

1127-47-271

Benjamin P Russo*, benjamin.russo@uconn.edu, and **Joel Rosenfeld**, joelar@ufl.edu. *A Generalization of the Fock Space*. Preliminary report.

In this talk we will introduce a generalized Fock space which uses the Mittag-Leffler function as its reproducing kernel. This space has been featured in the development of a finite difference method. However, it has yet to be investigated as a space of entire functions. We will discuss some preliminary results in comparison to the Fock space and potential applications. This is joint work with Joel Rosenfeld. (Received February 05, 2017)