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

It is a classical result that the dual space of the ball algebra $A(\mathbb{B}_d)$ can be described explicitly in terms of Henkin measures and totally singular measures. This description 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 describe the dual of the algebra $\mathcal{A}_d$ generated by the polynomial multipliers of the Drury-Arveson space. We also obtain a multiplier analogue of the Carleson-Rudin-Bishop peak interpolation theorem. (Joint work with Ken Davidson)