

Jon Chaika (Rice). *Hausdorff dimensions for ergodic measures of IETs.*

Abstract. In this talk I will show that there exist Interval Exchange Transformations with an ergodic measure whose Hausdorff Dimension is arbitrarily small. I will also show that in particular cases one can bound the Hausdorff dimension saying that it is less than or equal to $1/r$ and greater than or equal to $1/(2r + 4)$ for any $r > 1$.