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Title: Representations of Logmodular Algebras

Abstract: It is still an unsolved problem as to whether every contractive representation of H^∞ is completely contractive. The disk algebra, the algebra H^∞ and nest algebras are all examples of logmodular algebras - a notion first introduced by Ken Hoffman. In this talk we present a modern operator space proof of a classical result of Foias and Suciu that proves that every two-contractive representation of an abelian logmodular algebra is completely contractive. This is a joint work with Vern I. Paulsen.