

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research
Department of Mathematics*

Seminar

Poisson birational quasi-isomorphisms

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Abstract

In 1982, Belavin and Drinfeld classified a class of so-called factorizable quasi-triangular Poisson brackets. Their relation to cluster algebras was found in 2010 by Gekhtman, Shapiro and Vainshtein, and it was used to construct families of cluster structures in coordinate rings of simple complex algebraic groups. Recently, results from cluster theory unveiled the global relation between Belavin-Drinfeld brackets, which we will explore in this talk.

Date: April 15, 2025 (Tuesday)

Time: 3:40 – 4:40pm

Venue: Room 210, Run Run Shaw Building, HKU

All are welcome