Random Fractal Models Brownian Motion Over a time interval T, the values Y tend to jump by 1Y1 = T'2 · individual jumps are independent of one another (the fature is decoupled from the past) · The size of jumps is governed by

the bell curve (normal or Gaussien, distribution) Fractional Brownian motion (FBM) Small H gives rough graph, anti-persistent large H gives a smooth graph, persistent The dimension of the graph is about 2-H.

The past and future are coupled.

The past and future are coupled by the bell curve.

Low Diahter Levy Flights . Jumps are governed by a powerlaw.