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Jennifer Good* (jennifer-good@uiowa.edu), University of Iowa, Department of Mathematics, 14 MacLean Hall, Iowa City, IA 52242-1419. *Pick Interpolation in a Weighted Noncommutative Setting.*

Inspired by Popescu's work with noncommutative varieties and related constructs, Muhly and Solel recently extended their work on Hardy algebras of W^* -correspondences to accommodate operator-valued weights. Many classical notions, for instance the interpolation results of Nevanlinna and Pick, have appropriate generalization in this setting. We will explore several of these ideas. (Received September 05, 2014)