

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research  
Department of Mathematics*

## Analysis Seminar

# The long time behavior for some high-order analogue of Painlevé VI

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### Abstract

We will introduce our recent work on a high-order analogue of Painlevé VI, which is also a completely integrable system, with monodromy data as first integrals. For instance, we will specifically explain how to recover the long-term behavior of this analogue from those monodromy data. Additionally, we will discuss how the known results about Painlevé VI correspond to our works.

Date: March 19, 2024 (Tuesday)

Time: 3:30 – 4:15pm

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

*All are welcome*