

GRADUATE SEMINAR

Shane J. Crerar

Entanglement breaking channels and spaces of completely positive maps.

MSC Student supervised by Martin Argerami

November 30, 2022

3:30 pm

University of Regina

Zoom Meeting ID: 941 2536 7372

Abstract: Entanglement breaking channels are unital completely positive maps whose output states are always separable. A preliminary characterization of entanglement breaking channels will be presented as well as an introduction to spaces of completely positive maps. By using the characterization of entanglement breaking channels formulated by Holevo, one can determine if a point in the space of completely positive maps for finite dimensional spaces is entanglement breaking.

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