Saikat Mukherjee (smukherj@uwyo.edu), Department of Mathematics, University of Wyoming, Laramie, WY 82071, USA, *On the Range of Composition Operators Acting on Spaces of Bandlimited Functions.*

ABSTRACT. The celebrated Paley-Wiener theorem naturally identified the spaces of bandlimited functions with subspaces of entire functions of exponential type. Recently, it has been shown that these spaces remain invariant only under composition with affine maps. In this paper we characterize the subspace of $L^2(R)$ generated by the action of composition operators on spaces of bandlimited functions. This is a joint work with F. Jafari.