

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research  
Department of Mathematics*

## Seminar

# Primitive elements of free algebras of Schreier varieties of linear algebras

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### Abstract

A variety of algebras is a class of all algebras satisfying a given set of identities. A variety of linear algebras over a field is said to be Schreier if any subalgebra of a free algebra of this variety is free. A subset of nonzero elements of a free algebra is primitive if it is a subset of some set of free generators of this free algebra. The talk is devoted to the results and algorithms connected with primitive elements of free algebras of Schreier varieties of linear algebras.

Date: February 24, 2026 (Tuesday)

Time: 2:30 - 3:30pm

Venue: Room 210, Run Run Shaw Building, HKU

*All are welcome*