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Title: An Operator Algebraic Proof of the Agler and Nevanlinna Factorization Theorems

Abstract: We present a short proof of the Agler and Nevanlinna factorization theorems that primarily uses the abstract characterization of operator algebras. In the case of polynomials, we obtain somewhat more information. This talk is based on joint work with Meghna Mittal and Vern Paulsen.