



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

SEMINAR ON PURE MATHEMATICS

The Physics and Mathematics of BCOV Theory

by

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Abstract

In this talk, I will first introduce the mirror symmetry for Calabi-Yau threefolds, which describes the genus zero structures of the Gromow-Witten theory. Then I will talk about the Feynman rule developed by Bershadsky-Cecotti-Ooguri-Vafa, which determines the higher genus structures. Such a conjectural Feynman rule was proved for the quintic threefolds case, by Huai Liang Chang, Jun Li, Weiping Li and myself. We will consider its generalization in this talk.

Date : 28 April 2021 (Wednesday)

Time : 10:30am – 11:30am

Zoom Meeting : <https://hkust.zoom.us/j/9584764665> (Passcode: 2021)

All are Welcome!