

1127-47-317

Matthew Fleeman* (matthew_fleeman@baylor.edu) and **Constanze Liaw**. *Preliminary findings on hyponormal operators on the Bergman space with non-harmonic symbol*. Preliminary report.

The Toeplitz operator acting on the Bergman space $A^2(\mathbb{D})$, with symbol φ is given by $T_\varphi f = P(\varphi f)$, where P is the projection from $L^2(\mathbb{D})$ onto the Bergman space. In this talk we will present some history on the study of hyponormal Toeplitz operators acting on $A^2(\mathbb{D})$, as well as give some results for when φ is a non-harmonic polynomial. (Received February 06, 2017)