



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

SEMINAR ON PURE MATHEMATICS

Introduction to Gamma conjectures

by

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Abstract

The Gamma conjectures was proposed by S. Galkin, V. Golyshev and H. Iritani and relate the quantum cohomology of a Fano manifold and the Gamma class in terms of differential equations. Gamma conjectures consist of conjecture \mathcal{O} , Gamma conjecture I and Gamma conjecture II. In this talk, we will introduce some basics about Gamma conjectures including Dubrovin conjecture, Gamma-integral structure and statement of Gamma conjectures. This talk is the first one of the series of talks on Gamma conjecture.

Date : 28 April 2023 (Friday)

Time : 4:30pm

Venue : Room 5510 (Lifts 25/26)

All are Welcome!