

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research
Department of Mathematics*

GEOMETRY SEMINAR

An introduction to cluster algebra

Dr. Min HUANG

The University of Hong Kong

Abstract

Somos sequence is a sequence of numbers defined by a certain recurrence relation. In this talk, we will give the definition and some basic properties of cluster algebras. As an application of cluster theory, it will be seen that all the members of Somos sequences are integers for $k \leq 7$. If time permit, I will explain how cluster theory be used to study totally positive matrices.

The talk will be accessible for undergraduates without knowledges in advanced math courses.

Date: September 17, 2019 (Tuesday)

Time: 4:00 – 5:00pm

Venue: Room 210, Run Run Shaw Bldg., HKU

All are welcome