Aspects of Hausdorff Dimension

Theodore Slaman

 $\begin{tabular}{l} UC\mbox{-Berkeley} \\ slaman@math.berkeley.edu \end{tabular}$

We will describe how the perspectives of Recursion Theory and Set Theory suggest lines of investigation into Geometric Measure Theory. We will discuss the existence problem for sets of strong gauge dimension, which is a property generalizing that of strong measure zero.