

1139-28-296

Bobby Wilson* (bobbylwilson@gmail.com), 77 Massachusetts Avenue, Room 2-171,
Cambridge, MA 02139. *Arbitrarily Slowly Decaying Favard Length.*

In this talk, we will discuss the concept of quantifying the visibility of a planar set and its relation to planar geometry. We will present the classical theorem of Besicovitch characterizing regularity of planar sets by the properties of their orthogonal projections which can be extrapolated to a characterization based on what is known as Favard length. This will be followed by an exploration of a similar characterization using approximations of sets in place of the original sets we want to study. (Received February 14, 2018)