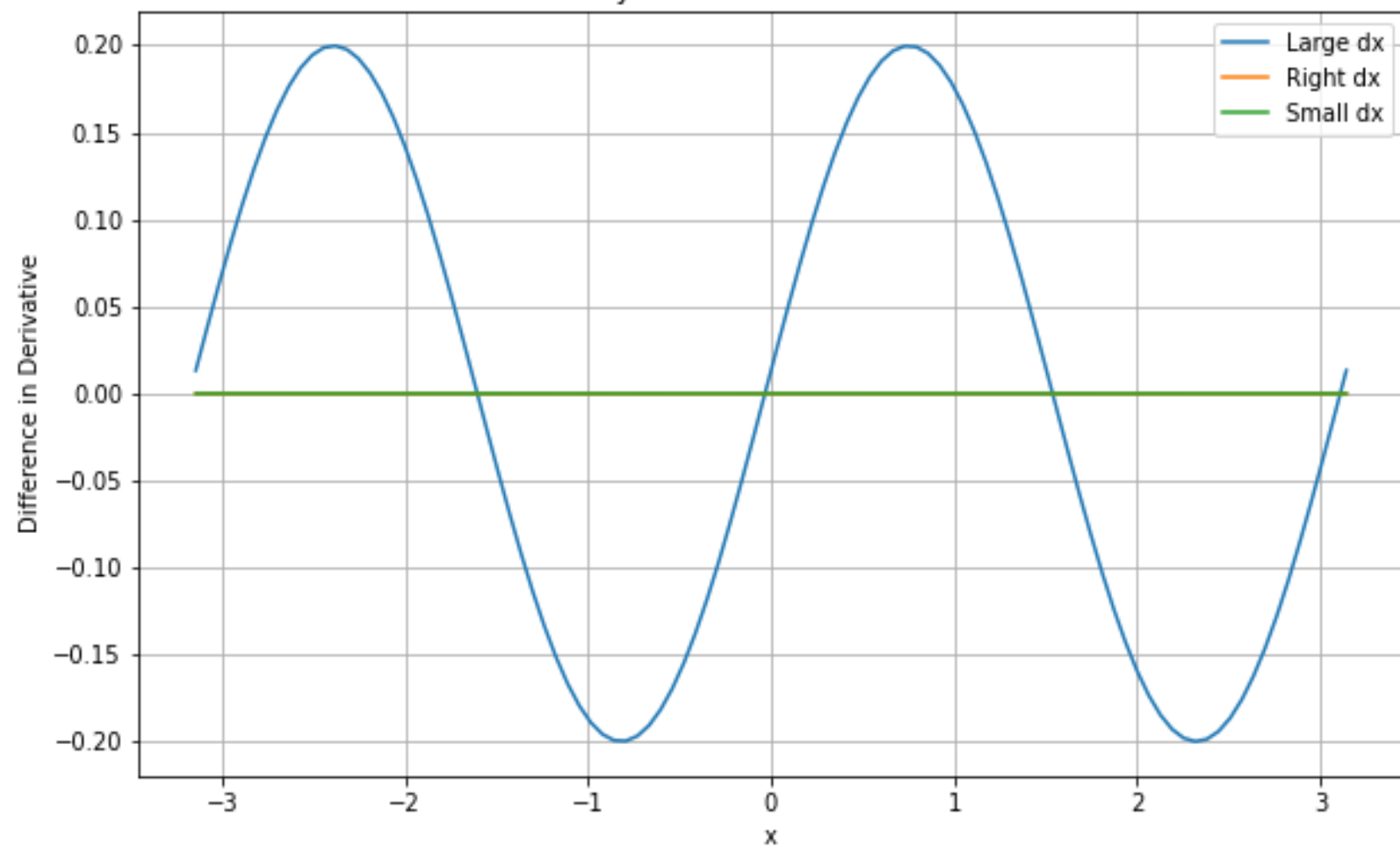
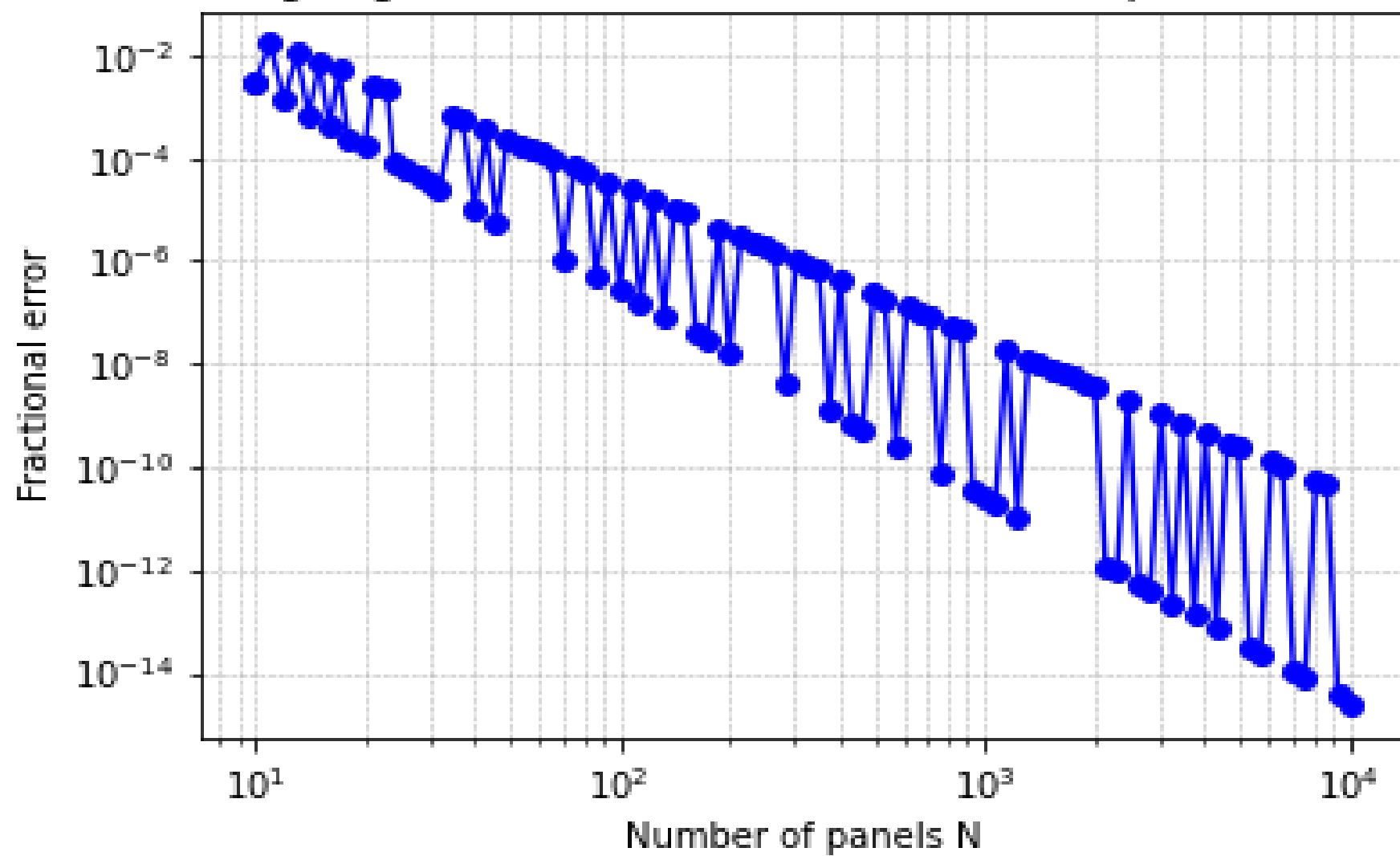


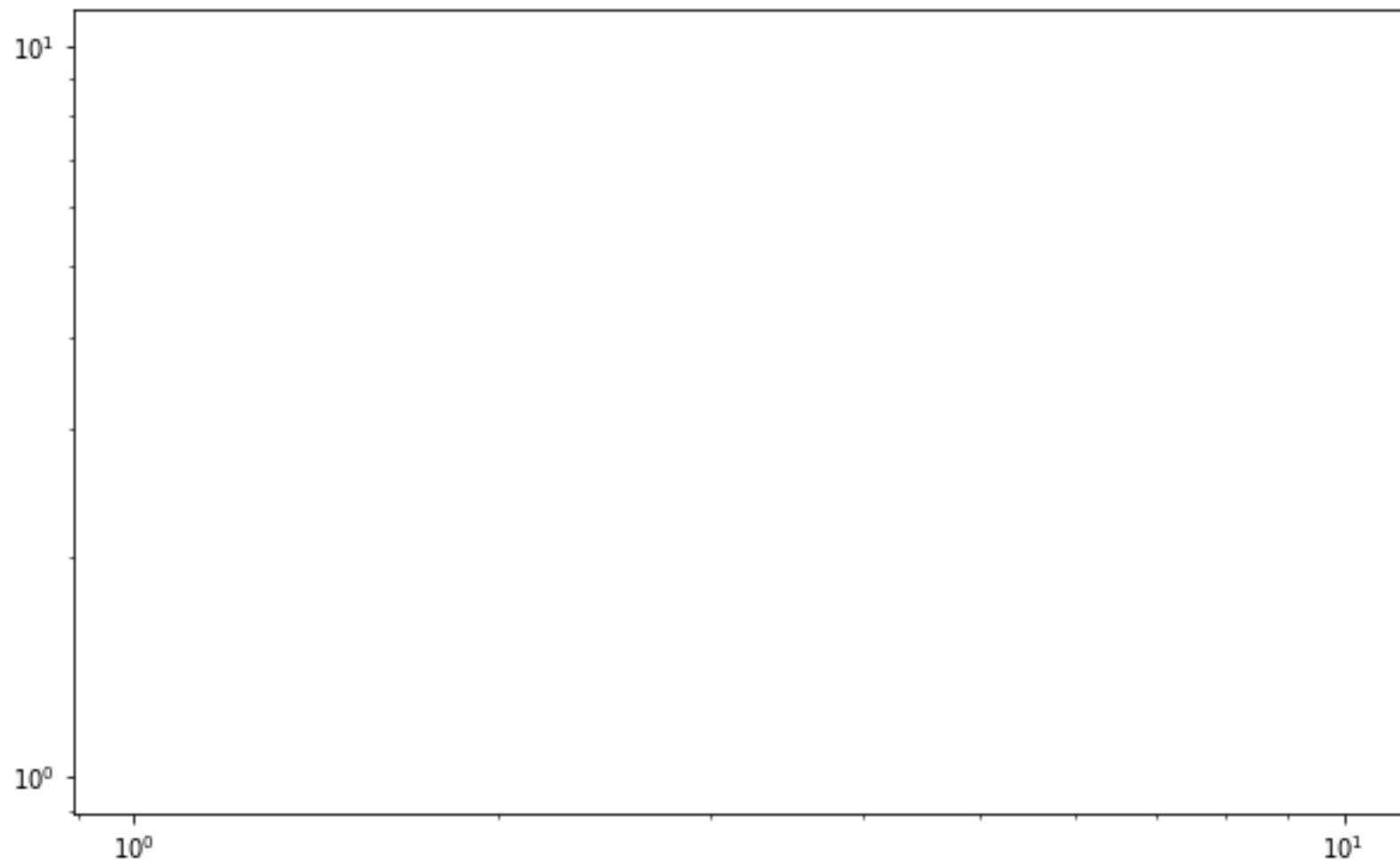
89181

Difference between Analytical and Numerical Derivatives for Various dx

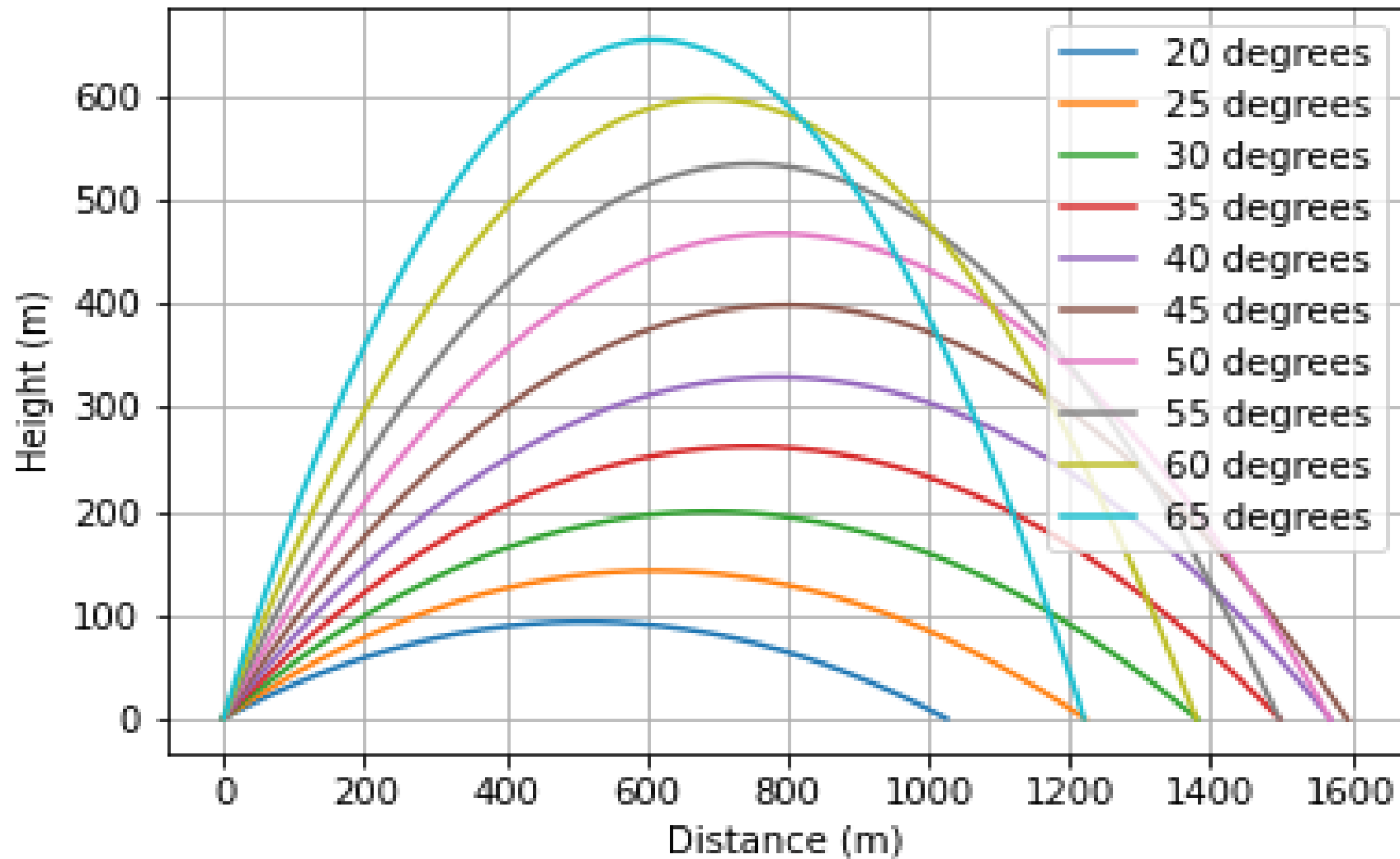


Log-Log Plot of the Fractional Error in Simpson's Rule

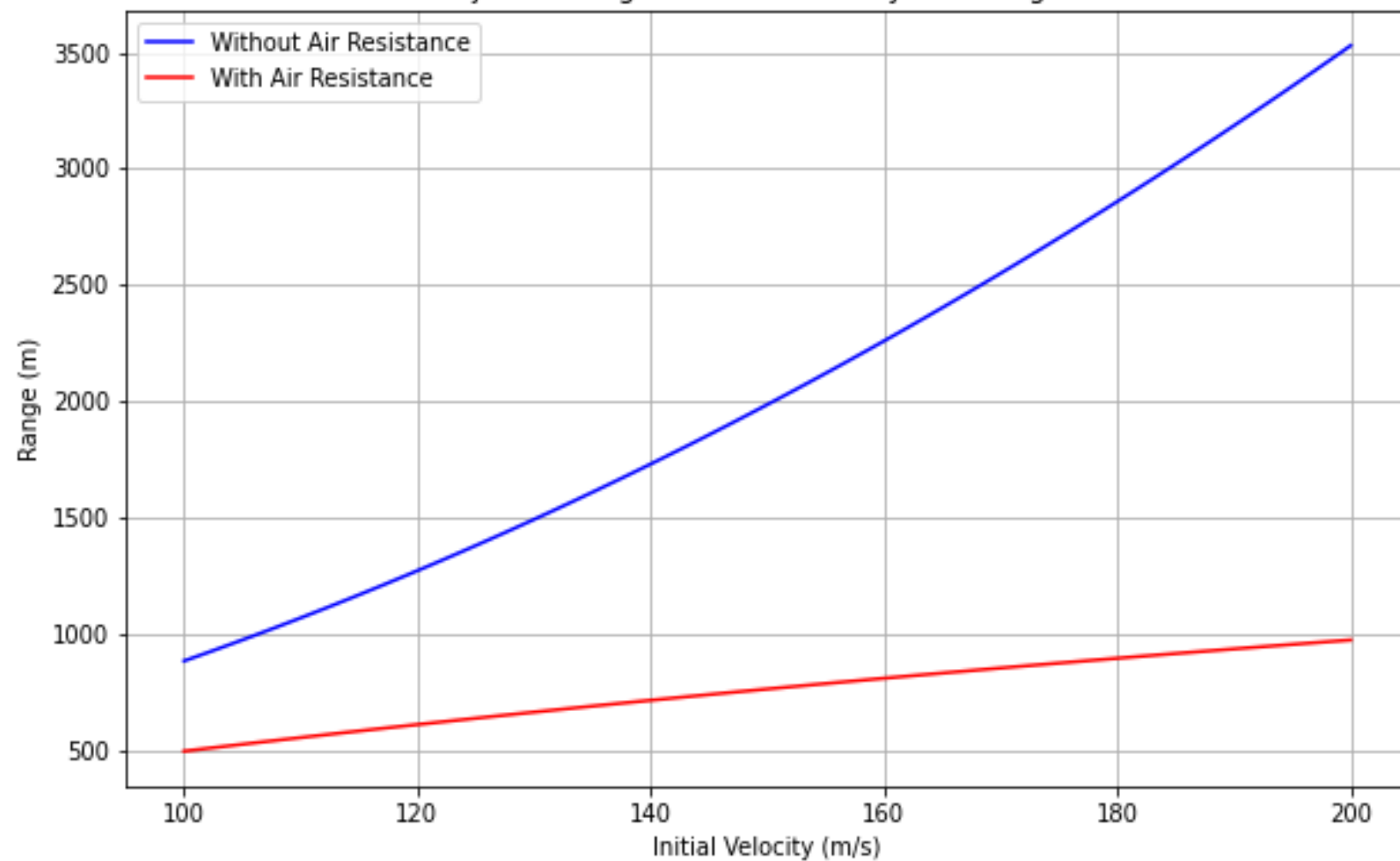




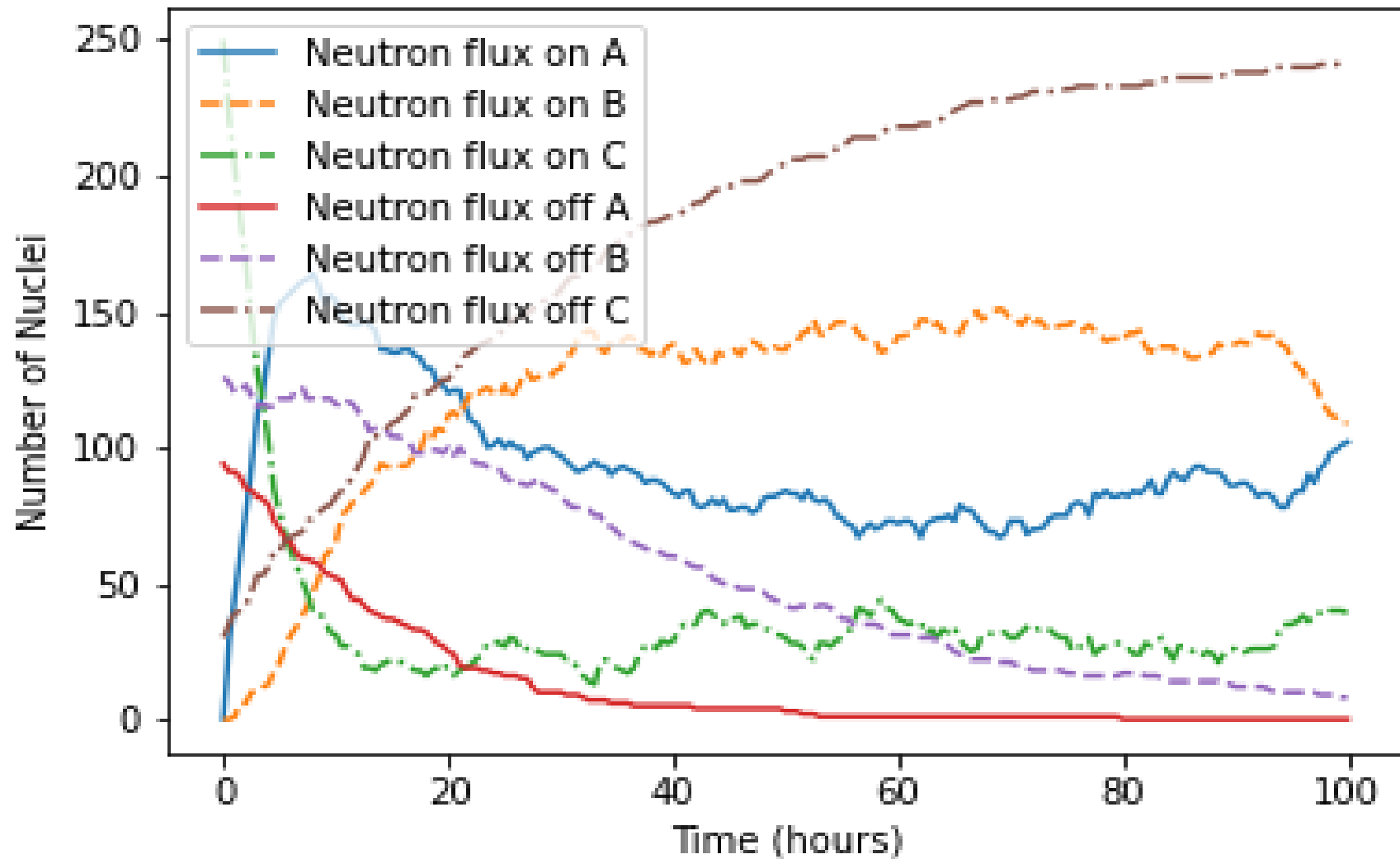
Projectile Trajectories at Different Angles



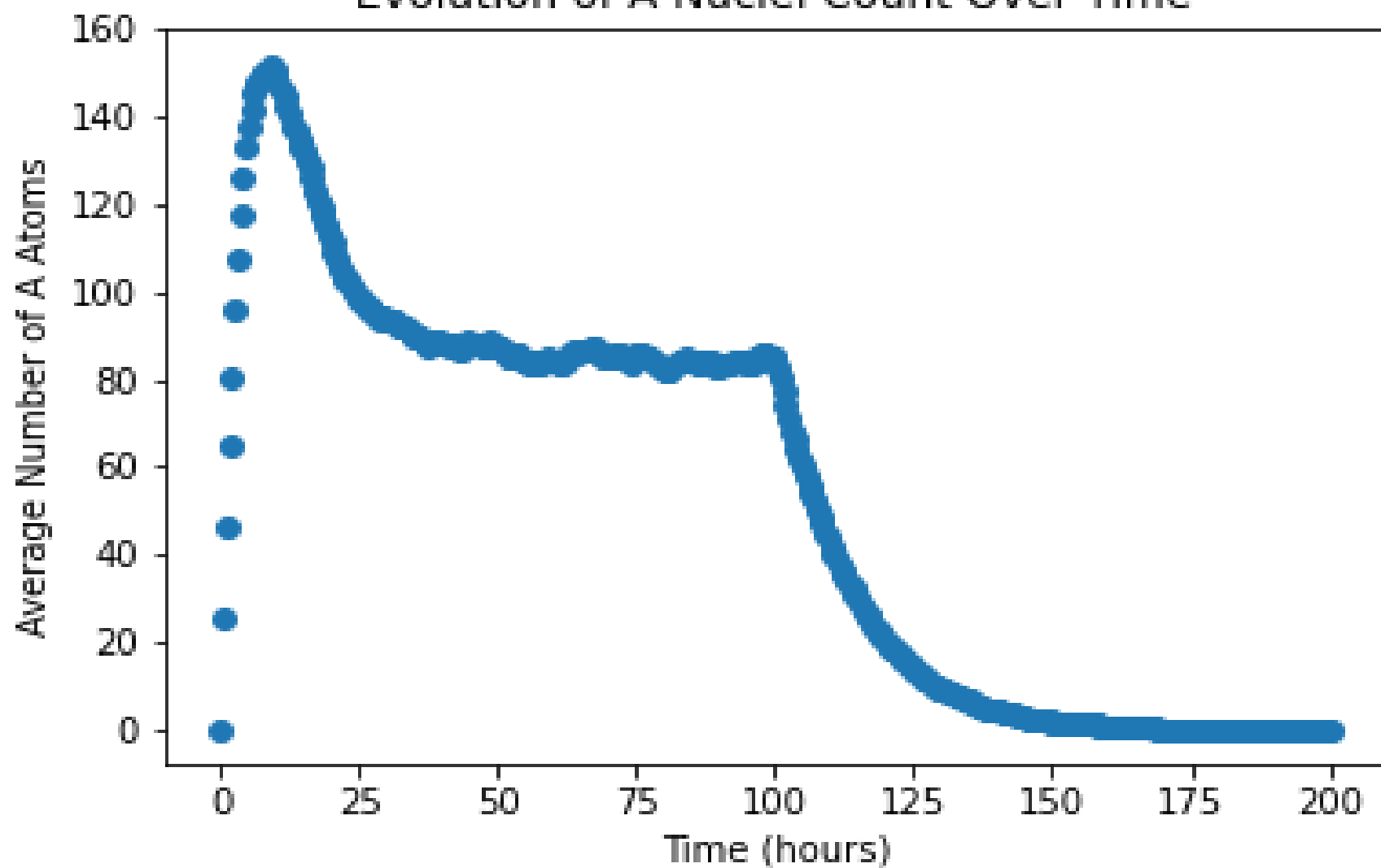
Projectile Range vs. Initial Velocity at 60 degrees



Nuclear Transmutation over Time

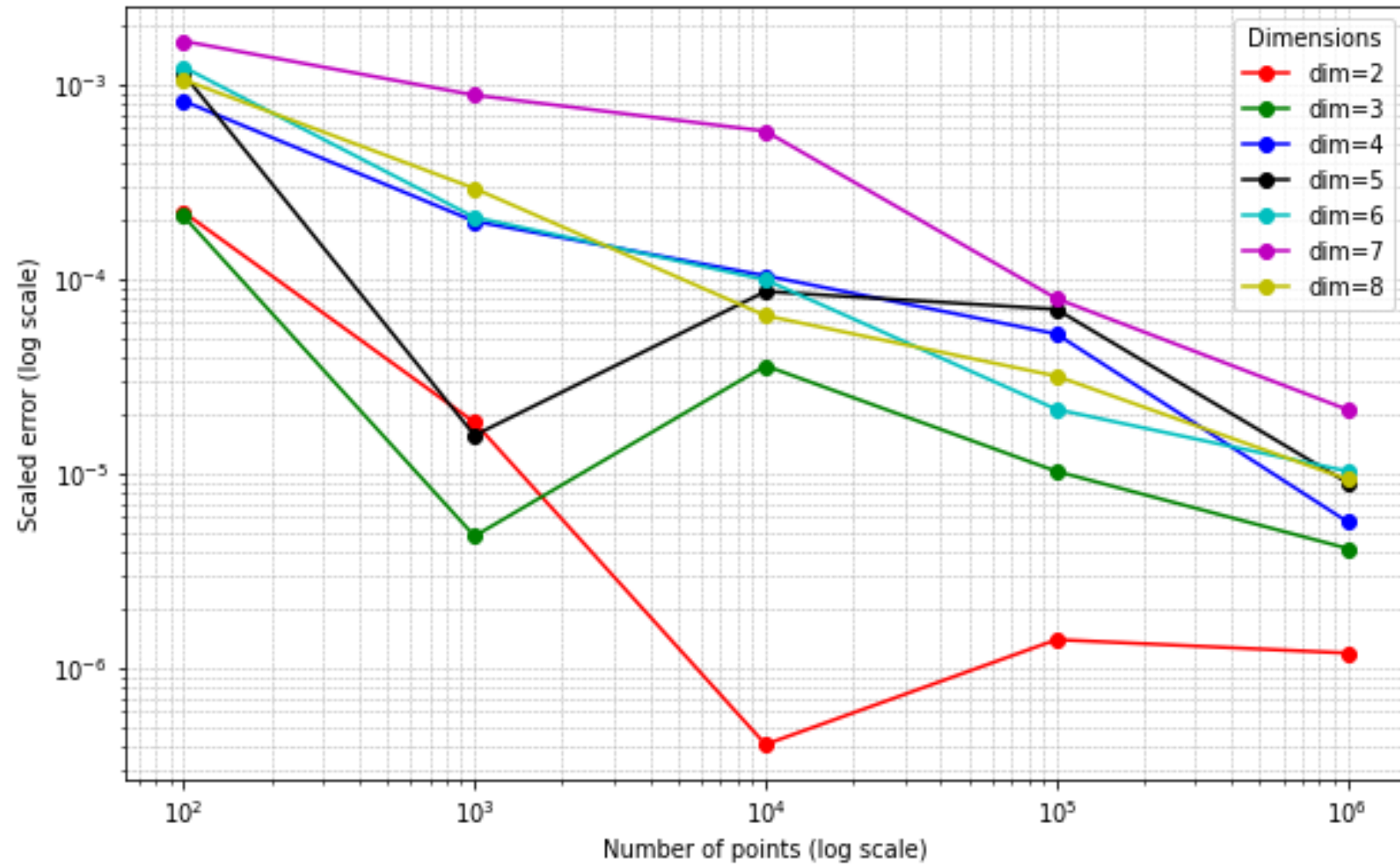


Evolution of A Nuclei Count Over Time

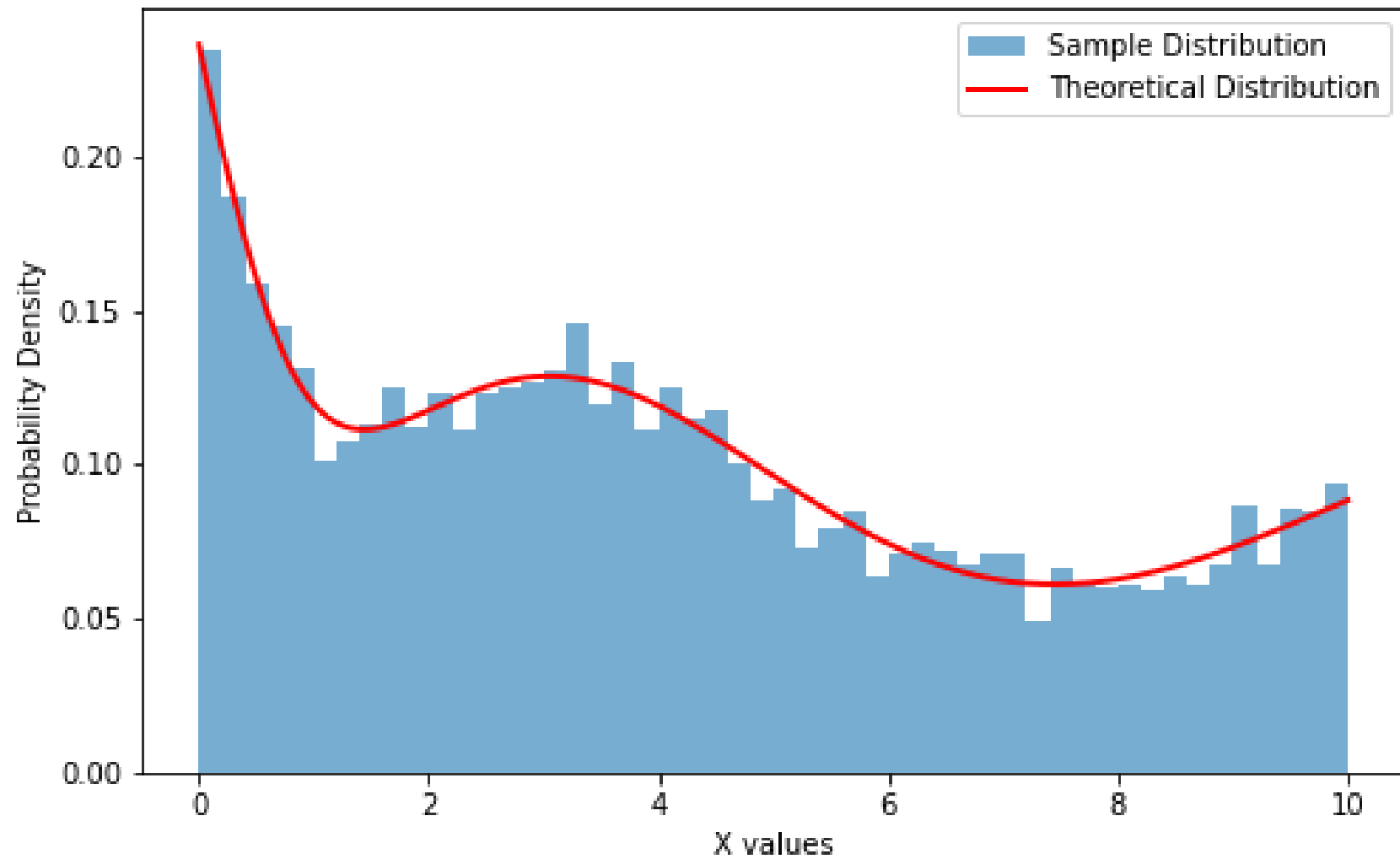




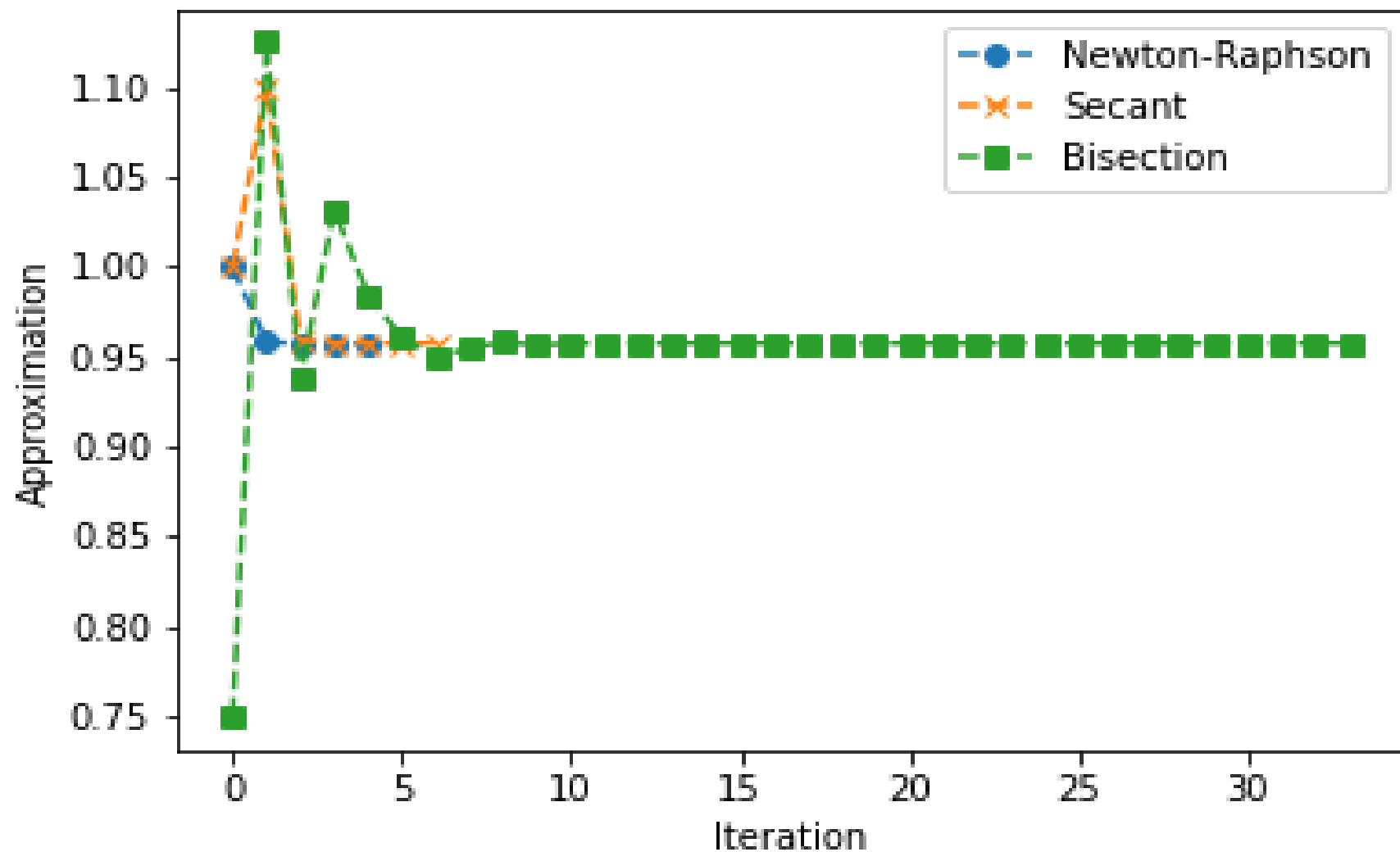
Integration error scaling with Monte Carlo estimation



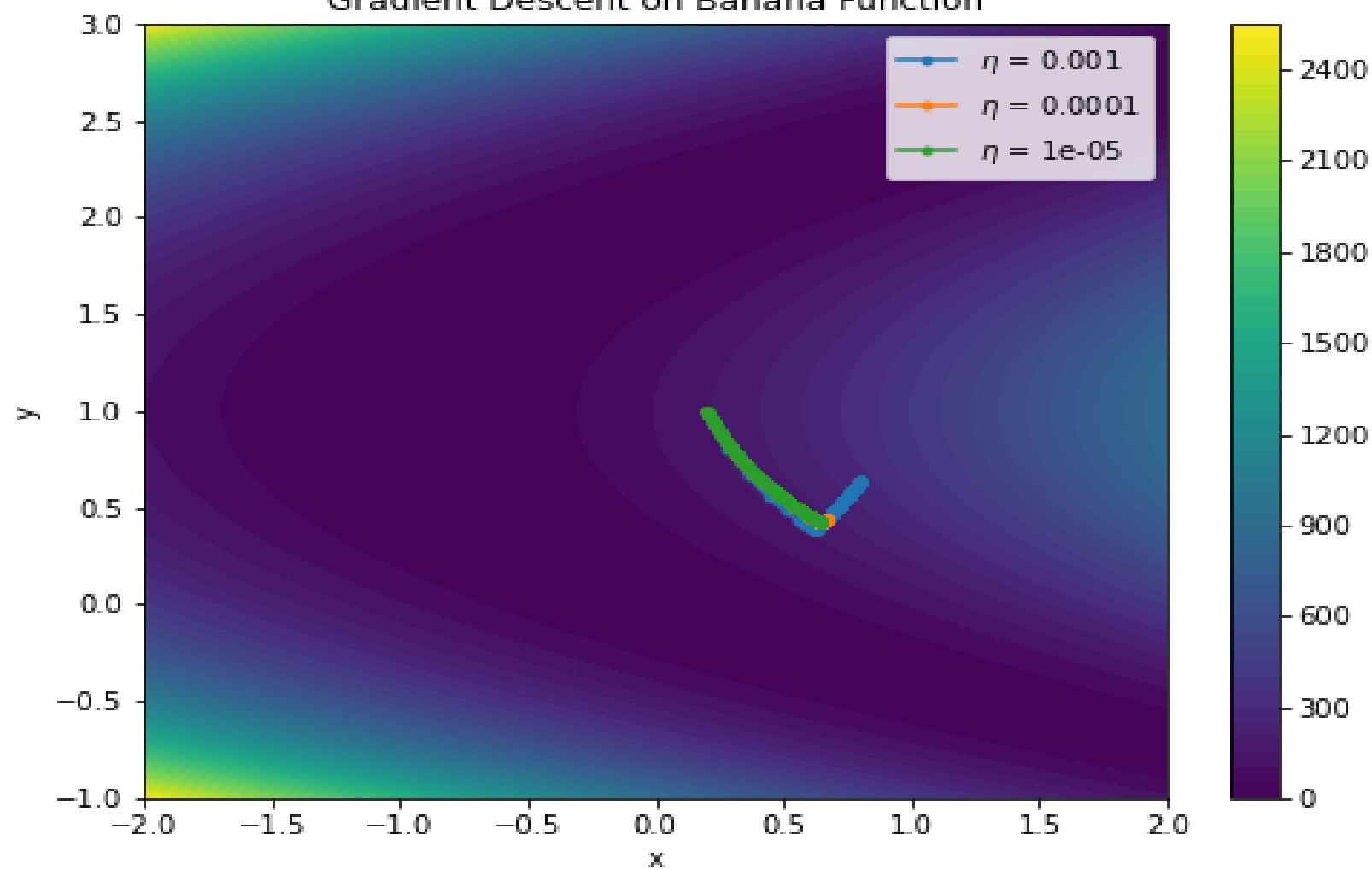
Distribution of Generated Sample vs Theoretical Distribution



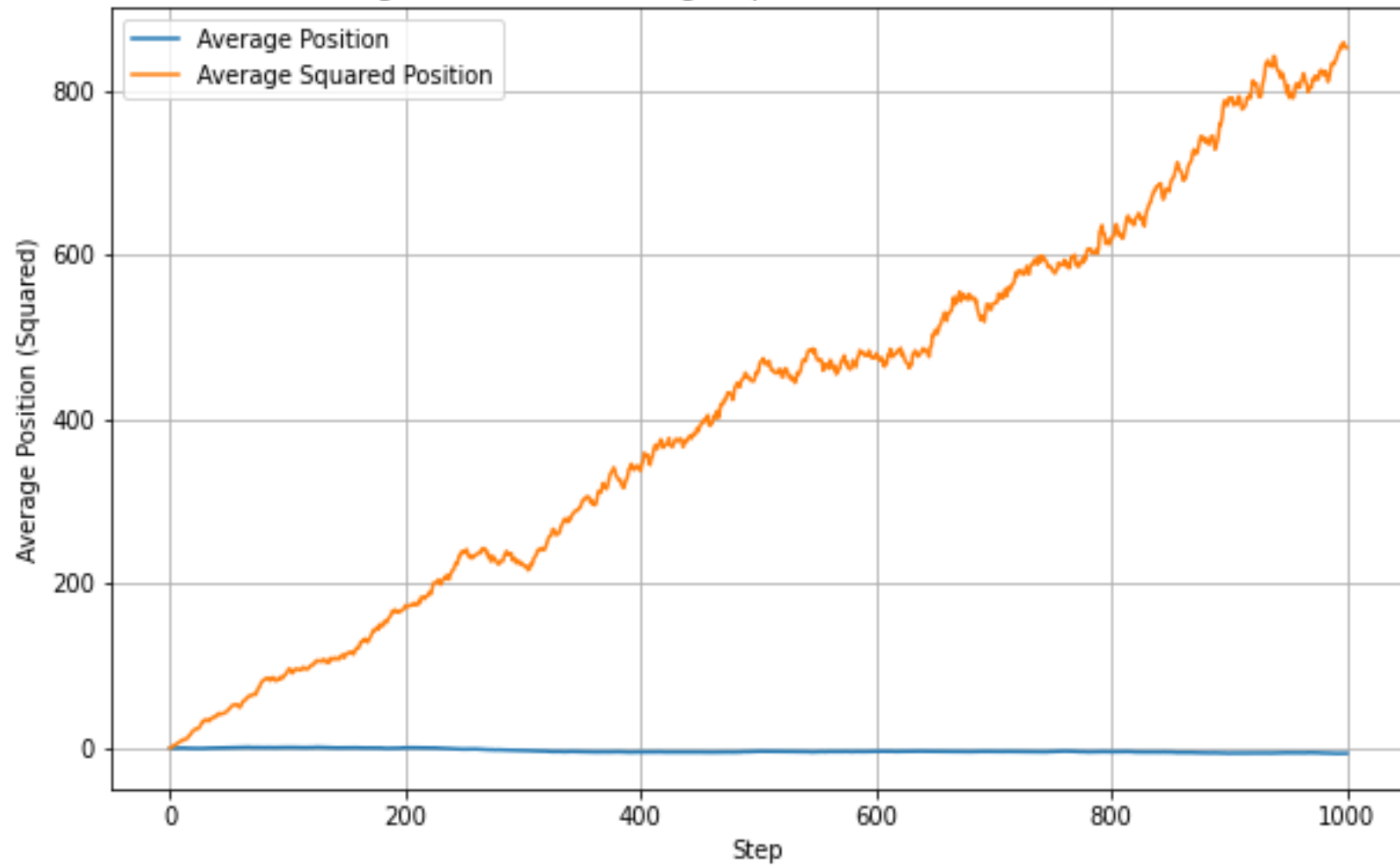
Convergence of Root Finding Methods



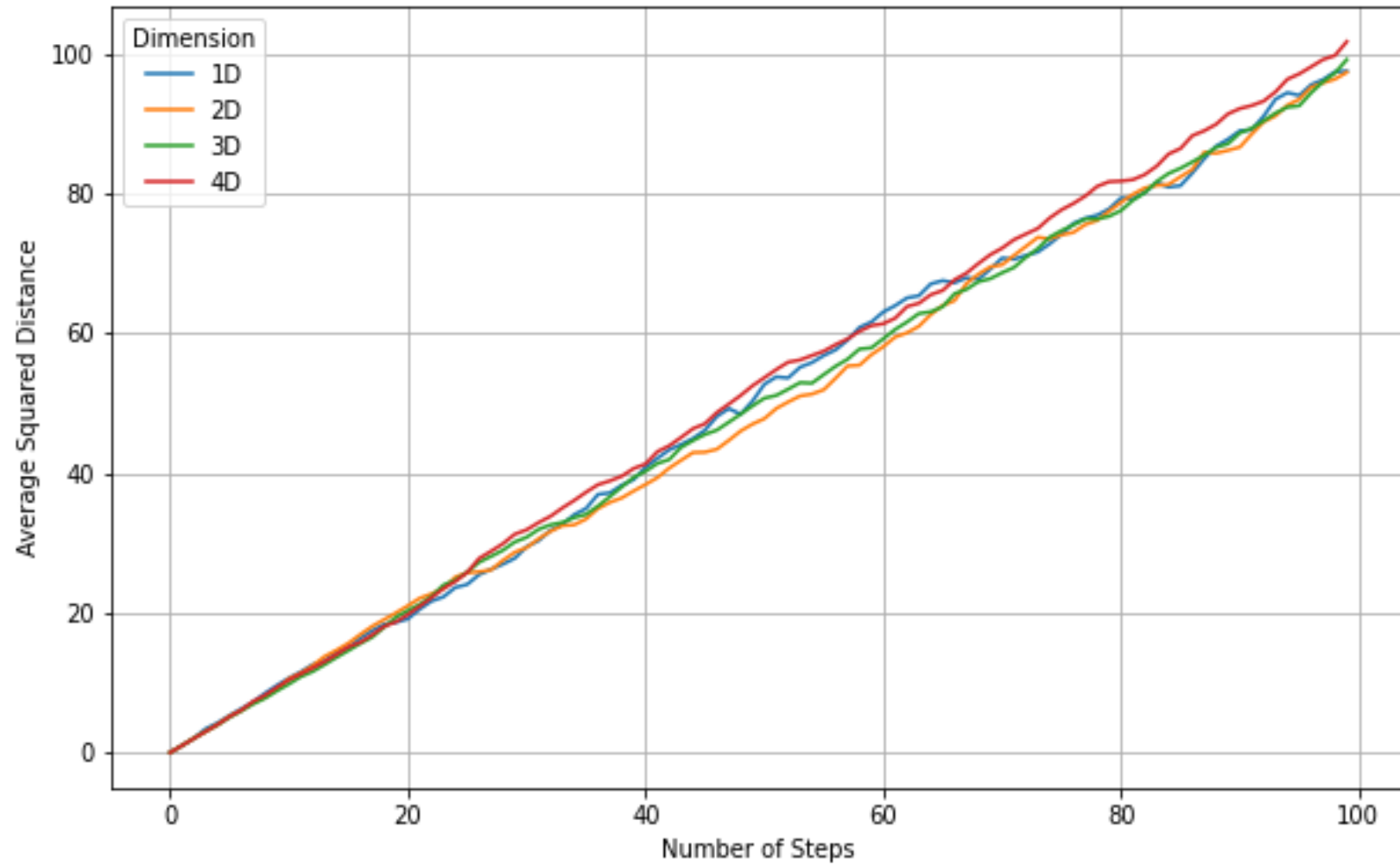
Gradient Descent on Banana Function



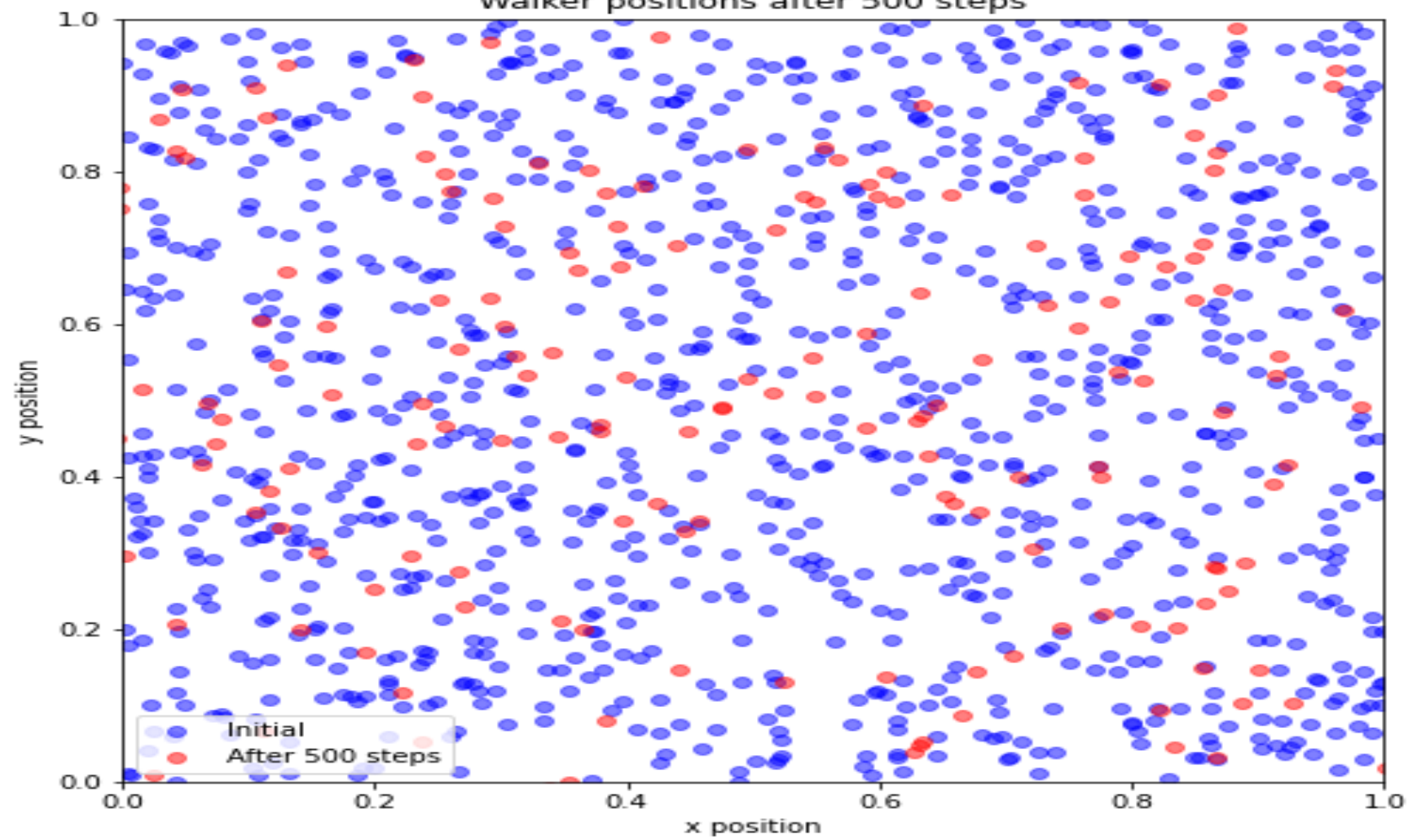
Average Position and Average Squared Position of 100 1D Walkers



Average Squared Distance vs. Number of Steps for Various Dimensions



Walker positions after 500 steps



AI?