

DIMENSION THEORY OF SOME RANDOM SETS.

SASCHA TROSCHKEIT

In this talk I will illustrate several ways of obtaining random sets, progressively expanding on classical models such as Mandelbrot percolation and culminating with "Random Graph Directed Systems". The talk will focus mostly on dimension theoretic results, but given time I will mention some measure theoretic results. The main motivation will be a random "implicit theorem" for random quasi self-similar sets that has so far only been conjectured.