

DREXEL ANALYSIS SEMINAR

October 28, 2022

2-3 PM, Korman 245

Speaker: Ramesh Garimella (University of Central Arkansas)

Title: On the Spectrum of the Absolute Norm Attaining Positive Operators

Abstract: A bounded linear operator T on a Hilbert space H is said to be norm attaining if there exists x in H with $\|x\| = 1$ such that $\|Tx\| = \|T\|$. T is said to be an absolute norm attaining operator if for every closed subspace M of H , T restricts to M is norm attaining on M . In this presentation, we survey some interesting properties of the spectrum of an absolute norm attaining positive operator on a Hilbert space which will lead to a characterization of such an operator.