

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research  
Department of Mathematics*

## Analysis Seminar

# On the second order linear representations of the sixth Painlevé equation

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### Abstract

Among Bonnet 1867, Fuchs 1905, Jimbo and Miwa 1981, Zotov 2004, Loray 2016, is there such a representation which would prevail by its unicity and/or some other properties? The requirement of a holomorphic dependence in the four parameters  $\theta_j$  of PVI discards the most well-known, but are the four remaining ones “better”?

We will present the elements allowing one to make a choice, necessarily subjective.

Date: March 19, 2024 (Tuesday)

Time: 4:15 – 5:00pm

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

*All are welcome*