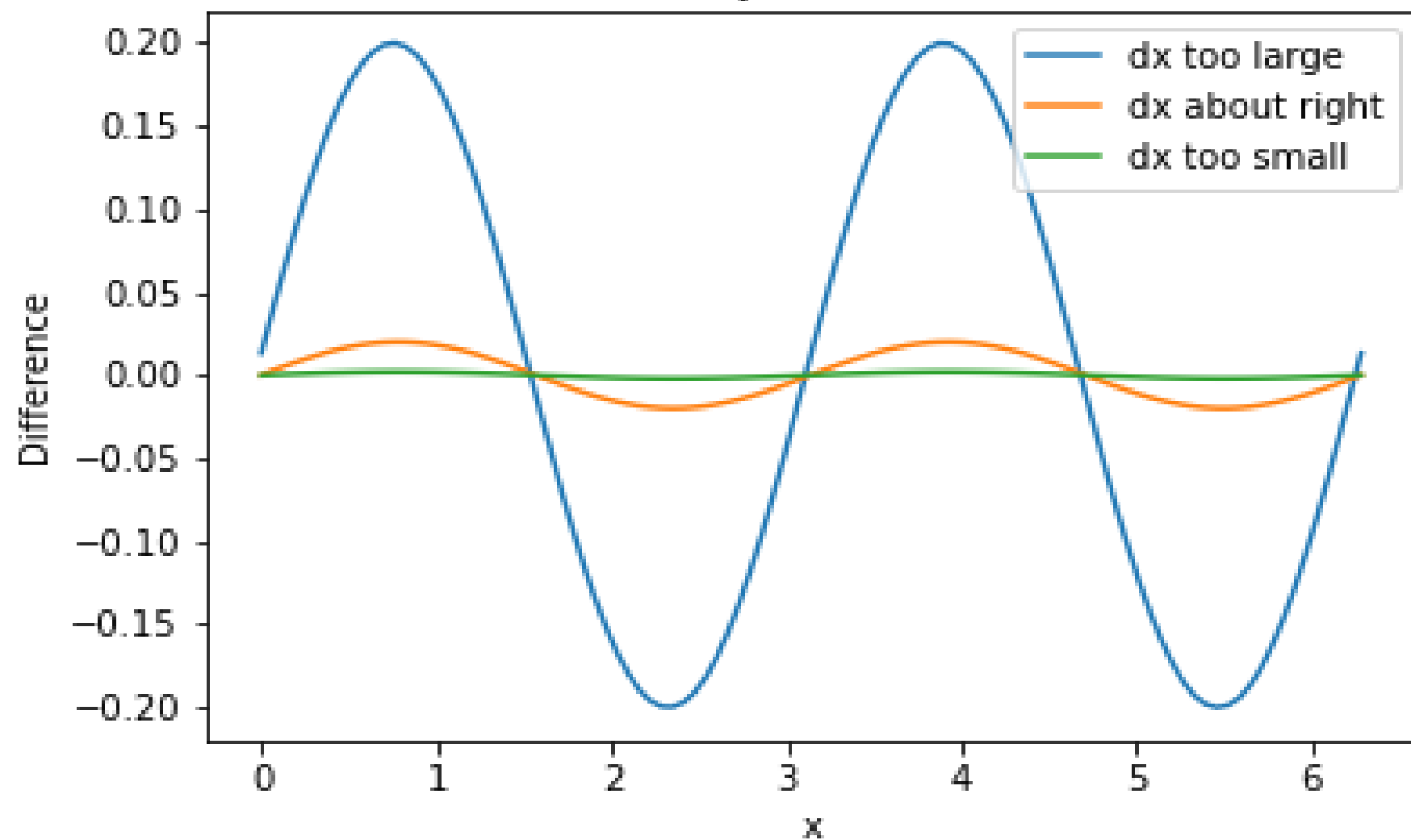
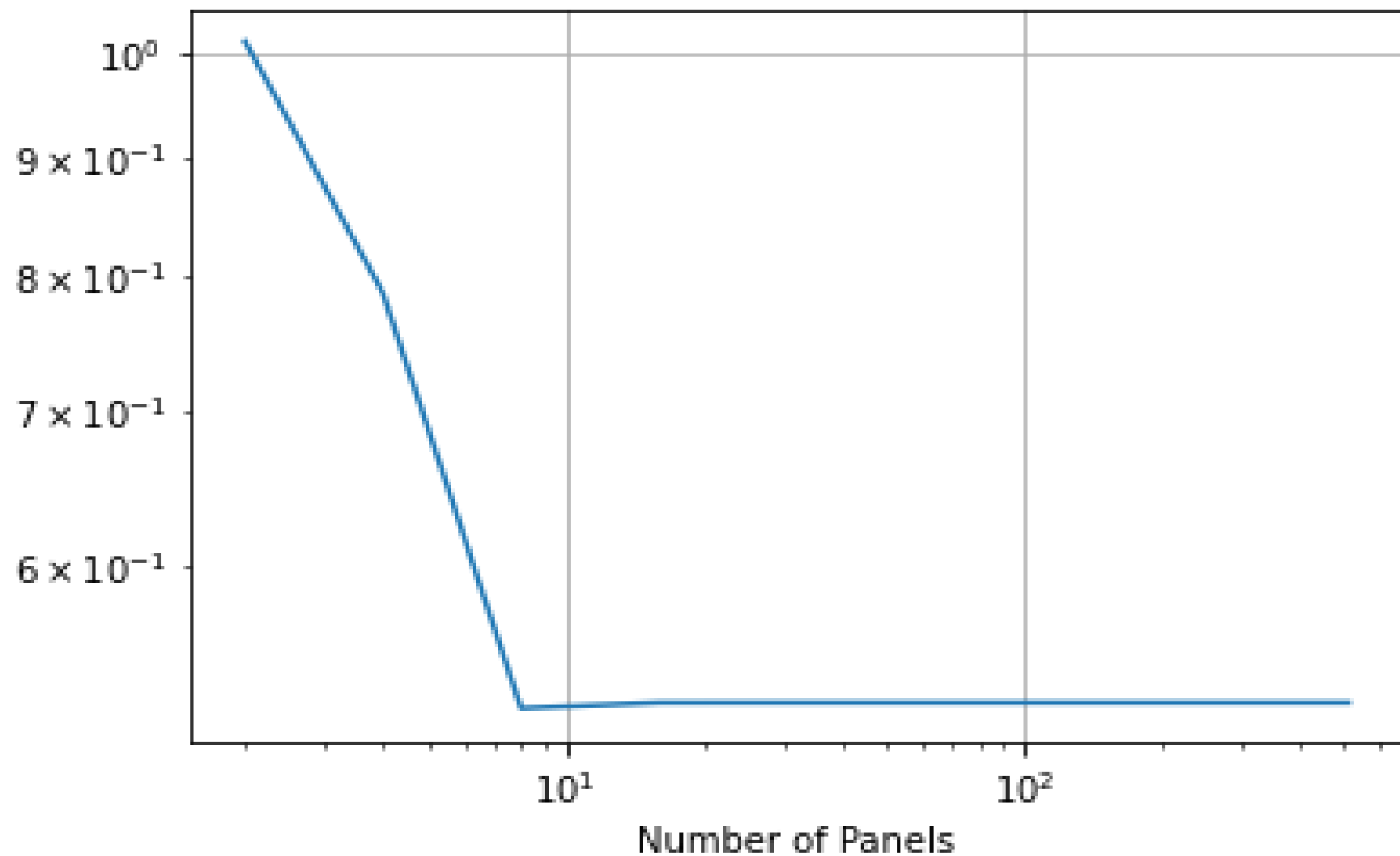


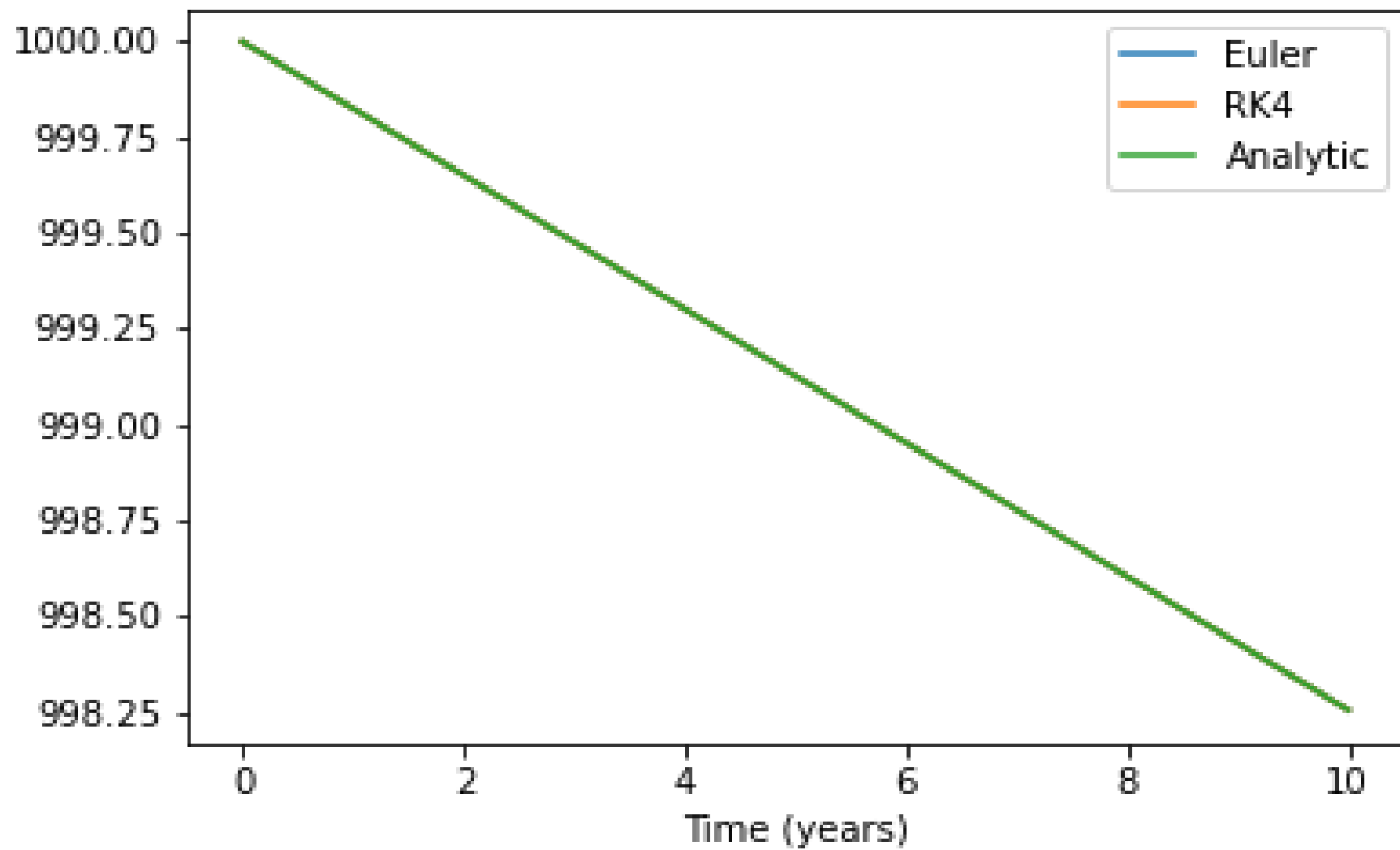
92372

Difference between Analytical and Numerical Derivative

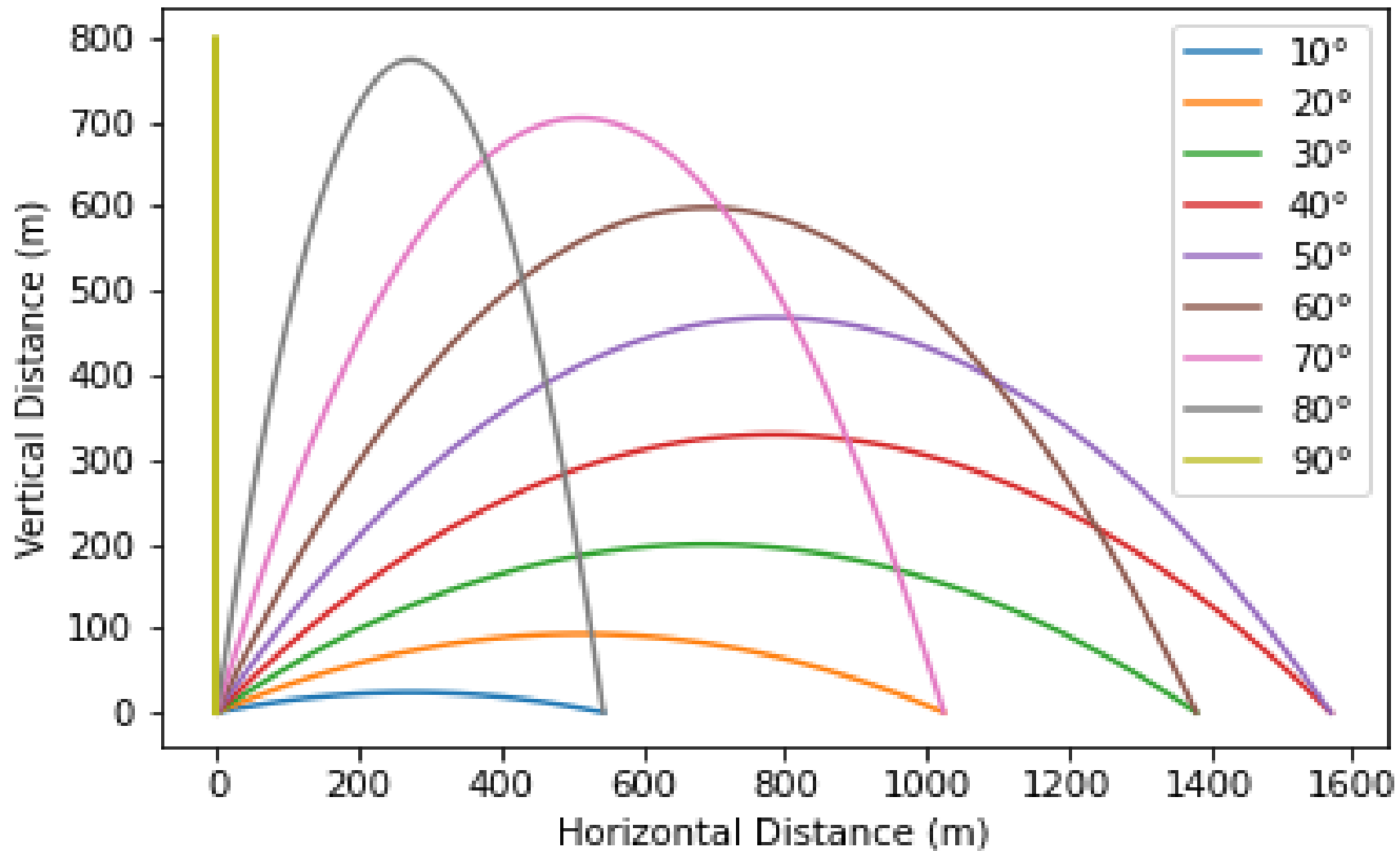


Fractional Error for Numerical Integration using Simpson's Rule

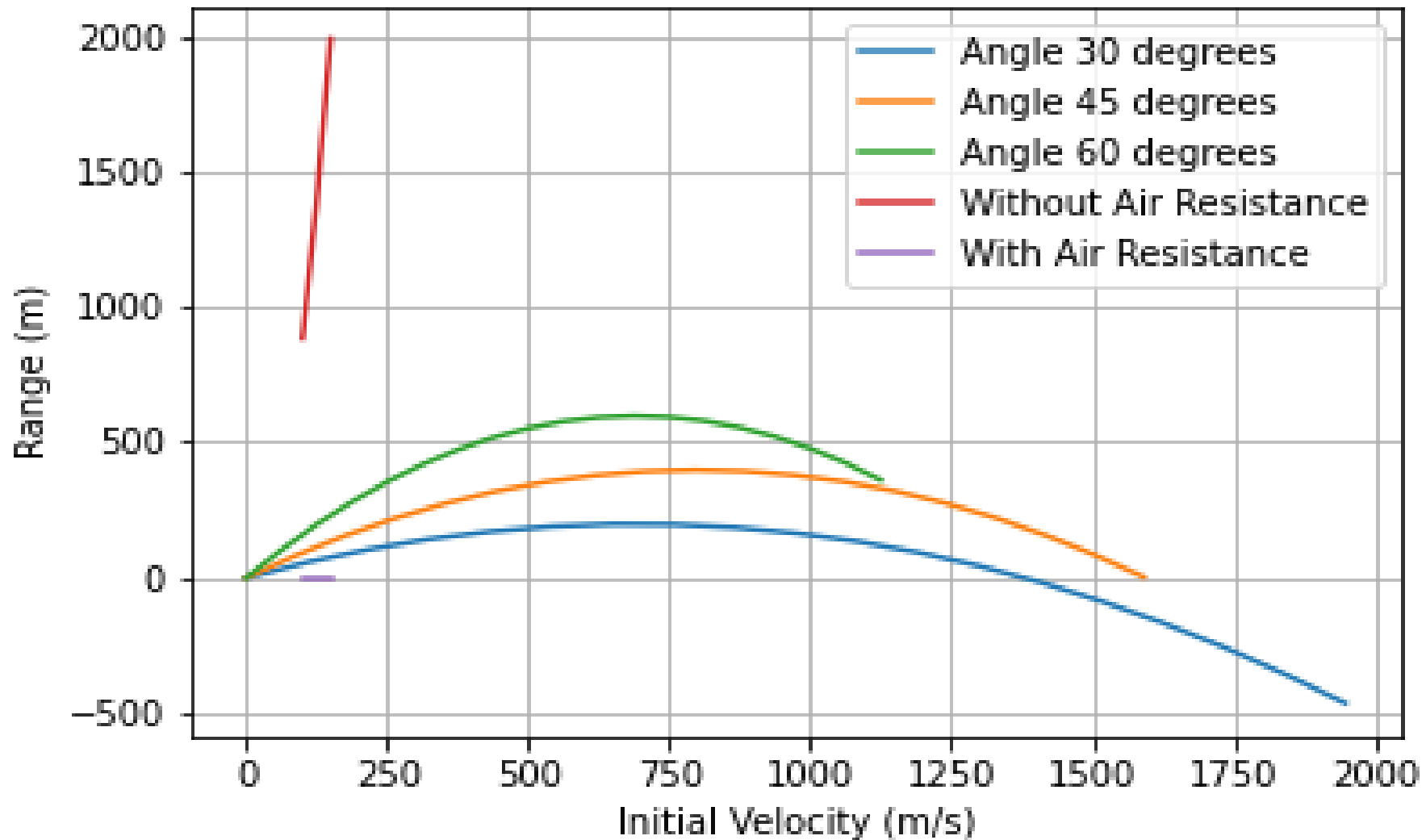




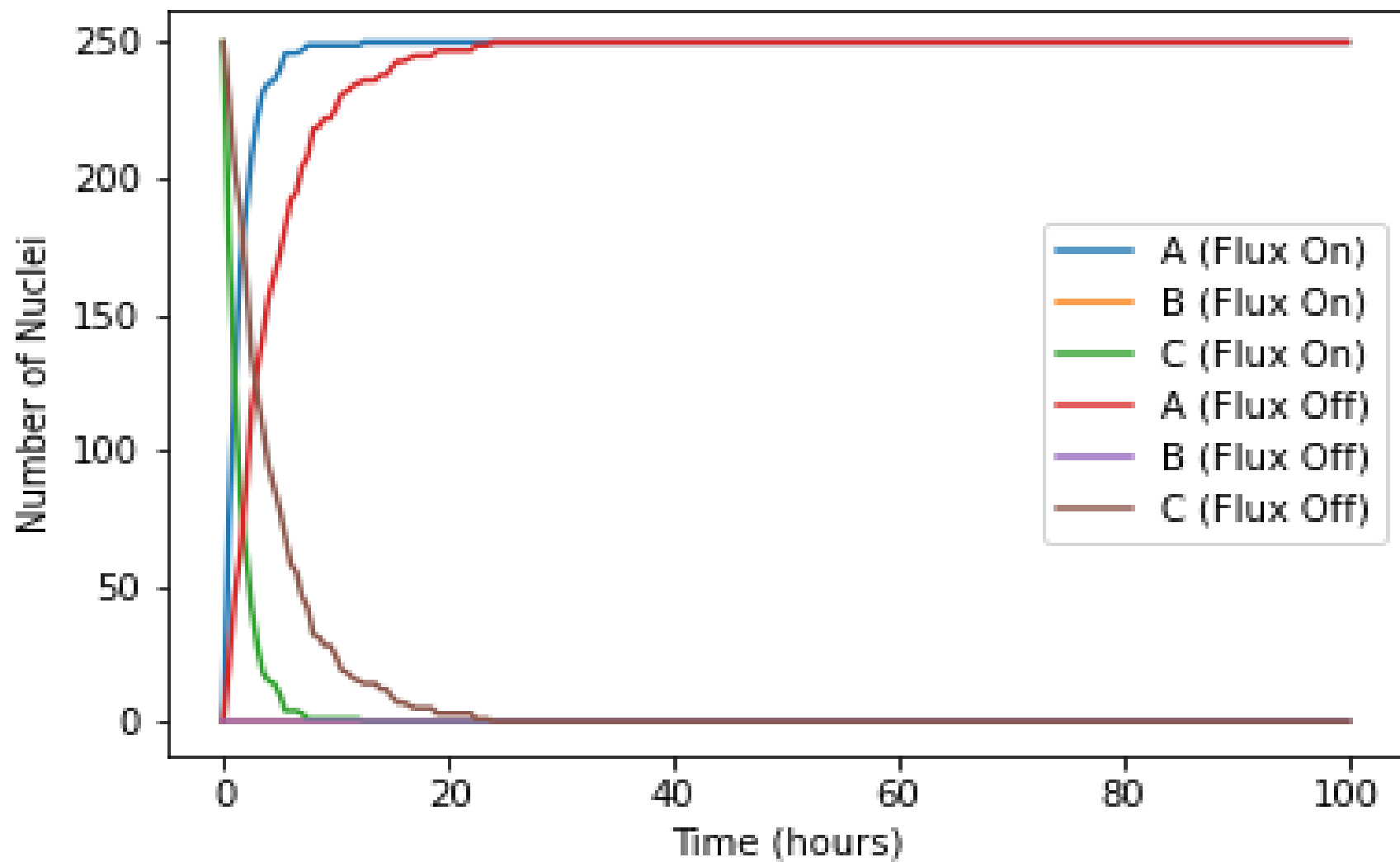
Projectile Motion Trajectories for Different Initial Angles



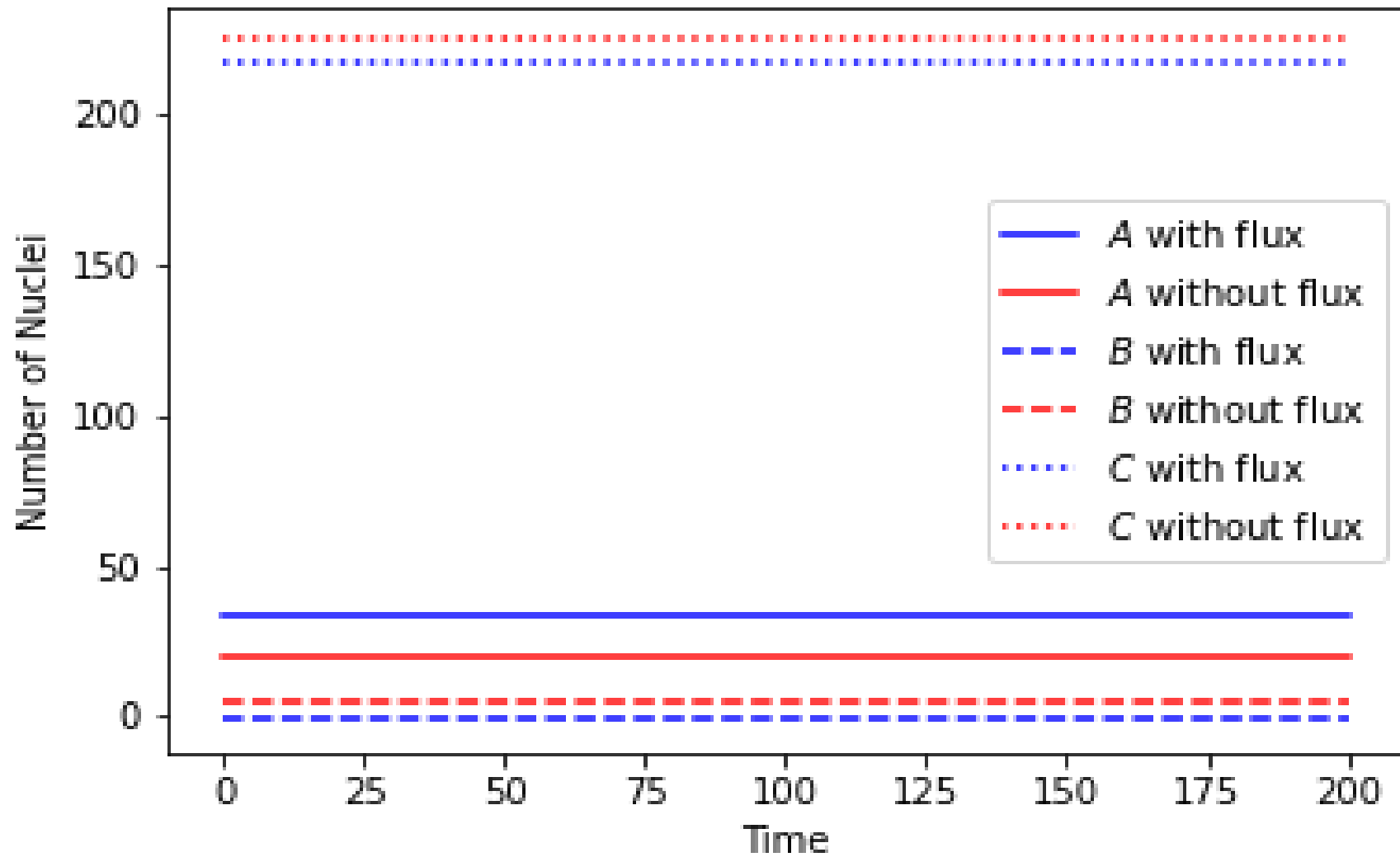
Range of Projectile for Different Velocities



Evolution of Nuclei

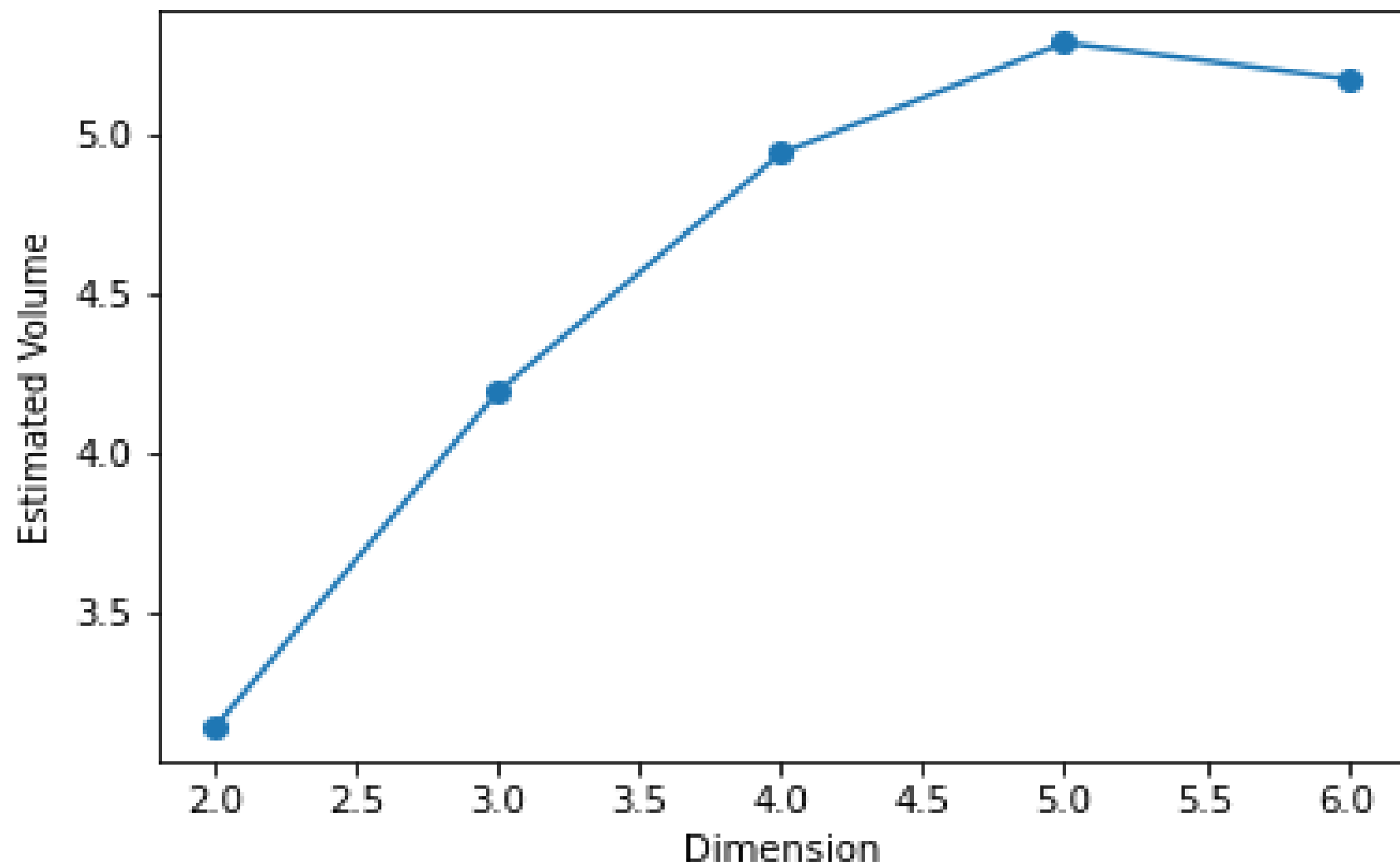


## Nuclei Evolution

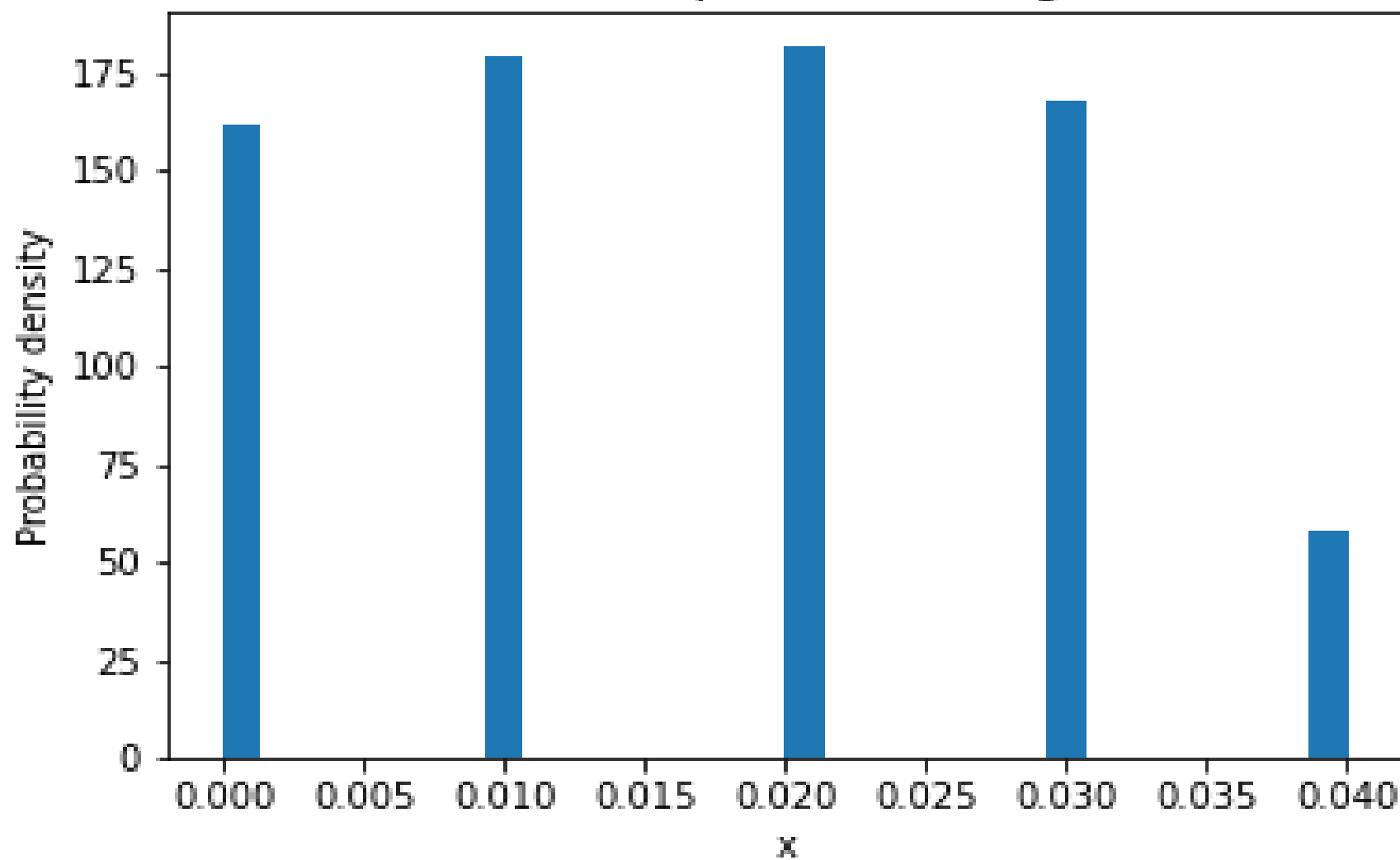




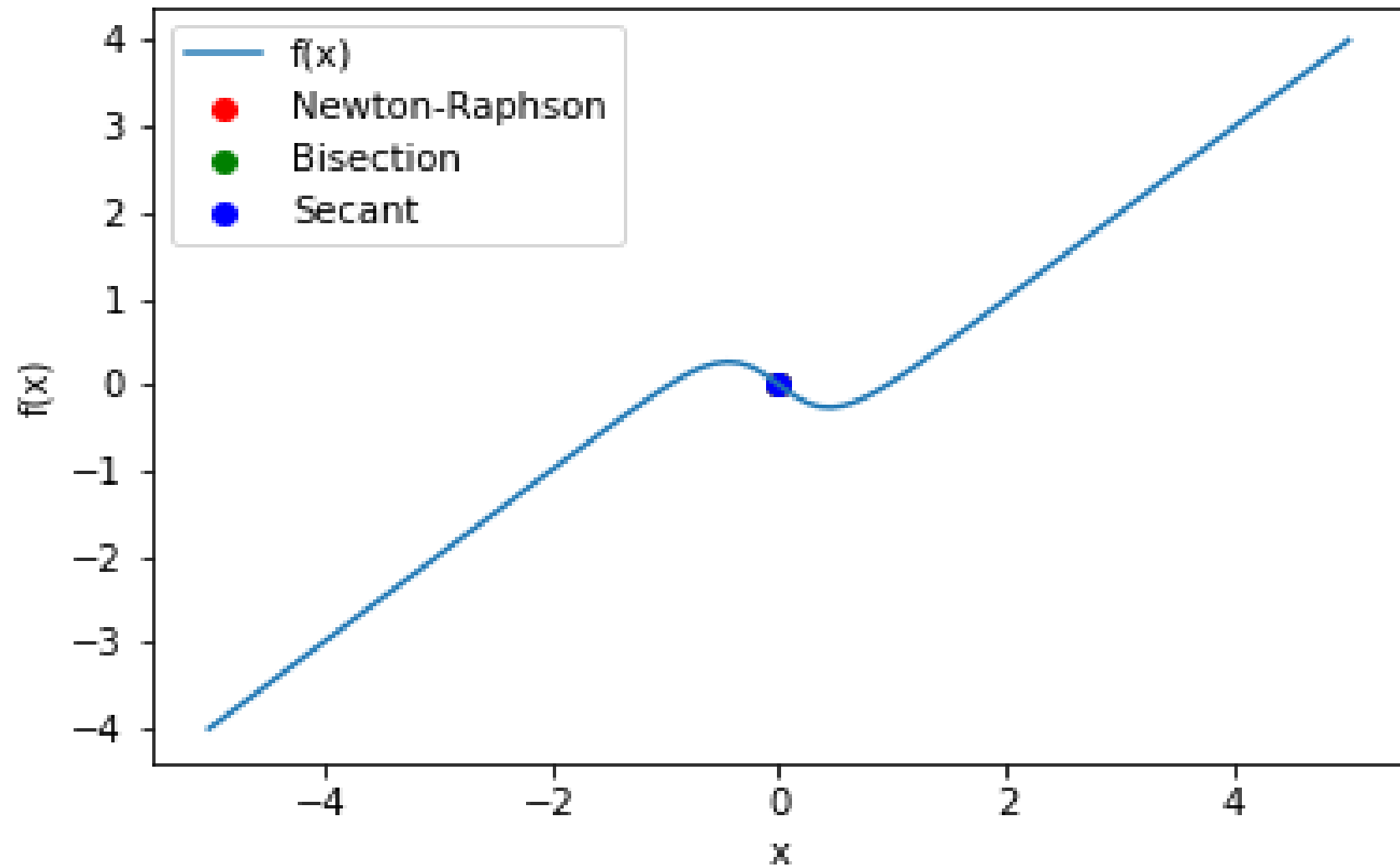
Monte Carlo Estimation of Unit Ball Volume



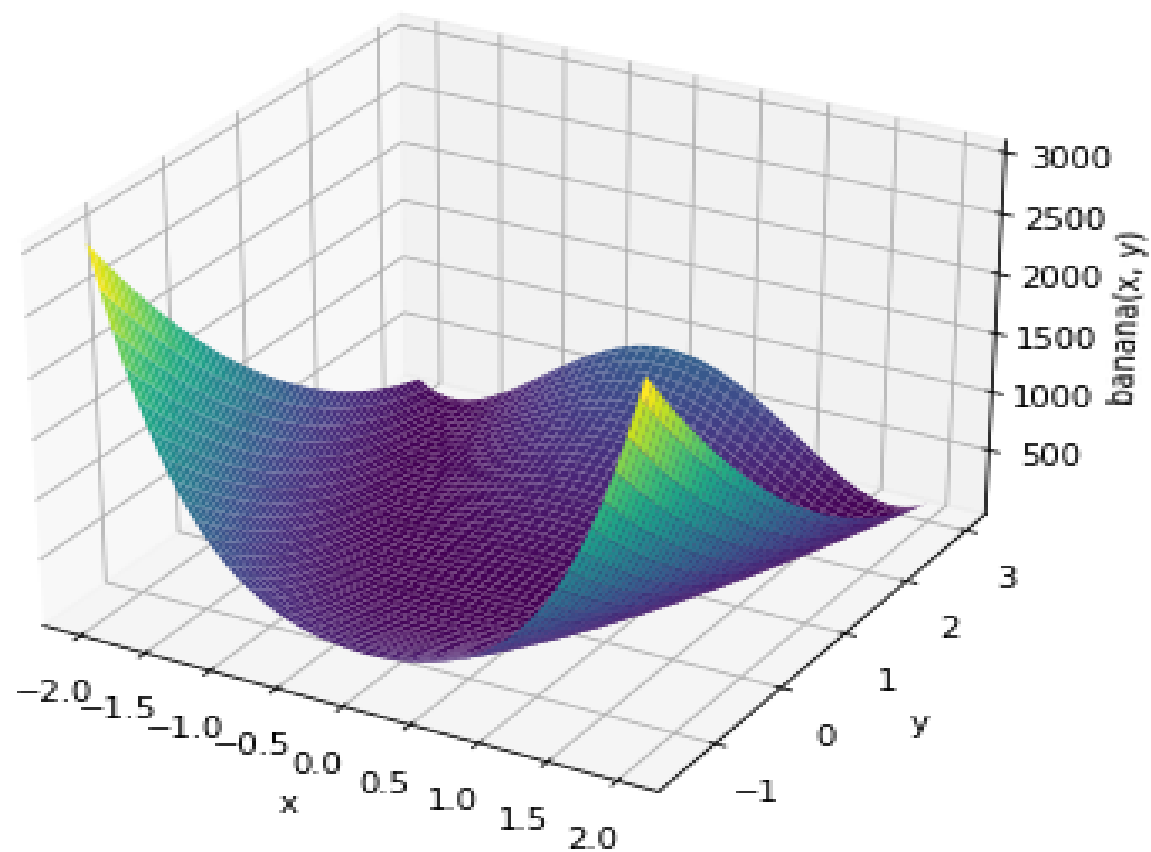
Distribution of points according to  $f(x)$



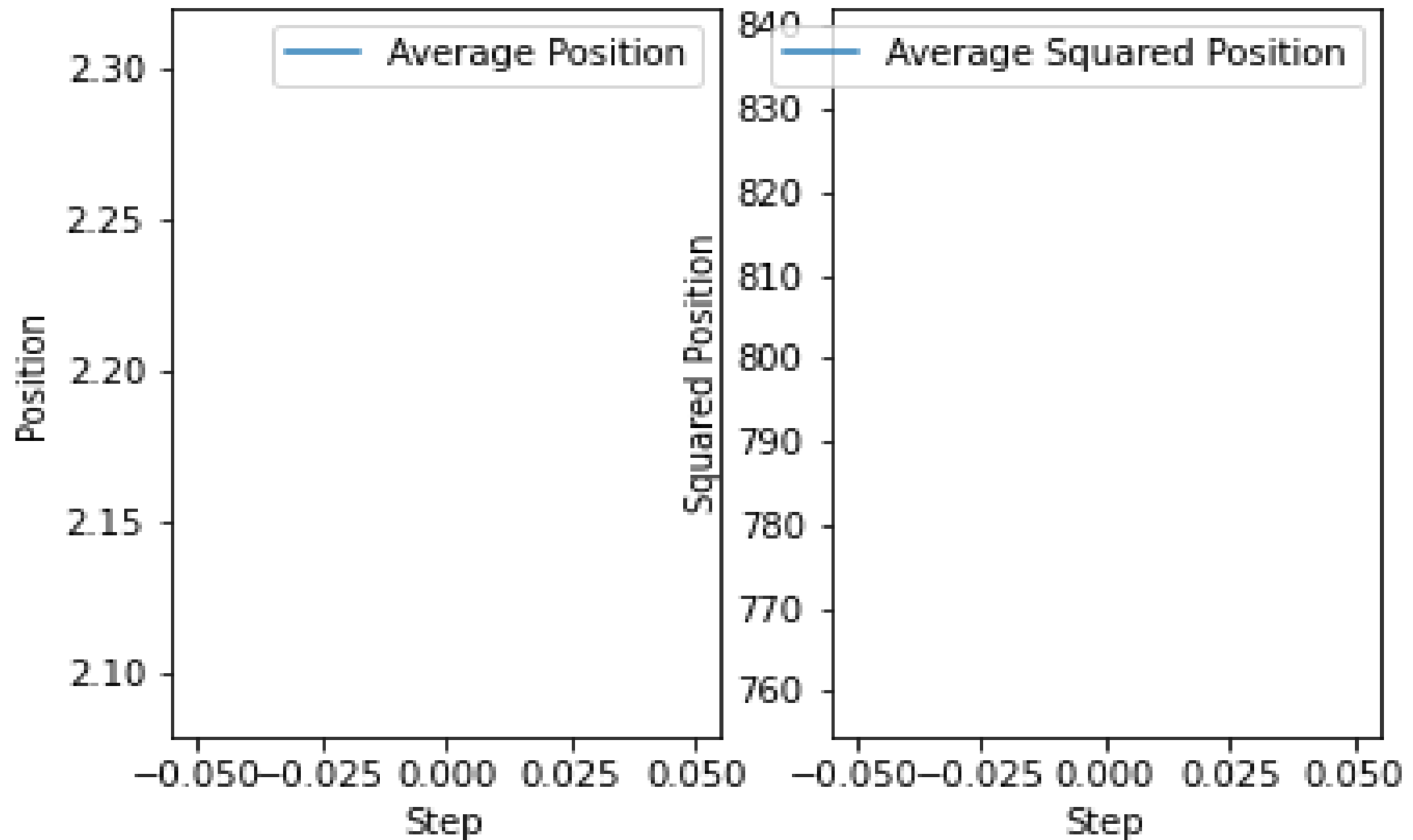
## Convergence of Newton-Raphson, Secant, and Bisection methods



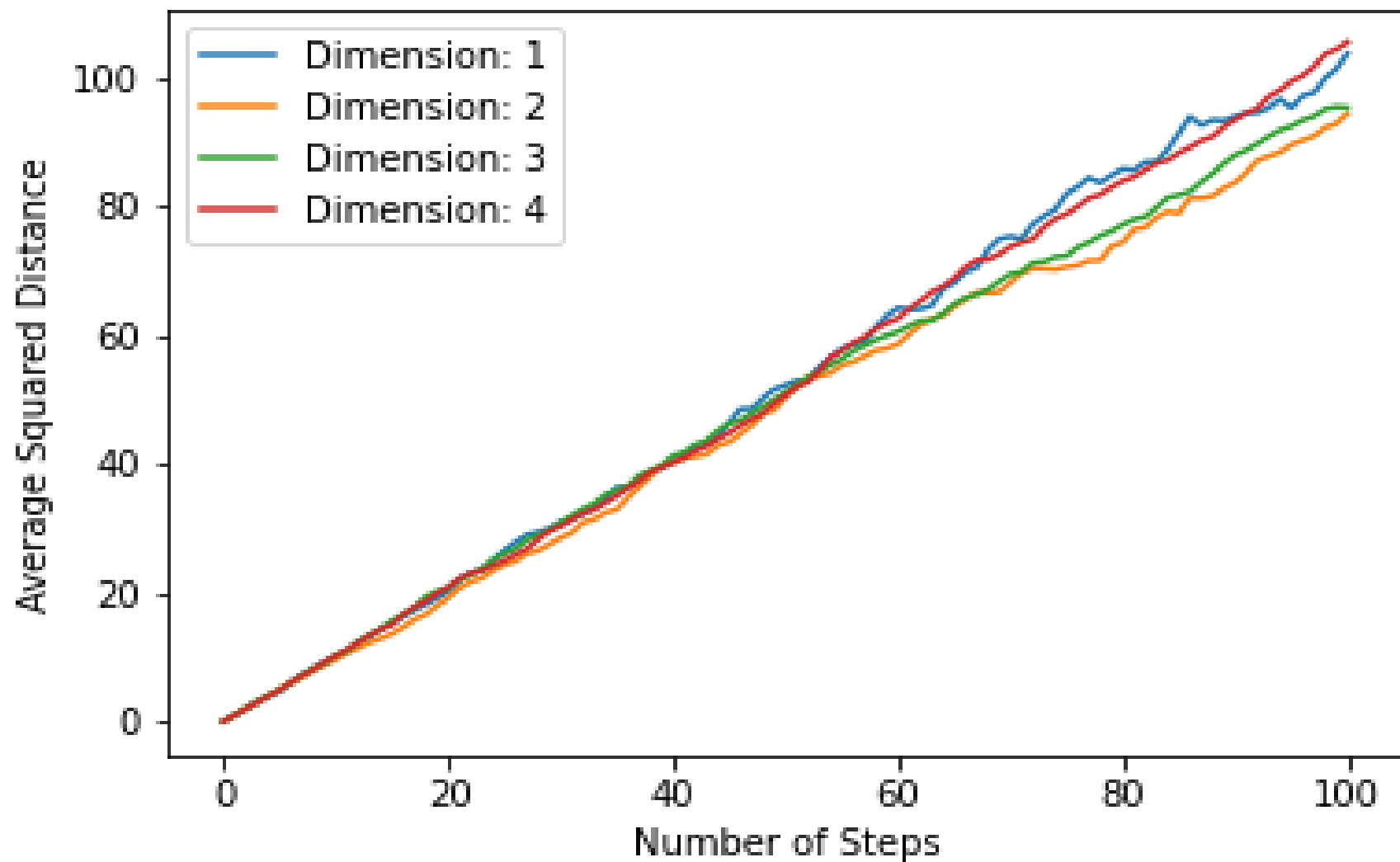
Rosenbrock's Banana Function



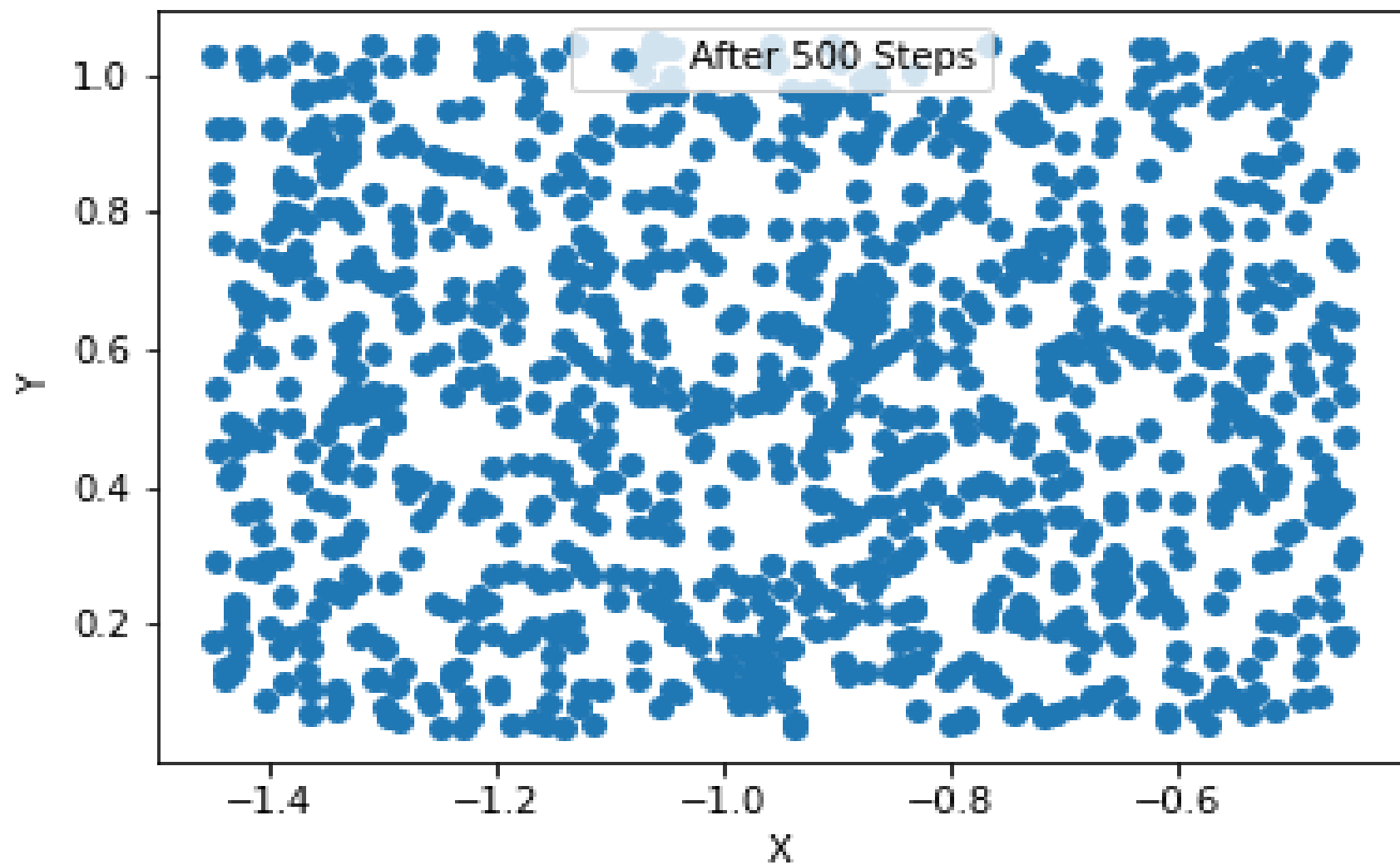
## Average Position and Average Squared Position of 100 1D Walkers



Average Squared Distance Scaling



Diffusion of Particles After 500 Steps



AI?