

1135-28-2437

Bobby Wilson* (blwilson@mit.edu), Department of Mathematics, 77 Massachusetts Ave.,
Simons Building (Building 2), Room 2-171, Cambridge, MA 02139. *Orthogonal Projections and
Regularity of Sets.*

We will discuss the interplay between two concepts regarding sets with dimension strictly less than that of the ambient vector space: the qualitative properties of the projections of sets and the rectifiability of those same sets. The history of these connections date back to the work of Besicovitch in 1928. We will focus on work linking the theory of projections to infinite-dimensional Banach space geometry and probability. (Received September 26, 2017)