

GRADUATE SEMINAR

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Abstract Sub-Product Systems

MSc Student supervised by Remus Floricel

March 12, 2018

3:30 p.m.

Mathematics & Statistics Lounge (CW 307.20)

Abstract:

In this talk, I will briefly discuss the construction of a concrete sub-product system from a given Quantum dynamical semigroups (QDS), which are weak*-continuous one-parameter semigroups of unital, normal completely positive maps acting on the algebra $B(H)$ of all bounded linear operators on a Hilbert space H . Next, I introduce the notion of an abstract sub-product system, and show that every such system with an injective representation onto $B(H)$, is isomorphic to a concrete sub-product system.