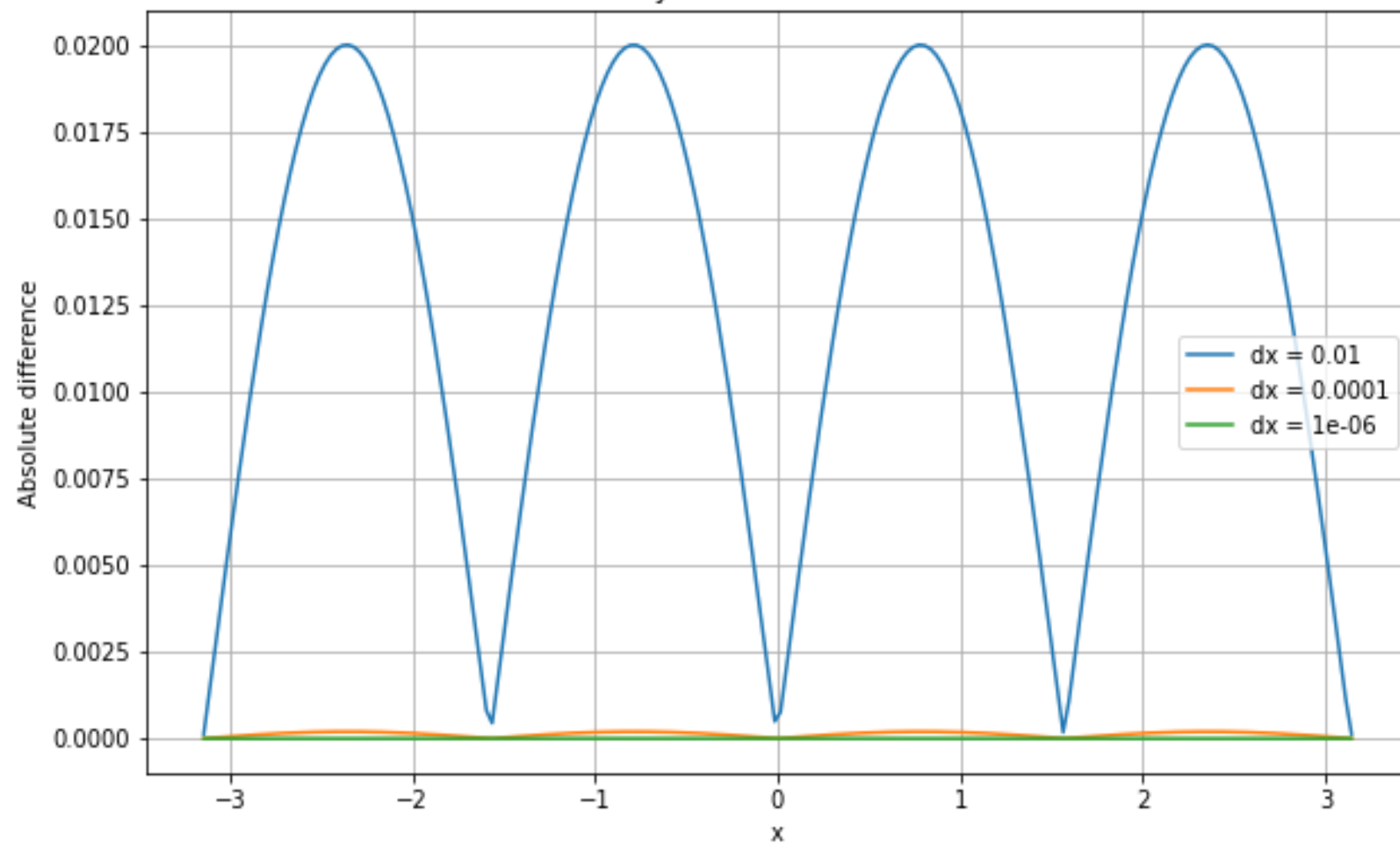
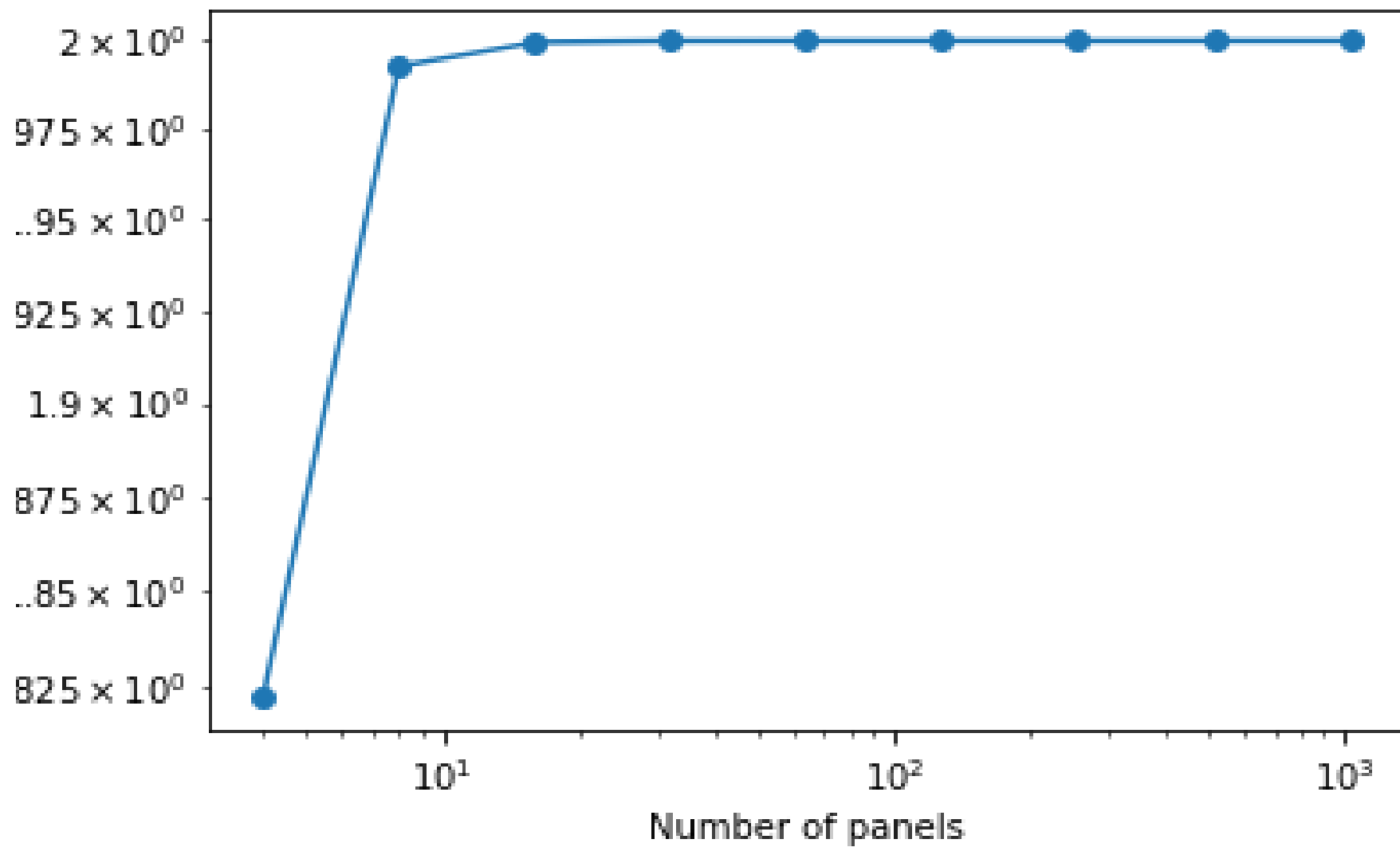


53002

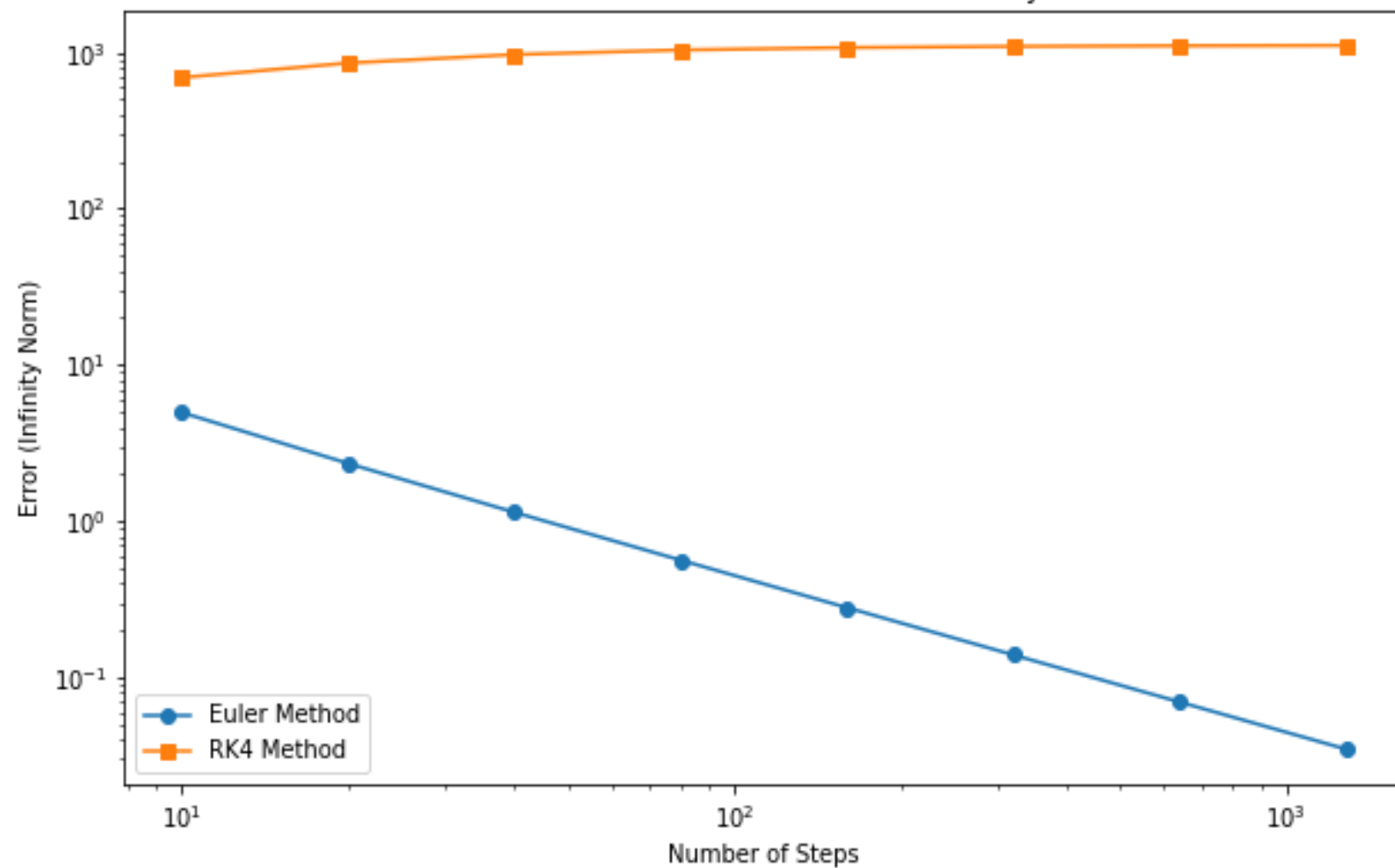
Difference between Analytical and Numerical Derivatives of  $\sin(2x)$



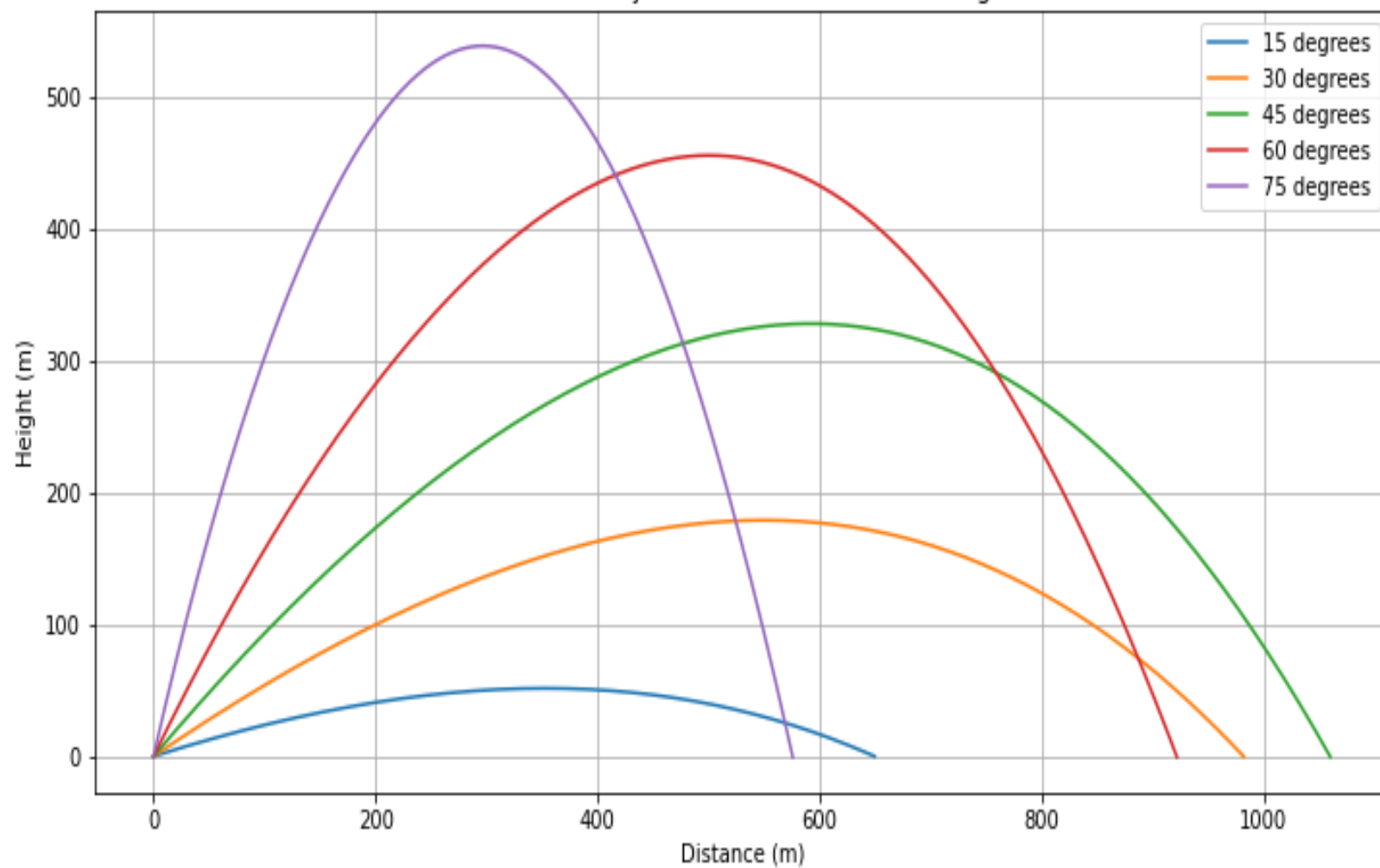
Fractional error in numerical integration using Simpson's rule



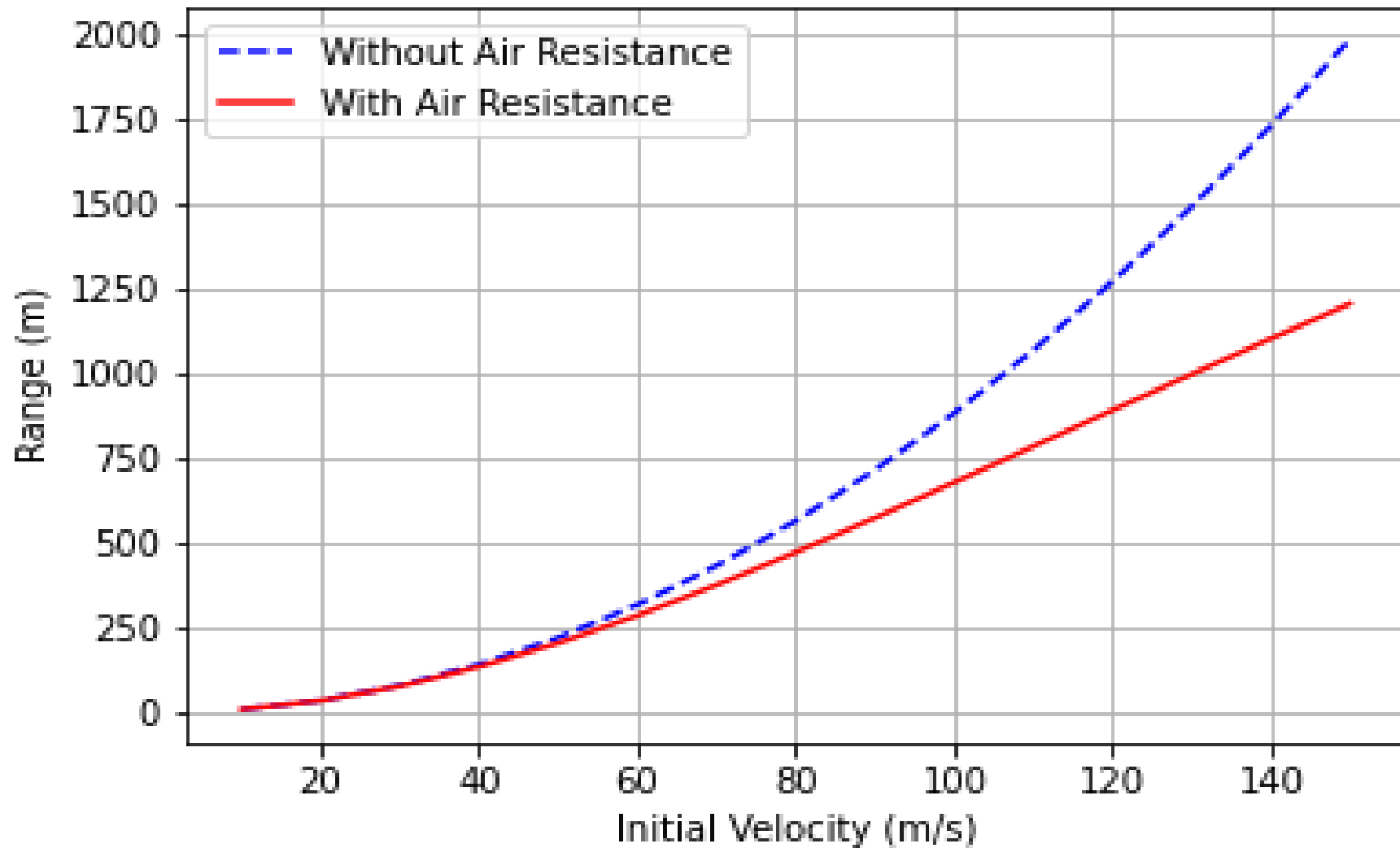
Error in Euler and RK4 Methods for Radioactive Decay of Carbon-14



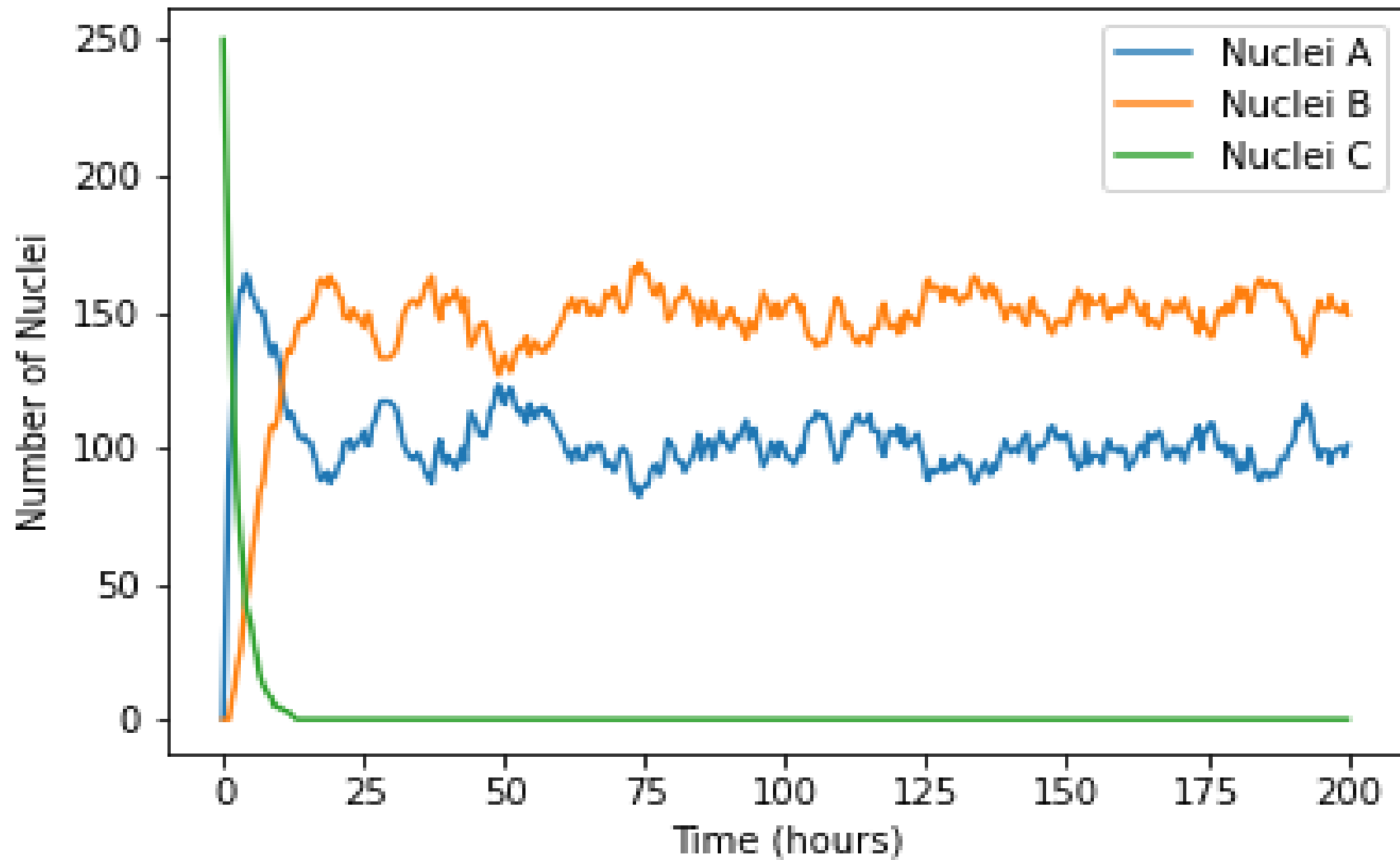
Cannonball Trajectories for Various Initial Angles



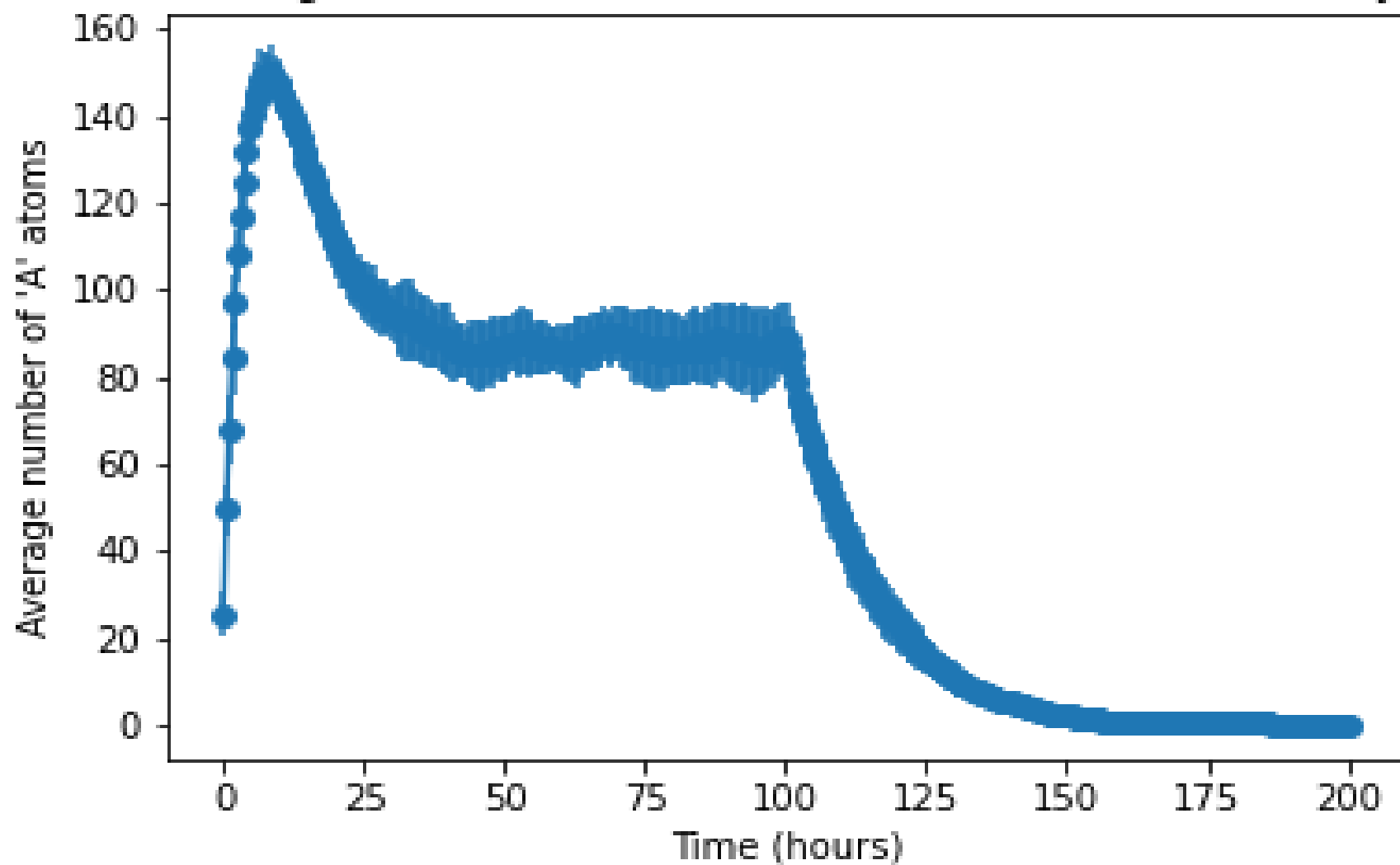
Effect of Initial Velocity on Range of a Projectile



Nuclei Decay and Activation

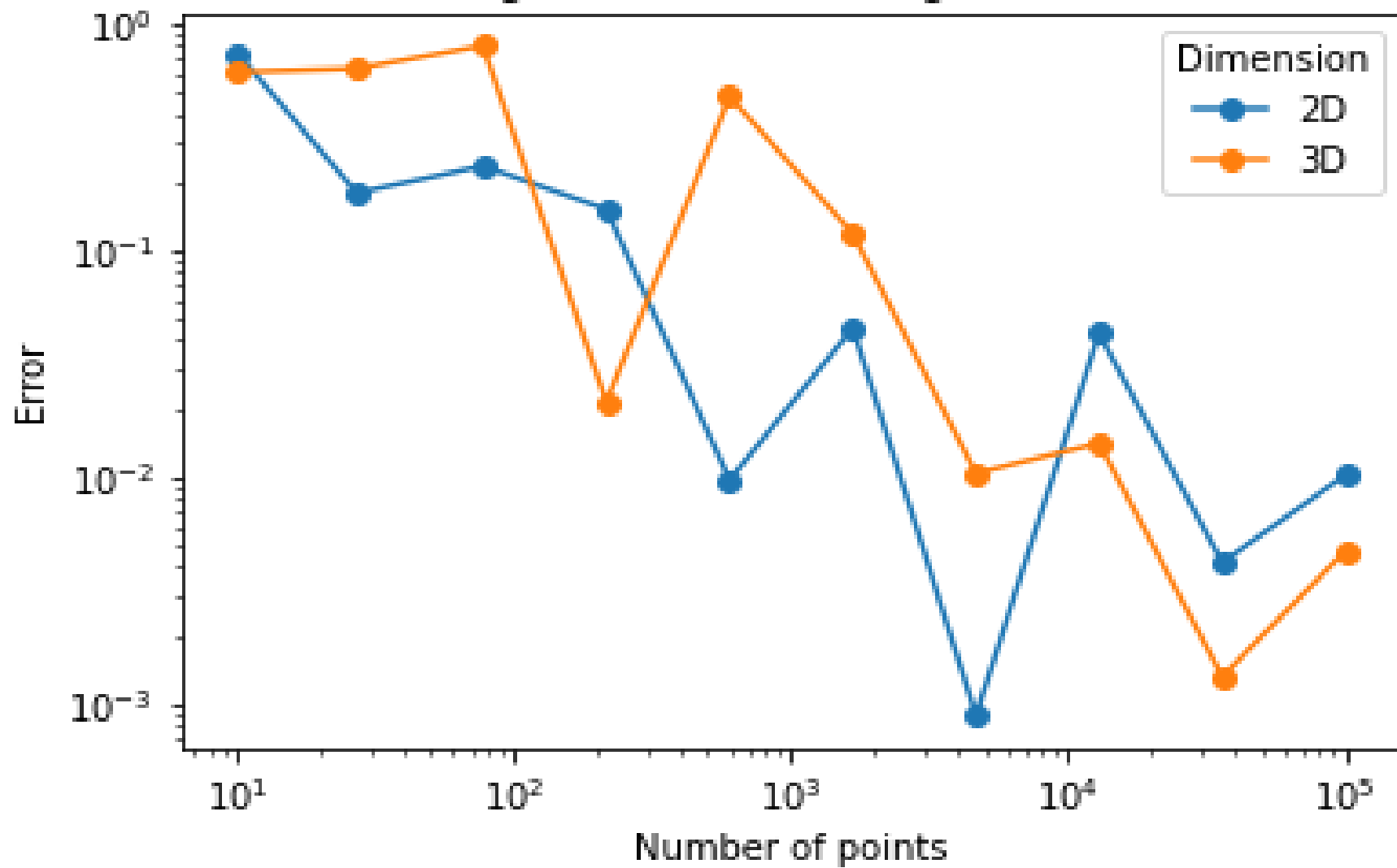


Average number of 'A' atoms vs. Time with Uncertainty

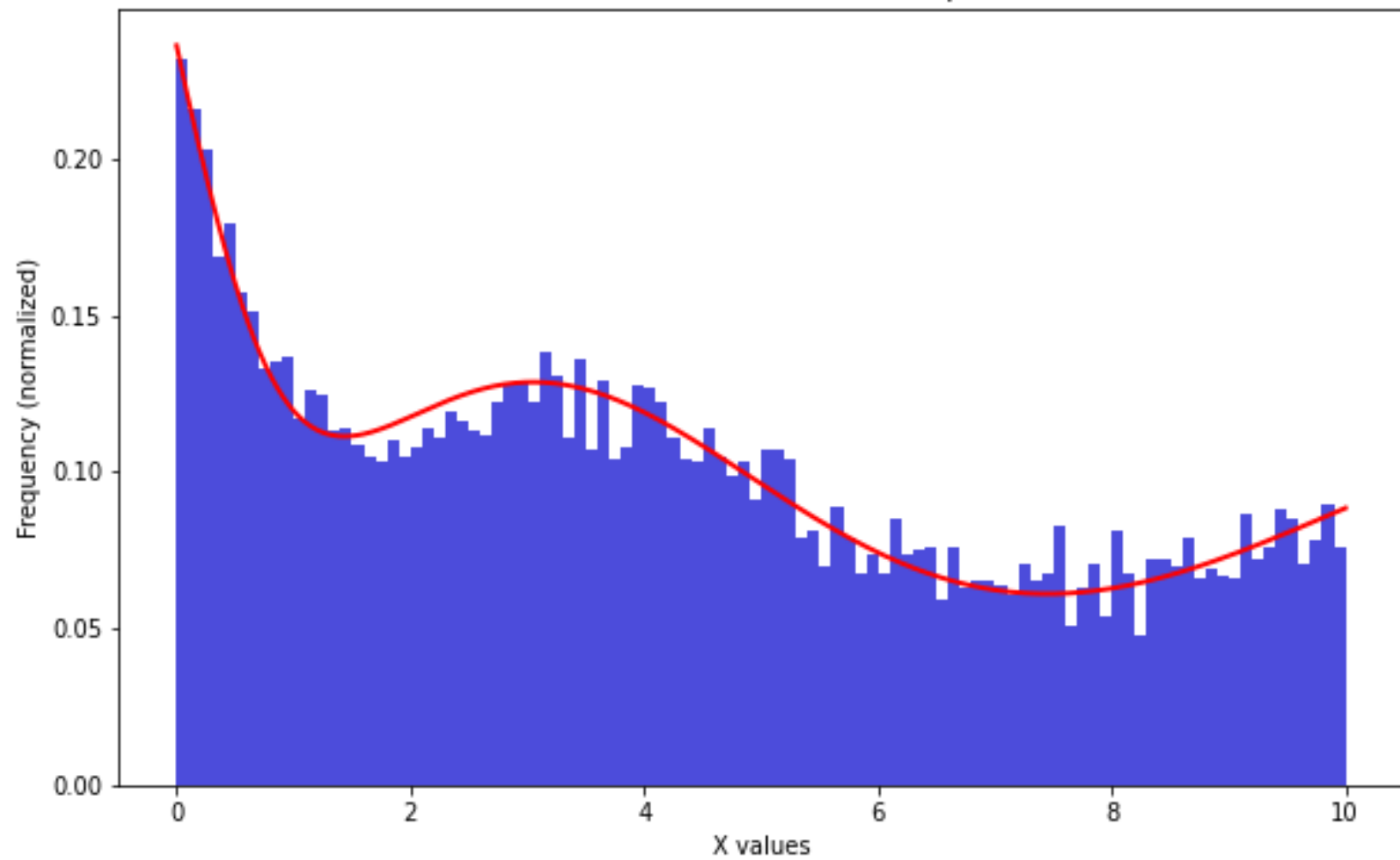




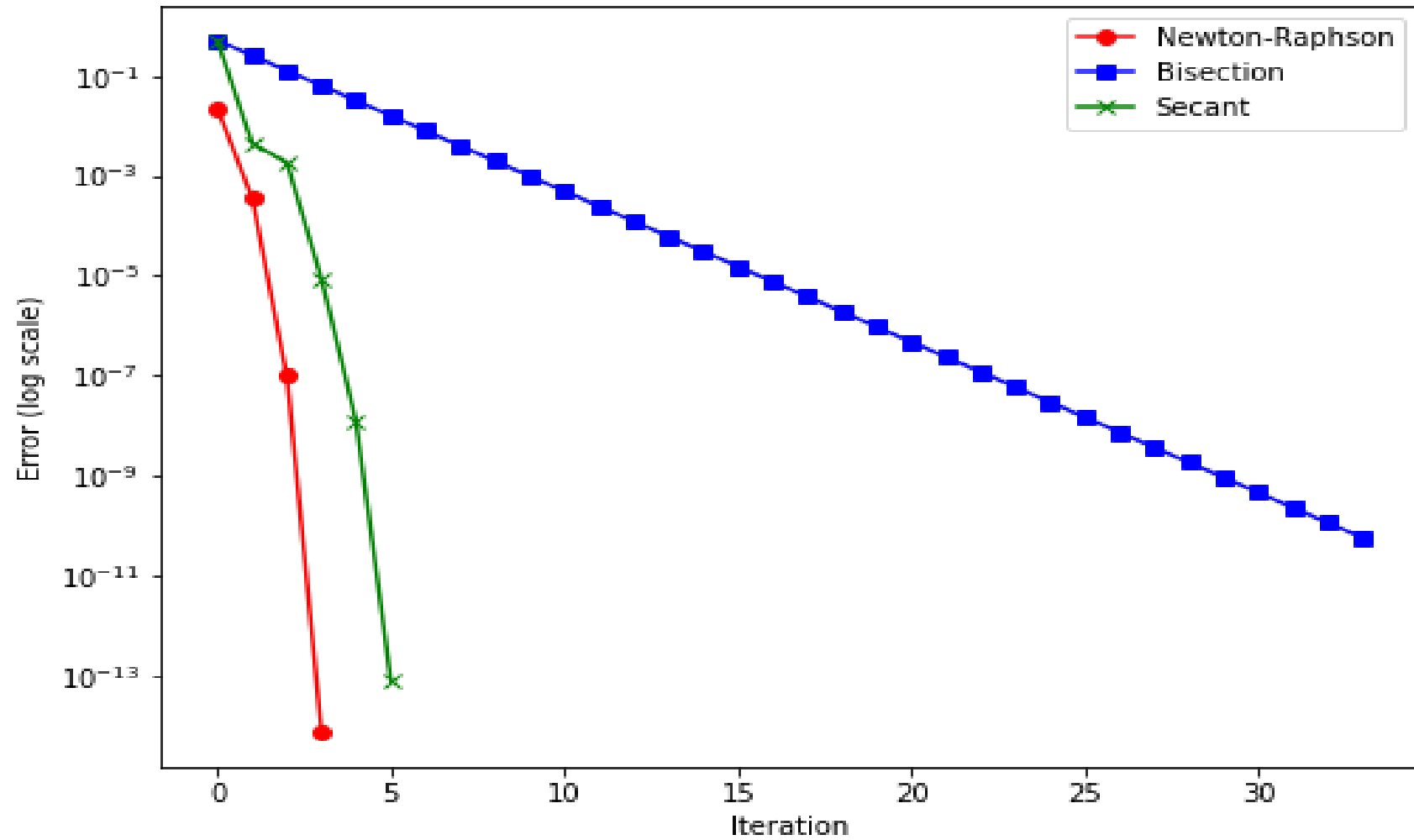
Monte Carlo Integration Error Scaling with Number of Points



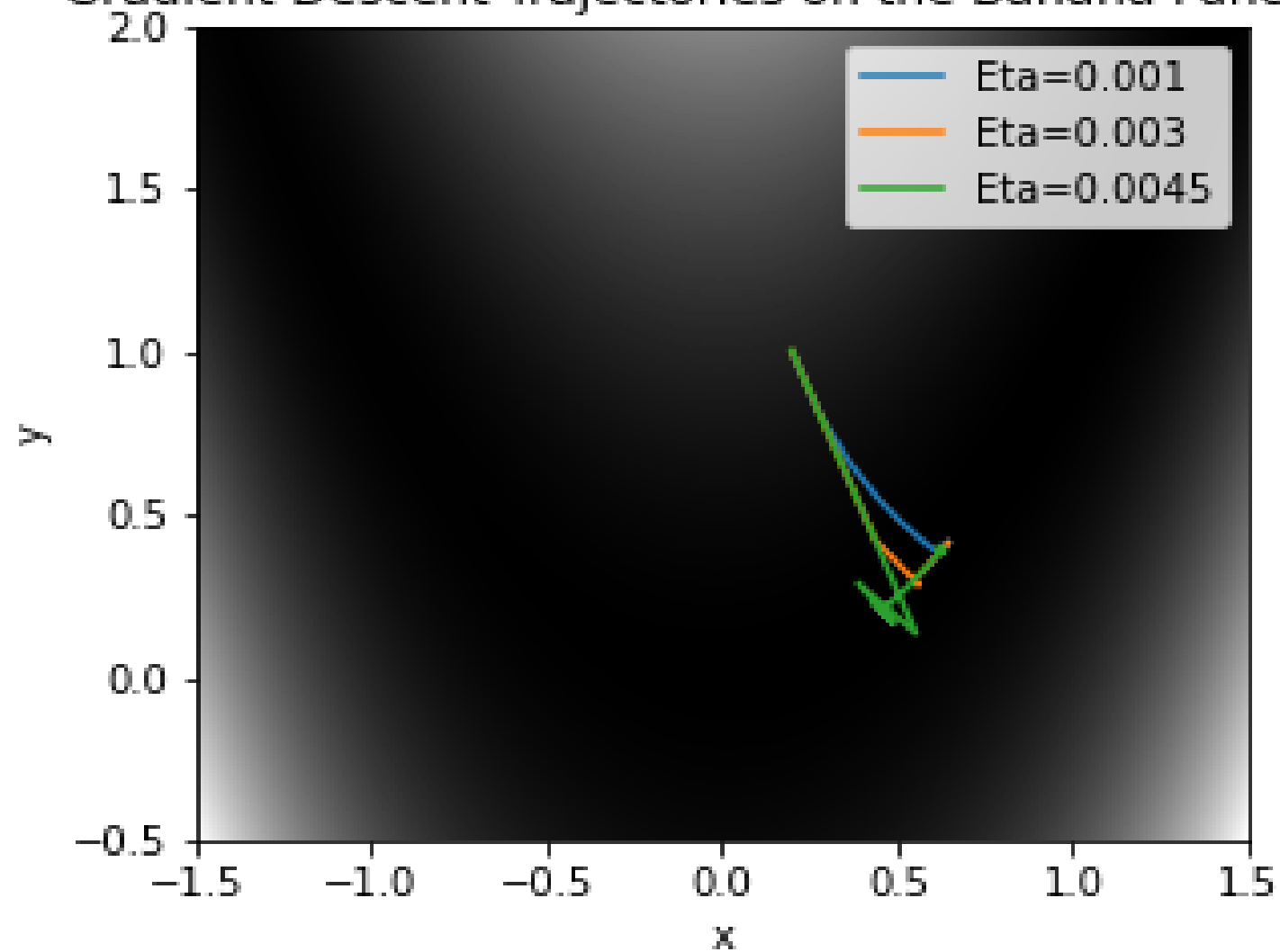
Distribution of Generated Samples



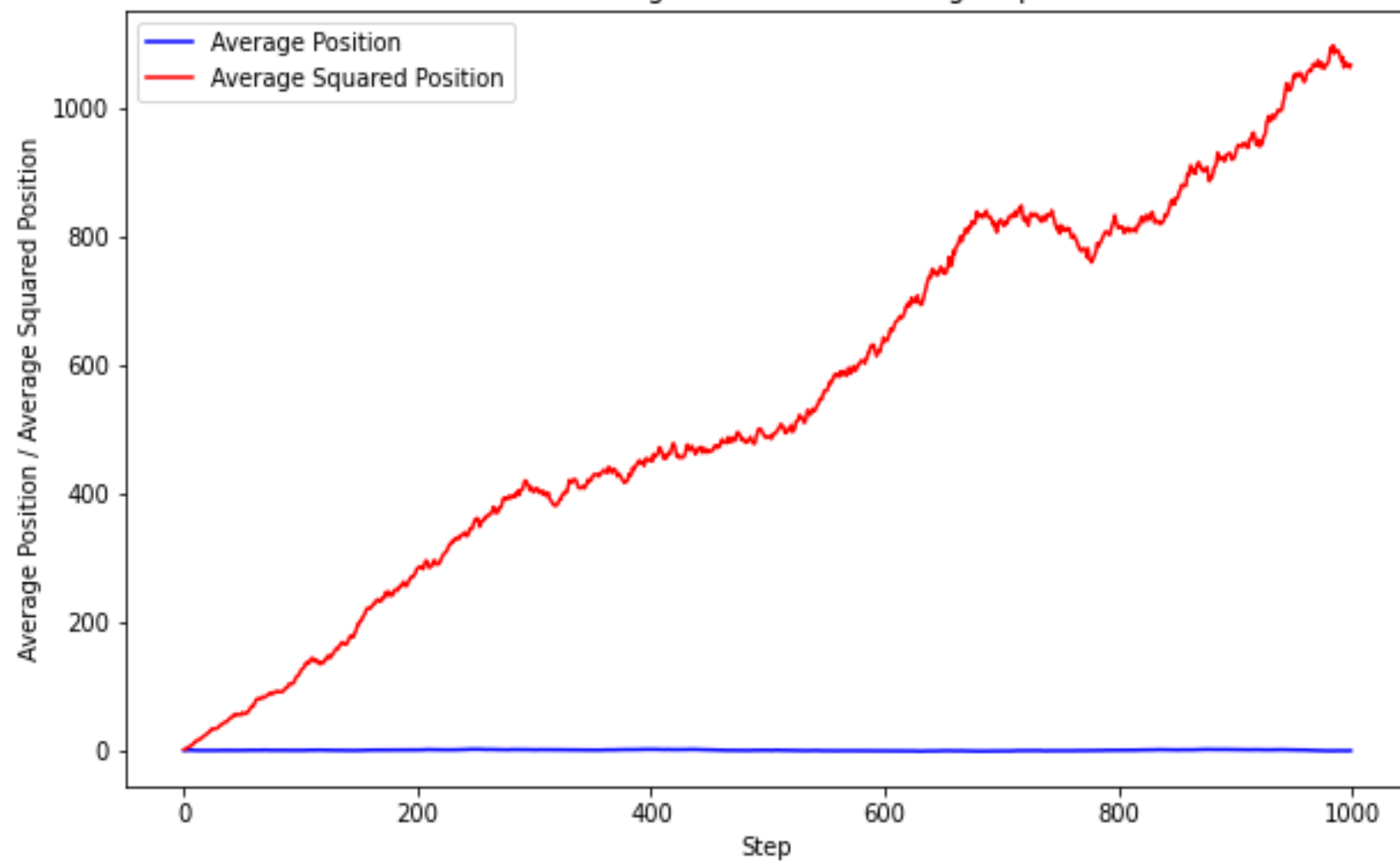
Convergence of Root-Finding Methods



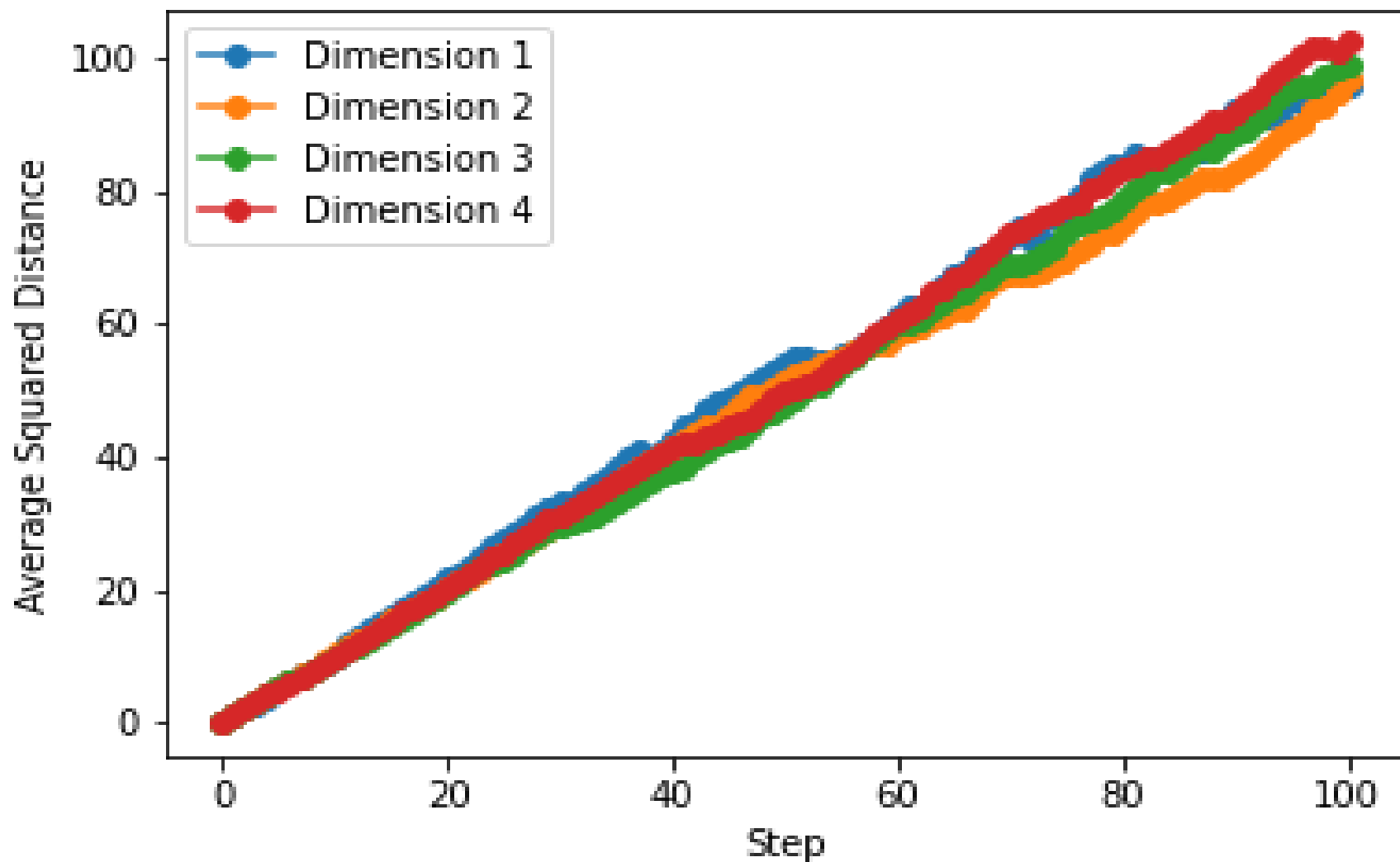
Gradient Descent Trajectories on the Banana Function



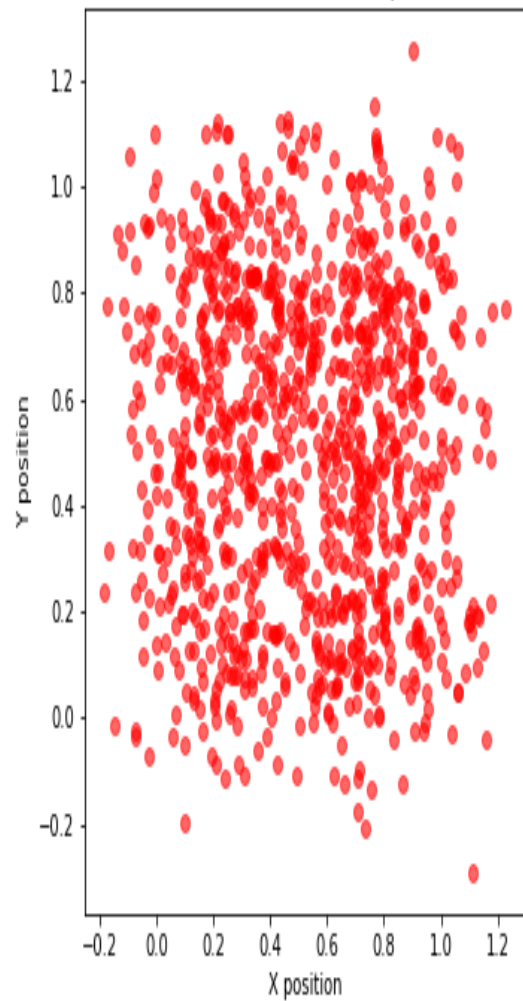
1D Random Walk: Average Position and Average Squared Position



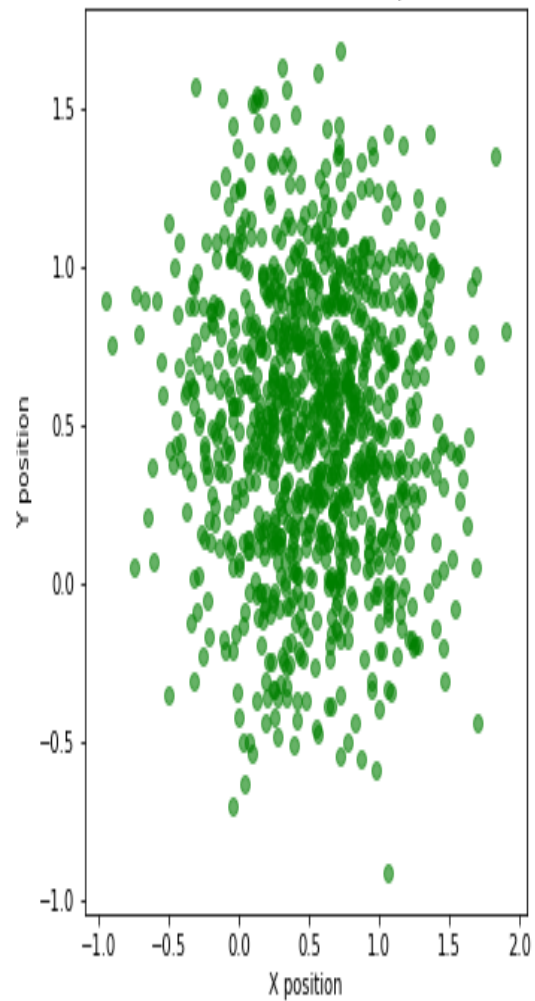
Average Squared Distance of Walkers in Different Dimensions



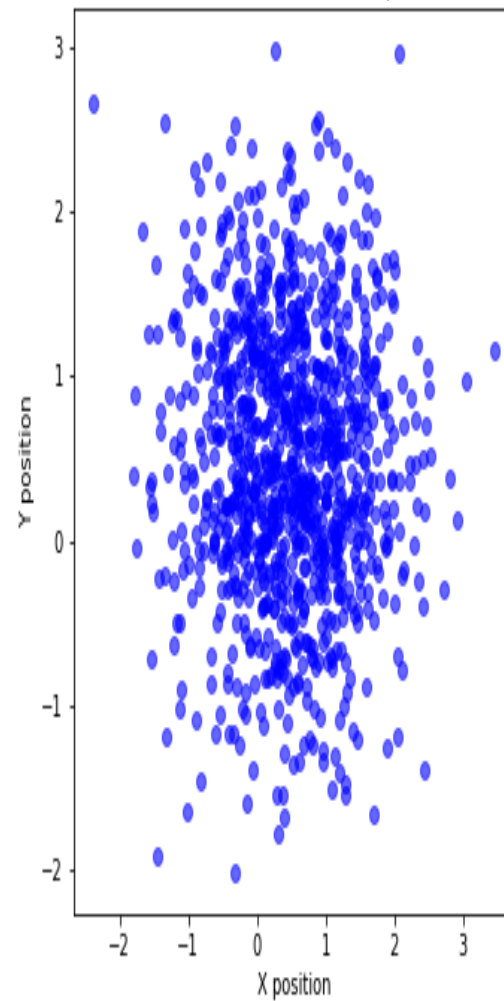
Positions After 10 Steps



Positions After 100 Steps



Positions After 500 Steps



AI?