

SCMS Seminar



WORKSHOP ON GEOMETRY OF B-MODEL

Time: 14:00-17:00, Wednesday, May 15th, 2019

Venue: Room 102, Shanghai Center for Mathematical Sciences

14:00-15:00 Lecture 1

Title: Computing Hochschild Cohomology via Weak Self-homotopies and Algebraic Morse Theory

Speaker: Guodong Zhou (ECNU)

Abstract: We give an introduction to Hochschild cohomology. After defining this cohomology theory, I will introduce two computing methods. The first one uses weak self-homotopies, and the second is algebraic Morse theory. I will apply these two methods to various examples.

15:00-16:00 Discussion

16:00-17:00 Lecture 2

Title: Bogomolov-Tian-Todorov Theorem of Cyclic A-infinity Algebras

Speaker: Junwu Tu (ShanghaiTech)

Abstract: In this talk, we will discuss the categorical analogue of the Bogomolov-Tian-Todorov Theorem of cyclic A-infinity algebras. Furthermore, given a splitting of the Hodge filtration, we discuss the associated flat structure on the formal moduli space.