

SCMS Seminar



RECONSTRUCTING SCHEMES AND DELIGNE-MUMFORD STACKS FOR DERIVED INFINITY-CATEGORIES

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Time: 2:00-3:00 pm., Friday, November 6, 2015

Venue: Room 2201, East Main Guanghai Tower, Handan Campus

Title: Reconstructing schemes and Deligne-Mumford stacks for derived infinity-categories

Abstract: Based on classifications of subcategories due to Hopkins-Neeman-Thomason, Balmer shows that a scheme can be reconstructed from its tensor triangulated category. I'll explain a different method for reconstruction via an infinity-categorical tannakian formalism. Our reconstruction is also applicable to Deligne-Mumford stacks.