

1106-47-1590

**R. Tully-Doyle\*** ([ryan.tullydoyle@gmail.com](mailto:ryan.tullydoyle@gmail.com)). *Representations of Pick functions in several variables.*

The Pick class in one complex variable is the family of holomorphic functions with non-negative part on the complex upper halfplane. Two classical integral representations, referred to as Nevanlinna representations, characterize functions in the Pick class in terms of positive measures on the real line. I will discuss the generalization of these representations to Pick functions in several variables in terms of self-adjoint operators on a Hilbert space. (Received September 14, 2014)