

國立中山大學應用數學系

學術演講

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講題：Quantum Family of Maps from a Compact Space

時間：2019/05/30 (Thursday) 15:30 ~ 16:30 pm

地點：理學院四樓理 SC 4009-1 室

茶會：15:00 於理 SC 4010 室 (系辦公室)

Abstract

The notion and theory of the quantum space of all maps from a quantum space pioneered by Soltan have been mainly focused on finite-dimensional C^* -algebras, which are matrix algebras bundle over a finite set S . We propose a modification of this notion to cover the case of $C(X)$ for general compact Hausdorff spaces X instead of finite sets S , while taking into account of the topology of X . A notion of free product of copies of a unital C^* -algebra topologically indexed by a compact Hausdorff space arises naturally, and satisfies some desired functoriality.

This talk is based on the joint work with Thomas Timmermann.

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