

f.hasselman@bsi.ru.nl

Dimension X & Y

30

20

9

0

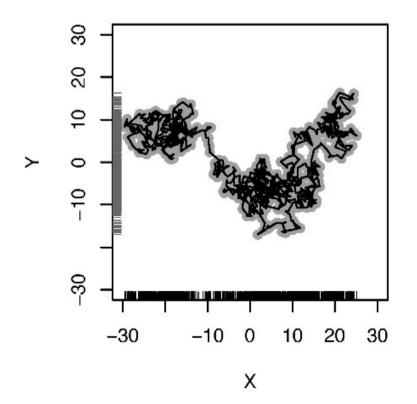
무

-30

0

200

2D State Space of MiniMeS



First Derivative of Dimension X & Y

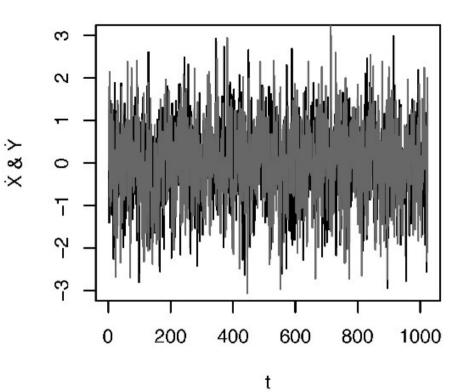
t

600

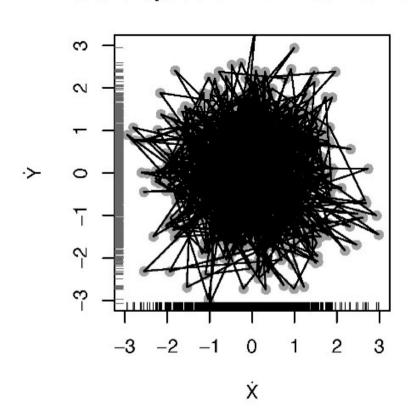
800

1000

400



2D State Space of MiniMeS Derivatives



- State Space (X & Y): The degrees of freedom MiniMe has
- to generate its

behaviour (move)

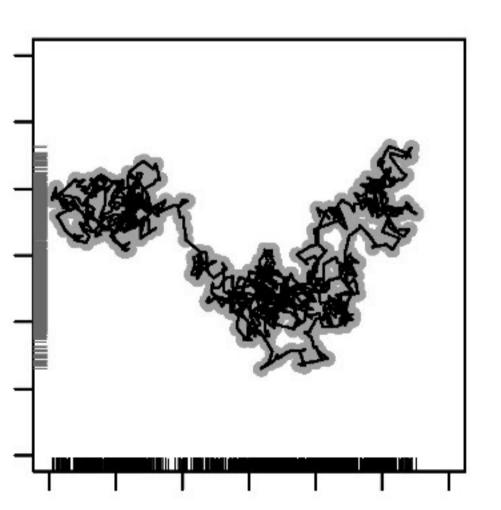


- This is a random walk, Brownian motion: Add a random number drawn from normal
 - distribution to current number.

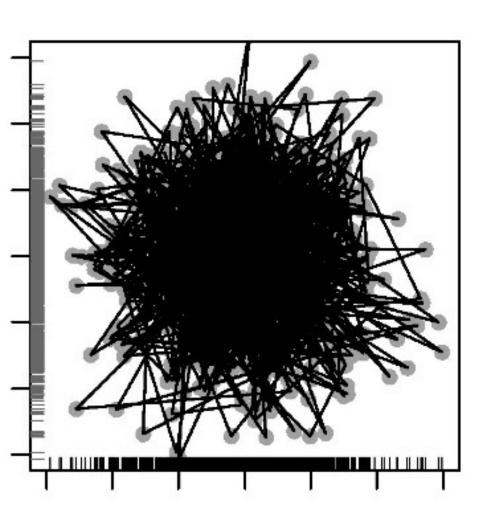


Where does the apparent order come from? It's a random process!!!!

2D State Space of MiniMeS



ate Space of MiniMeS Derivatives



'Simple' rule reduces degrees of freedom to move around: Matter has to occupy finite space & movement takes time (no teleportation yet)