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The Hong Kong University of Science and Technology

Department of Mathematics

Seminar on Pure Mathematics

Representation stability and moduli spaces

By

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Abstract

A sequence of spaces is said to be representation stable if their cohomology, when viewed as representations of their own symmetry, stabilises. Introduced by Church and Farb, representation stability is ubiquitous among various kinds of moduli spaces with permutation symmetry. In this talk I will explain this notion and discuss its appearance in our recent work in progress on moduli spaces of flat connections over higher dimensional tori.

Date: Tuesday, 18 July, 2017

Time: 3:00p.m.-4:00p.m.

***Venue: Room 5508, Academic Building
(near Lifts 25&26), HKUST***

All are welcome!