



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

SEMINAR ON PURE MATHEMATICS

Cluster structurer on K-theoretic Coulomb branches, part II.

by

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Abstract

It was conjectured by Davide Gaiotto, that K-theoretic Coulomb branches of 3d $N=4$ SUSY gauge theories possess structure of cluster varieties. In this talk, I will explain how to attack this conjecture in the case of quiver gauge theories. Time permitting, I will also present an application of our result to representation theory of quantum groups. This talk is based on a joint work with Gus Schrader, and is part II of Gus's talk.

Date : 29 September 2020 (Tuesday)

Time : 9:30am – 10:30am

Zoom Meeting : <https://hkust.zoom.us/j/96583357652> (Passcode: 003168)

All are Welcome!