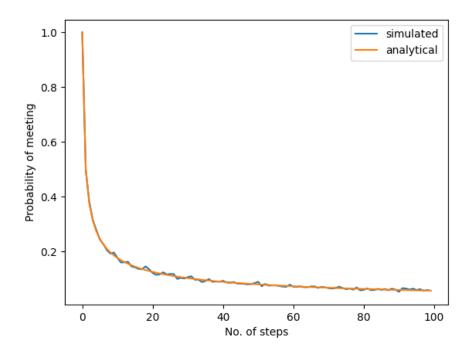
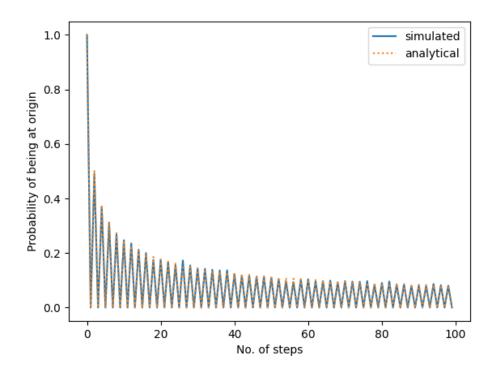
Random Walk

For analytical calculations please refer to analytical.pdf in the same directory.

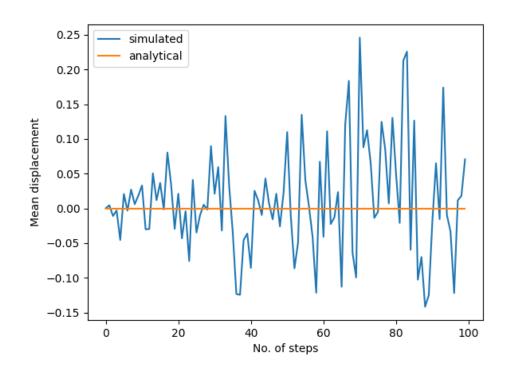
1. Two drunks randomly start out at origin, each having random probability of going to the left or right. Find the probability that they meet after N steps.



2. What is the probability of a drunk to be at the origin after N steps?



3. What is the mean displacement after N steps?



4. What is the mean square displacement after N steps?

