

1102-47-139

Joseph C Noles* (jnoles@math.tamu.edu), Department of Mathematics, Texas A&M University, College Station, TX 77843. *Upper Triangular Forms and Spectral Orderings in a II_1 -factor.*

Dykema, Sukochev and Zanin used a Peano curve covering the support of the Brown measure of an operator T in a diffuse, finite von Neumann algebra to give an ordering to the support of the Brown measure, and create a decomposition $T = N + Q$, where N is normal and Q is s.o.t.-quasinilpotent. We show that a larger class of functions can be used to order the support of the Brown measure giving normal plus s.o.t.-quasinilpotent decompositions. (Received July 27, 2014)