

Department of Applied Mathematics Seminar

Professor LI Chi Kwong

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Topic

Noncommutative Distances on Graphs: An Explicit Approach via Birkhoff-James Orthogonality

Date| Time

19 February 2025 (Wednesday) | 11:00 am – 12:00 nn (HK Time)

Venue

Y305

Abstract:

We study the problem of calculating noncommutative distances on graphs, using techniques from linear algebra, specifically, Birkhoff-James orthogonality. A complete characterization of the solutions is obtained in the case when the underlying graph is a path. This is joint work with Pierre Clare, Edward Poon and Eric Swartz.

ALL ARE WELCOME