THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

PHD STUDENT SEMINAR

Mixed Spin P-field theory and higher genus FJRW invariants

By

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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 : **10 May 2024 (Friday)**

Time : **10:00am**

Venue : **Room 2405 (Lifts 17-18)**

All are Welcome!