

1096-32-1879

Joshua Isralowitz, Mishko Mitkovski* (mmitkov@clemons.edu) and **Brett Wick**. *On some basic operator theoretic questions in Bergman-type spaces.*

I will introduce the concept of Bergman-type spaces which incorporates the Bergman and the Bargmann-Fock spaces as prime examples and give several criteria that imply boundedness and compactness of operators on these spaces. Most of these results can be viewed as “reproducing kernel thesis” statements. Namely, these results show that many crucial properties of a given operator can be deduced just by looking at its behavior on the reproducing kernels in the space. (Received September 16, 2013)