



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

ALGEBRA AND GEOMETRY SEMINAR

**The Hamiltonian reduction of
hypertoric mirror symmetry**

by

Prof. Michael McBreen

The Chinese University of Hong Kong

Abstract

I will describe recent work with Vivek Shende and Peng Zhou, which relates the Fukaya category of a multiplicative hypertoric variety to the Fukaya category of its associated toric arrangement. This provides evidence for a general conjecture which describes the 'hamiltonian reduction' of a Fukaya category at singular values of the moment parameter. Despite the subject, the talk should be accessible to someone unfamiliar with the Fukaya category.

Date : 23 October 2024 (Wednesday)

Time : 4:00pm - 5:30pm

Venue : Room 4475 (Lifts 25/26)

All are Welcome!