



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

SEMINAR ON PURE MATHEMATICS

**Isomonodromy Equations and the Inverse
Monodromy Problem**

by

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Abstract

In this talk, we will introduce our recent work on some isomonodromy equations. These can be regarded as higher Painlevé equations. Our main result concerns the asymptotic behavior of their generic solutions; we also provide series solutions derived from the monodromy data and use this approach to study the inverse monodromy problem.

Date : 9 May 2025 (Friday)

Time : 3:00p.m.-4:00p.m.

Venue : Room 5506 (Lift 25/26)

All are Welcome!