

1117-42-153

Shahaf Nitzan* (shahaf.nitzan@math.gatech.edu). *A few remarks on approximation and density.*

Abstract: In their work regarding the approximation of delta functions over a uniformly discrete sequence, Olevskii and Ulanovskii prove that if such approximations are possible by functions with spectra supported on a given compact, then the corresponding discrete sequence can not be too dense. In this talk I will describe an extension of this result to non-compact spectra and discuss a dual question, regarding the approximation of exponentials. (Received January 11, 2016)