



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

SEMINAR ON PURE MATHEMATICS

**On the quantum K-theory of complex
Grassmannians**

by

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Abstract

In this talk, we will discuss the property of sum of Schubert structure constants for the quantum K-theory of complex Grassmannians (and more generally flag varieties). We will also introduce a cyclic group symmetry on the quantum cohomology of complex Grassmannian $\text{Gr}(k, n)$, due to a formula by Belkale. We will show its generalization to the quantum K-theory $\text{QK}(\text{Gr}(k, n))$.

Date : 12 May 2021 (Wednesday)

Time : 10:30am – 11:30am

Zoom Meeting : <https://hkust.zoom.us/j/9584764665> (Passcode: 3131)

All are Welcome!