1125-46-1197 **Ryan K Tully-Doyle*** (ryan.tullydoyle@hamptonu.edu), Department of Mathematics, Hampton University, Hampton, VA 23668. *Boundary behavior of analytic functions on the bidisk via Hilbert spaces.*

The Schur functions in two variables are the holomorphic maps from the complex unit bidisk $\mathbb{D}^2$ into the unit disk $\mathbb{D}$. We characterize the differential behavior of a Schur function φ at a boundary singularity $\tau \in \mathbb{T}^2$ in terms of the structure of an associated contractive operator Y on a Hilbert space $\mathcal{H}$ arising from an Agler model. (Received September 15, 2016)