

Results from 1D random walk

Experiment run on 11/6/2010 at 14.10

Parameters

Number of moves in each walk	30
Number of walks	100
Probability of moving right	0.4
Probability of moving left	0.4

Theoretical Values

expected distance travelled in 30 moves	0.00
expected mean square distance for 30 moves	24.00

Measured Values

average distance travelled in 30 moves	0.29
average square distance for 30 moves	12.55
maximum frequency of distance	15.00

Visualisation of results

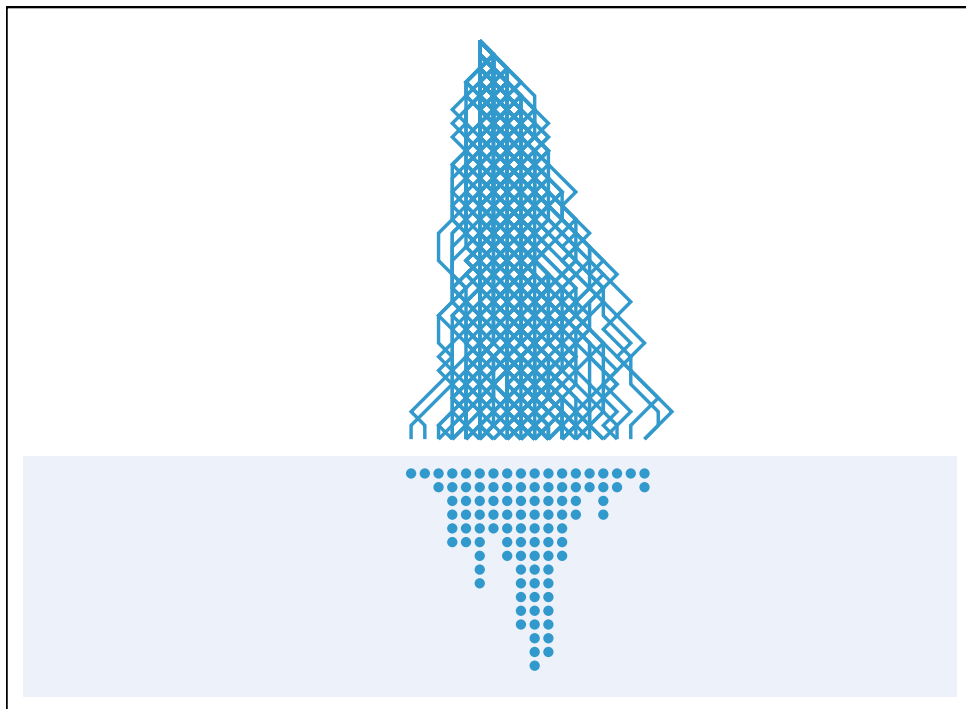


Figure 1: Upper panel shows cell pathways with vertical position representing timestep. Lower panel shows the distribution of final (horizontal) cell positions.