

1113-37-161

Dogan Comez* (dogan.comez@ndsu.edu), Department of Mathematics, Dept. #2750, PO Box 6050, Fargo, ND 58108-6050. *Discrete ergodic Hilbert transform along moving averages sequences*. Preliminary report.

This presentation is on the existence and non-existence of the discrete ergodic Hilbert transform (deHt) along sequences of integers, in particular moving averages sequences. Observing that deHt along moving averages sequences does not exist in general, we investigate classes of measure preserving transformations for which the existence hold. These results are also extended to the setting of a class of superadditive processes. (Received August 19, 2015)