

Amendment



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

PHD STUDENT SEMINAR

**Mixed Spin P-field theory and higher genus
FJRW invariants**

By

Mr. Huaigong ZHANG

Abstract

The Mixed-Spin-P fields theory (MSP) gives BCOV-Feynman graph structure for all genus Gromov-Witten invariants of quintic Calabi-Yau threefold. This is the story near "large complex structure point". Near the "Gepner point", the corresponding A-model is FJRW theory. In this talk we shall introduce the MSP theory for Fermat quintic singularity, and use it to get structures of high genus Fan-Jarvis-Ruan-Witten invariants.

Date : 15 May 2024 (Wednesday) * revised

Time : 10:00am

Venue : Room 4504 (Lifts 25-26) * revised

All are Welcome!