

1094-47-129

Brett D. Wick* (wick@math.gatech.edu), School of Mathematics, Georgia Institute of Technology, 686 Cherry Street, Atlanta, GA 30332-0160. *Essential Norm of Operators on Analytic Function Spaces.*

In this talk we will show that the compactness of operators on the Bergman space of the unit ball and the Bargmann-Fock space in several variables can be obtained in terms of the behavior of their Berezin transforms. We show how a vanishing Berezin transform combined with certain (integral) growth conditions on an operator T are sufficient to imply that the operator is compact on the space in question. (Received August 18, 2013)