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Duality and peak-interpolation for continuous multipliers of the Drury-Arveson space

A measure on the unit sphere is said to be Henkin if it has a certain weak-* continuity property. Such measures are completely characterized by a classical theorem due to Henkin and Cole-Range, and they can be used in the context of operator theory to show that a constrained absolutely continuous contraction must be pure. Motivated by the corresponding question for commuting row contractions, we investigate the dual of the algebra A_d of continuous multipliers of the Drury-Arveson space by studying "Henkin" functionals. We also consider a version of the classical peak-interpolation problem from the theory of uniform algebras. (Joint work with Ken Davidson)