

# GRADUATE SEMINAR

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## Relative weak injectivity of operator systems

*PhD Student supervised by Doug Farenick*

Friday June 7th

10:00

Math Lounge (CW307.20)

**Abstract:** The concept of relative weak injectivity in the category of  $C^*$ -algebras is well known from the works of Christopher Lance in the '70s on the isometric inclusions of the max-tensor products of  $C^*$ -algebras. Recently, Vern Paulsen and his co-authors established the notion of tensor products of operator systems. In this talk we shall see a formulation of a version of relative weak injectivity in the category of operator systems, existence of relatively weakly injective pairs of operator systems and some examples.