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Adam E Broschinski* (aebroschinski@ufl.edu). *Eigenvalues of Self-Adjoint Toeplitz Operators with respect to a Constrained Algebra.*

By working with all collection of all the Sarason Hilbert Hardy spaces for the annulus algebra an improvement to the results of Aryana and Clancey on eigenvalues of self-adjoint Toeplitz operators on an annulus is obtained. The ideas allow us to analyze eigenvalues in the gap of self-adjoint Toeplitz operators on the Neil algebra. We will discuss Toeplitz operators on n-holed domains and other constrained algebras too. (Received September 13, 2013)