



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

SEMINAR ON PURE MATHEMATICS

Persistence and Bonnet surfaces

by

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Abstract

The probability ("persistence") that a real stochastic variable retains its initial sign up to time t is proven to be represented by the tau-function of a sixth Painlevé equation whose monodromy exponents are identical to those of Bonnet surfaces.

Joint work with Ivan Dornic, CEA Saclay.

Date : 3 February 2023 (Friday)

Time : 2:00pm *

Venue : Room 4472 (Lifts 25/26)

All are Welcome!