategory of a triangulated category is called phantom if its Hochschild homology and Grothendieck group both vanish. The existence or non-existence of phantom subcategories, once considered pathological, is now of great interest. This talk will introduce recent developments on phantom subcategories in the bounded derived categories of smooth projective rational surfaces. This talk is based on joint work with Shihao Ma and Song Yang.

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