



THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY

Department of Mathematics

SEMINAR ON PURE MATHEMATICS

Interpolation of Hopf monoids

by

Prof. Anthony Lazzeroni

North Park University

Abstract

In this talk we lift the theory of r -quasisymmetric functions to the theory of Hopf monoids. We provide a general method of interpolating between two Hopf monoids, one being the free monoid on a positive comonoid and the other being the free commutative monoid on a positive comonoid. We then apply this interpolation to a few examples including planar rooted forests and parking functions.

Date : 27 May 2026 (Wednesday)

Time : 4:00p.m.-5:00p.m.

Venue : Room 1410 (near Lift 25 & 26)

All are Welcome!