1127-46-331   **Ryan K Tully-Doyle*** (`rtullydo@gmail.com`), 13 Murray St, Hampton, VA 23651-1024. *Schur functions on the bidisk and differentiability in terms of Hilbert space operators.*

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 February 06, 2017)