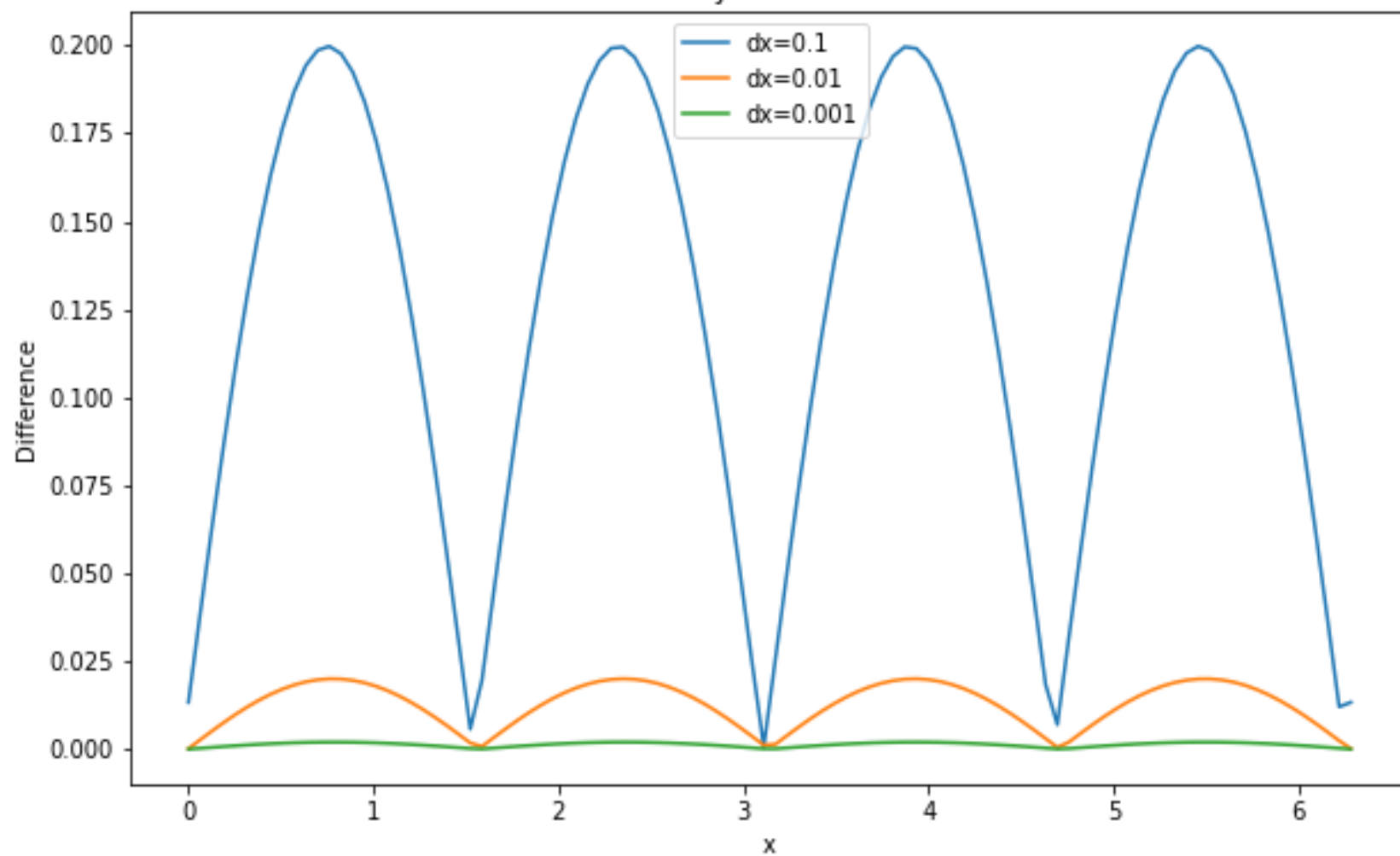
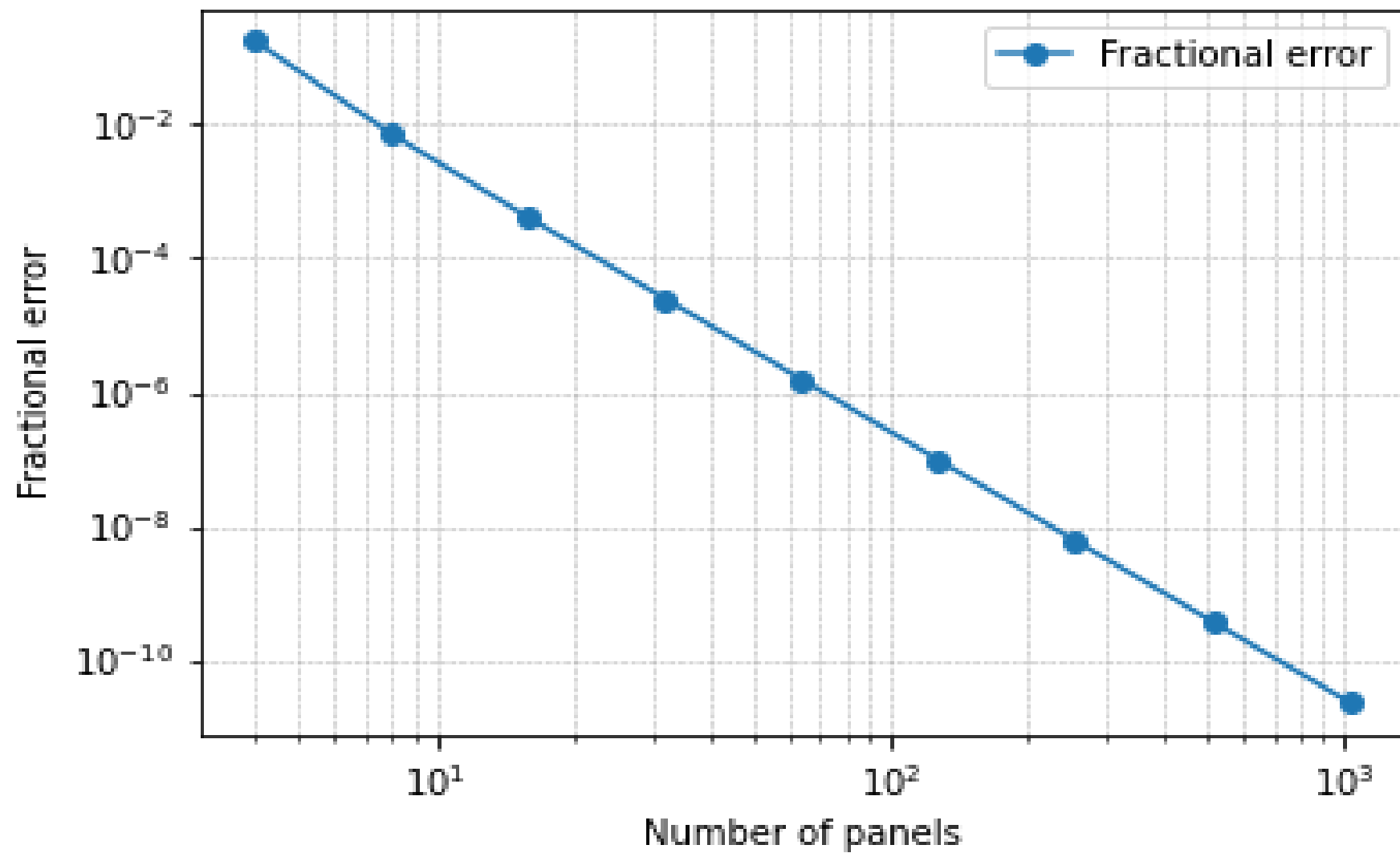


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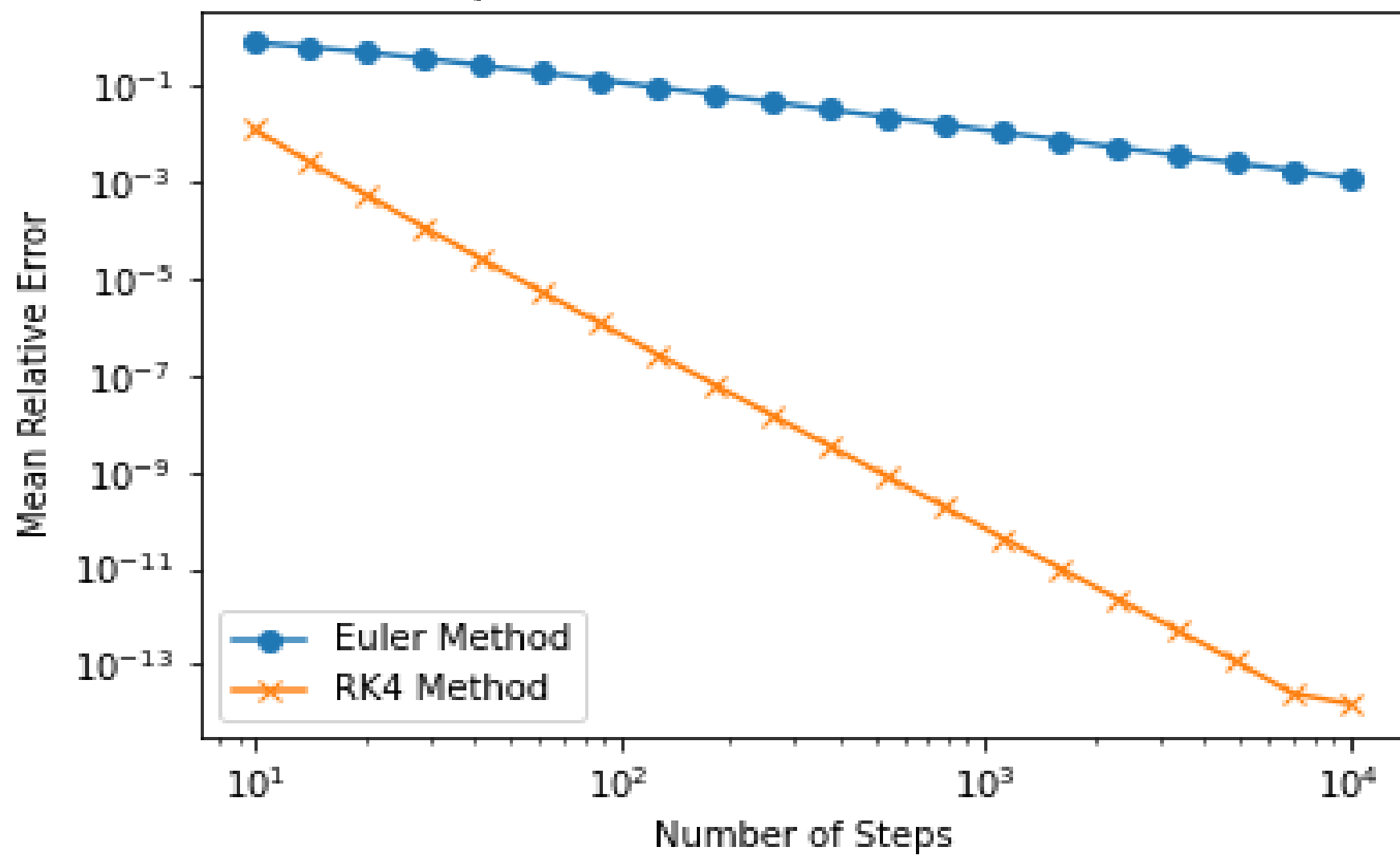
Difference between Analytical and Numerical Derivatives



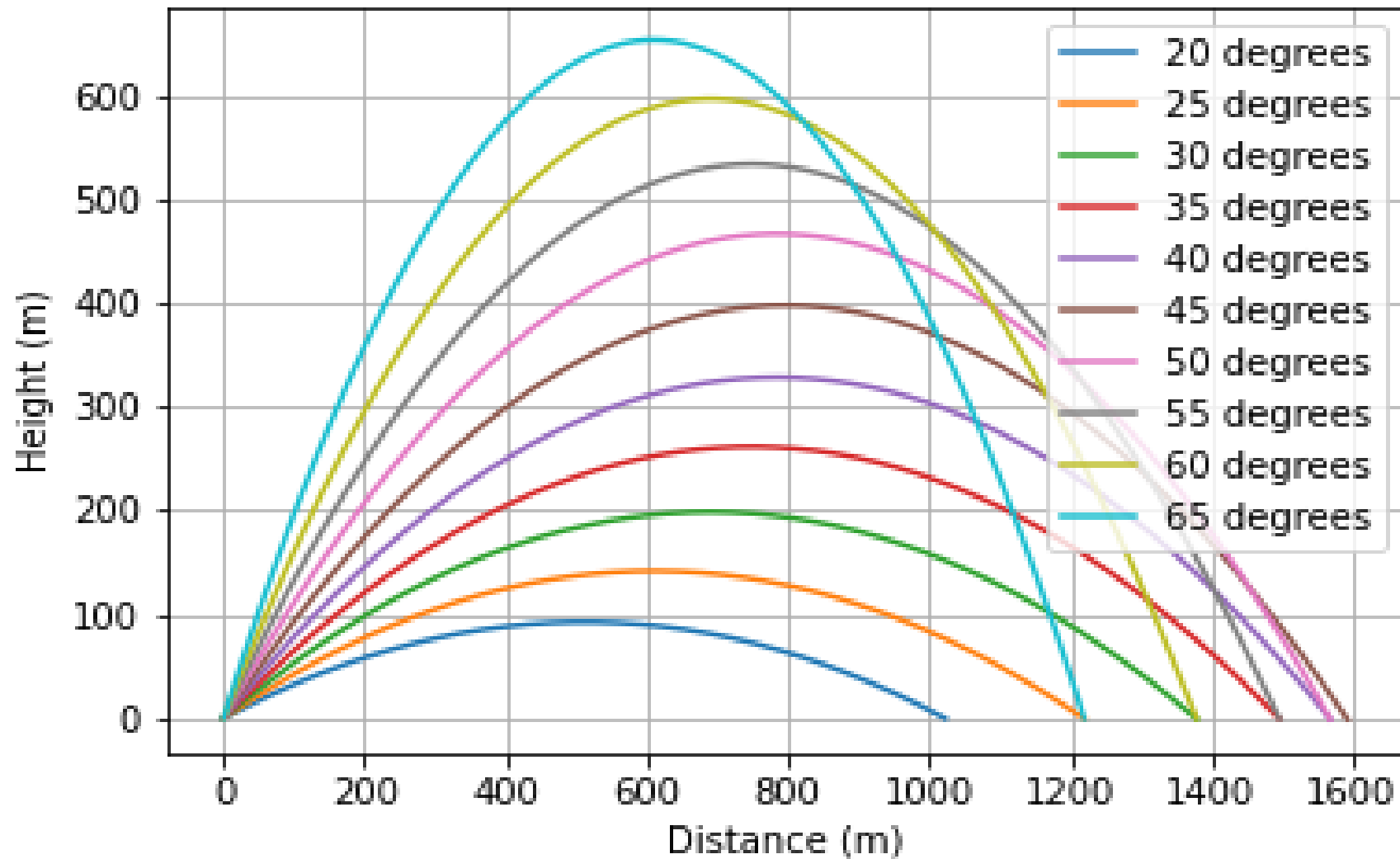
Fractional Error of Numerical Integration Using Simpson's Rule



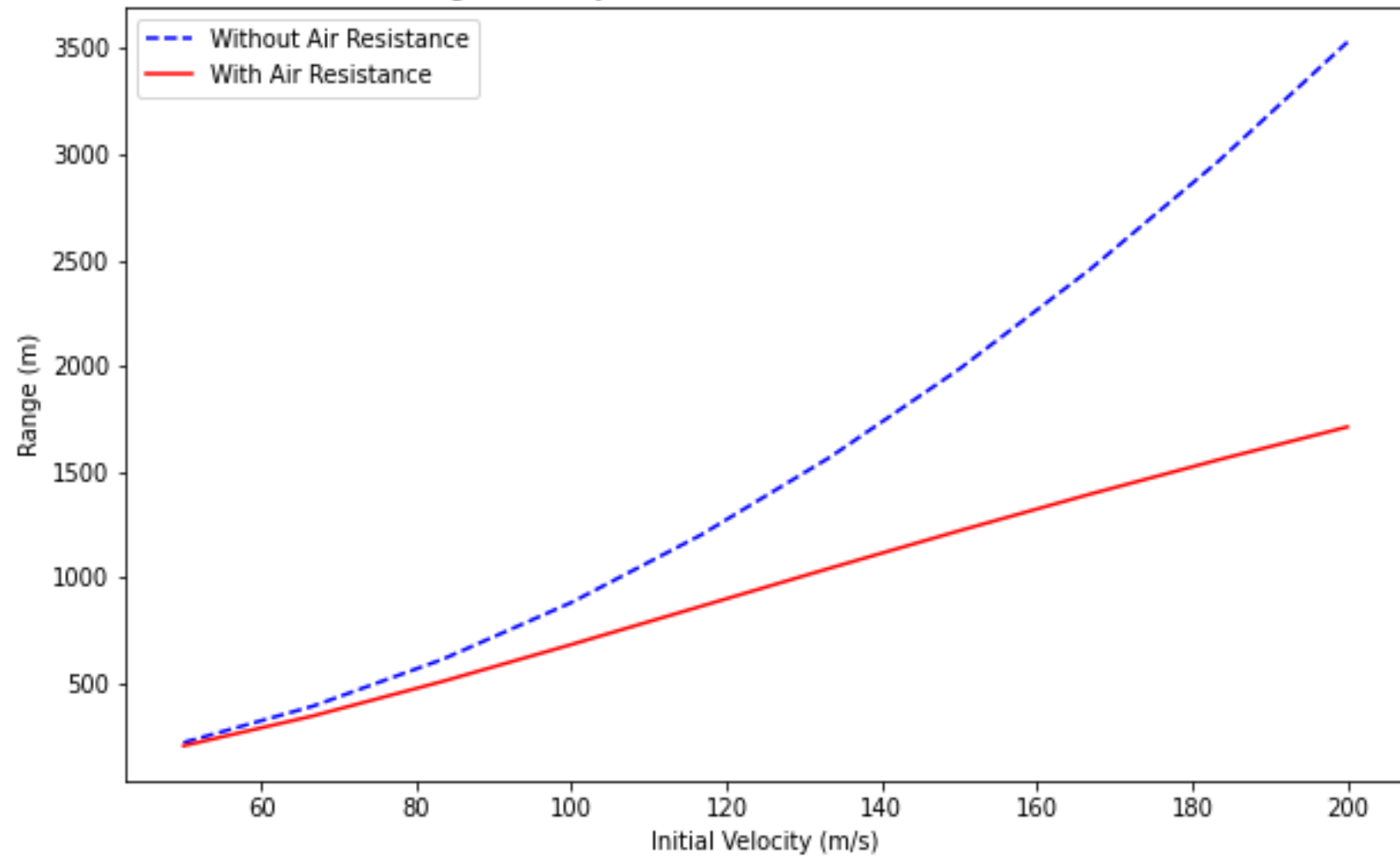
Error Comparison between Euler and RK4 Methods



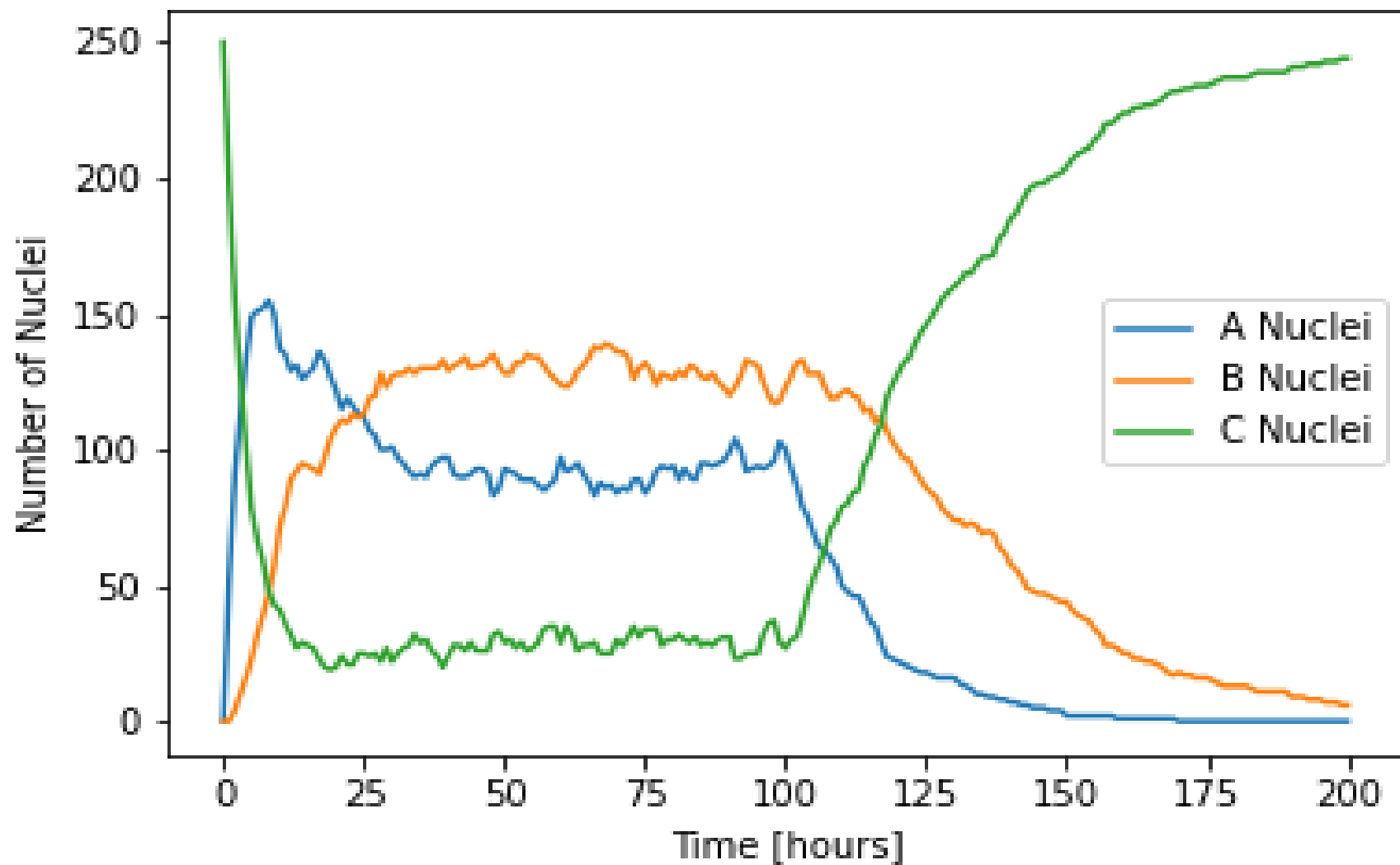
Cannonball Trajectories for Various Initial Angles



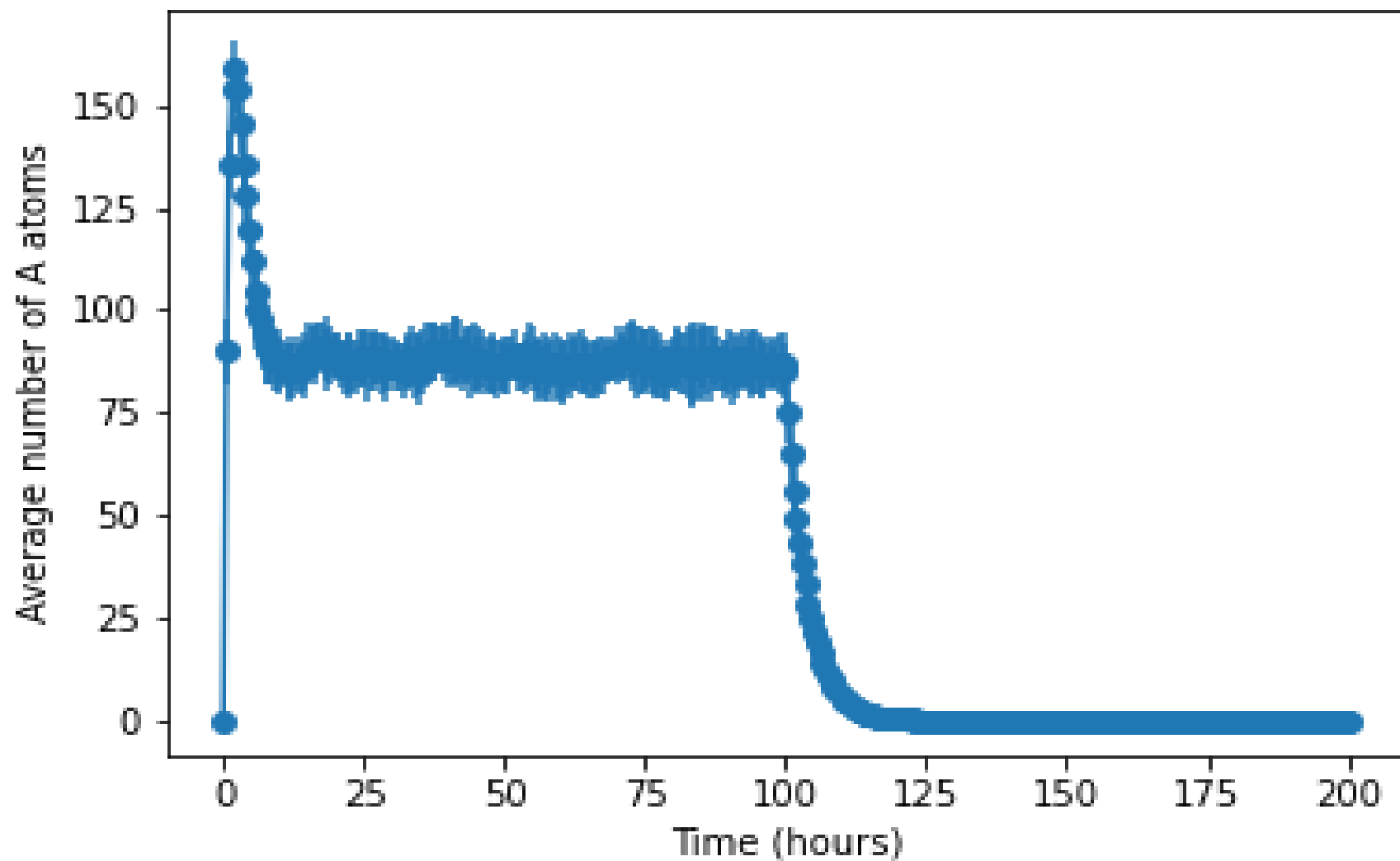
Range of a Projectile With and Without Air Resistance



Nuclear Decay and Activation over Time

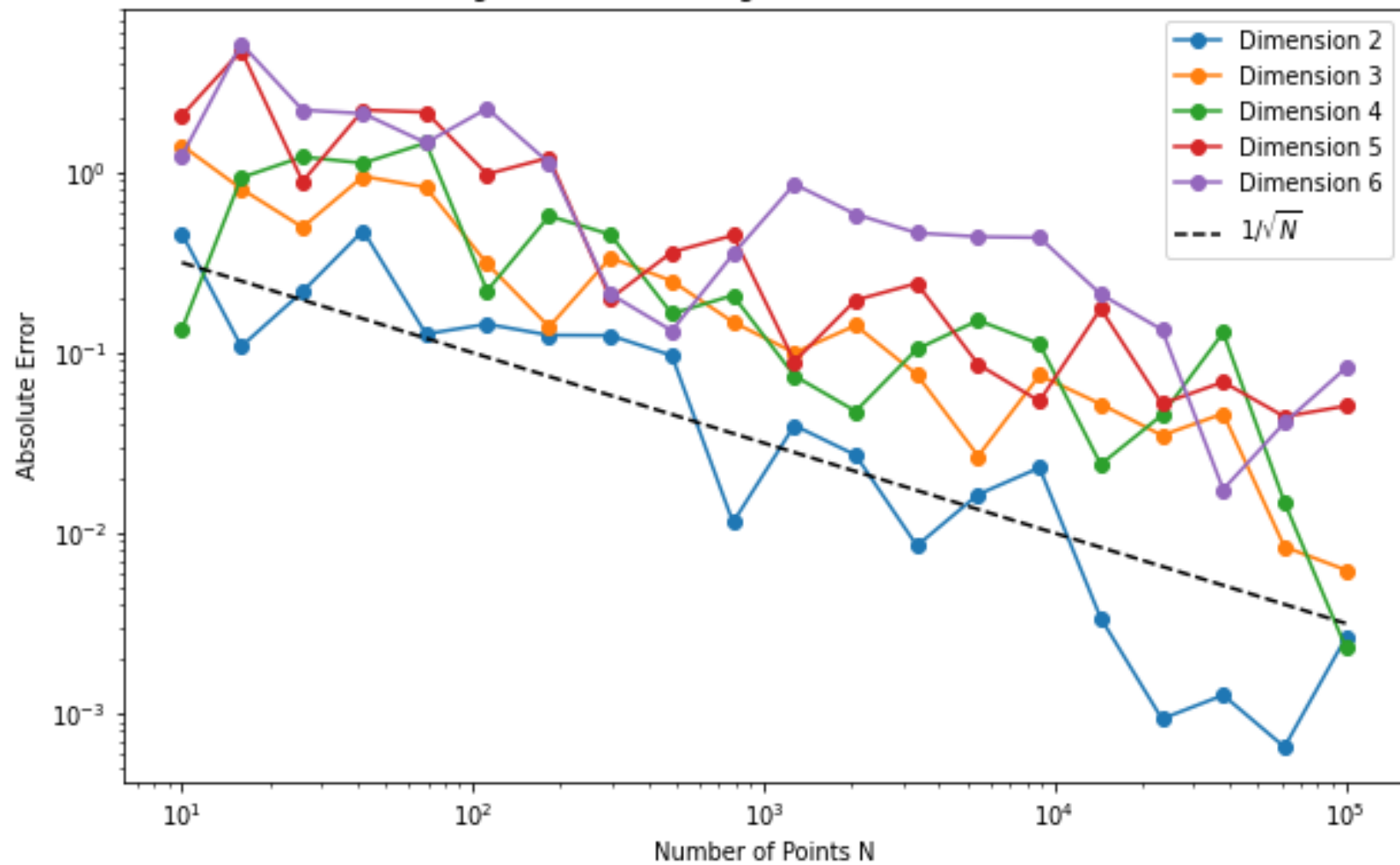


Average number of A atoms vs. Time with Uncertainty

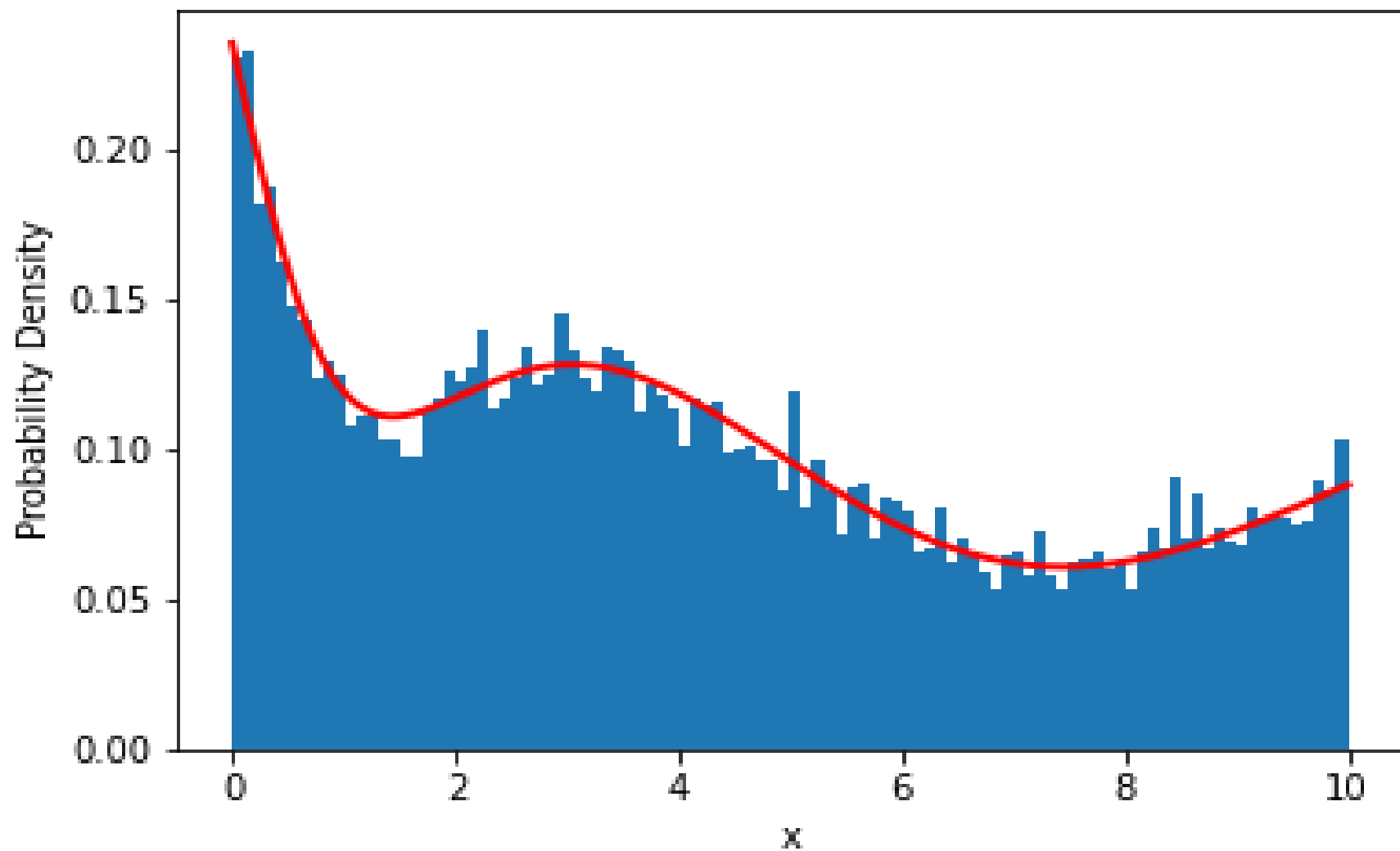




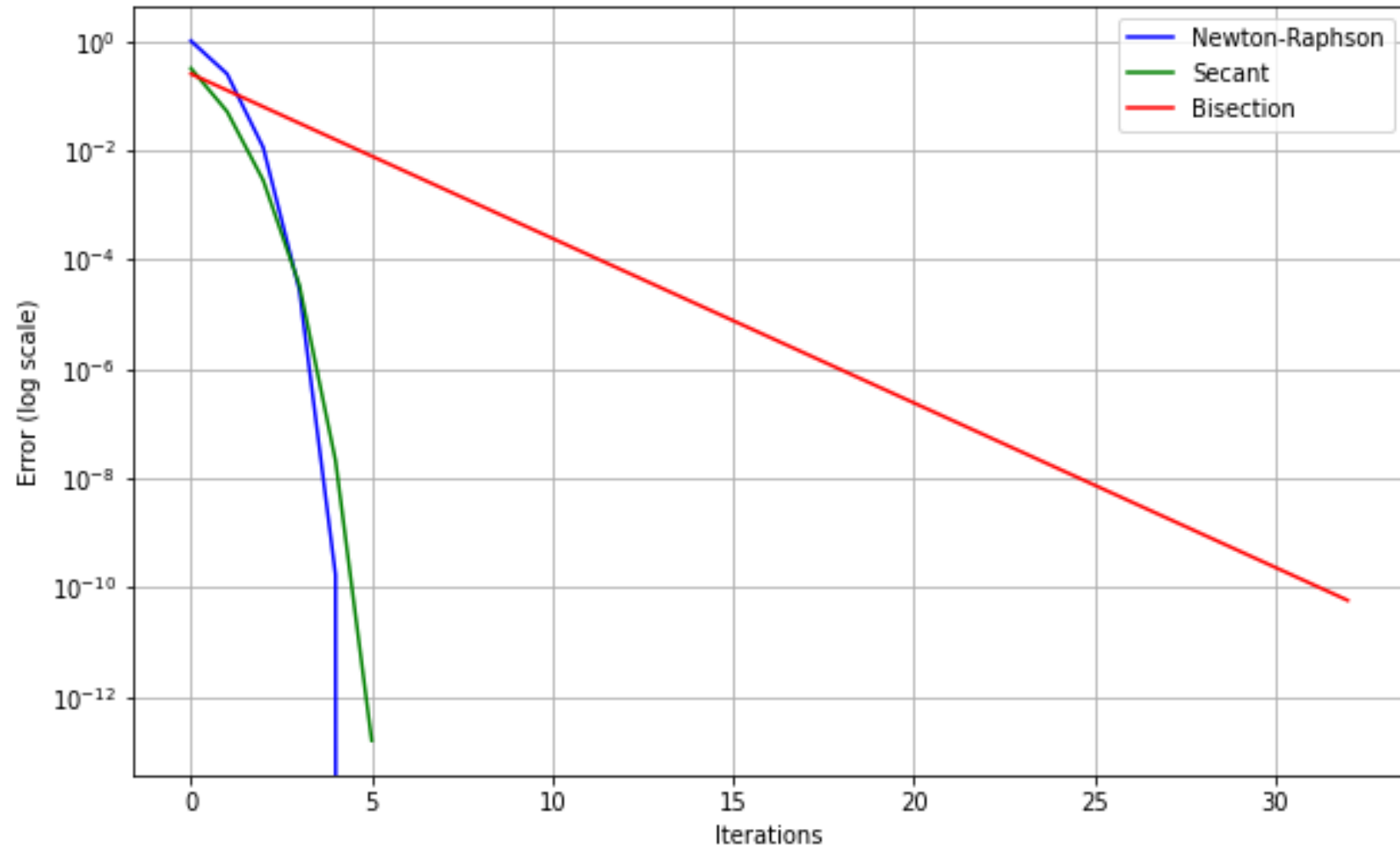
Monte Carlo Integration Error Scaling with Number of Points and Dimension



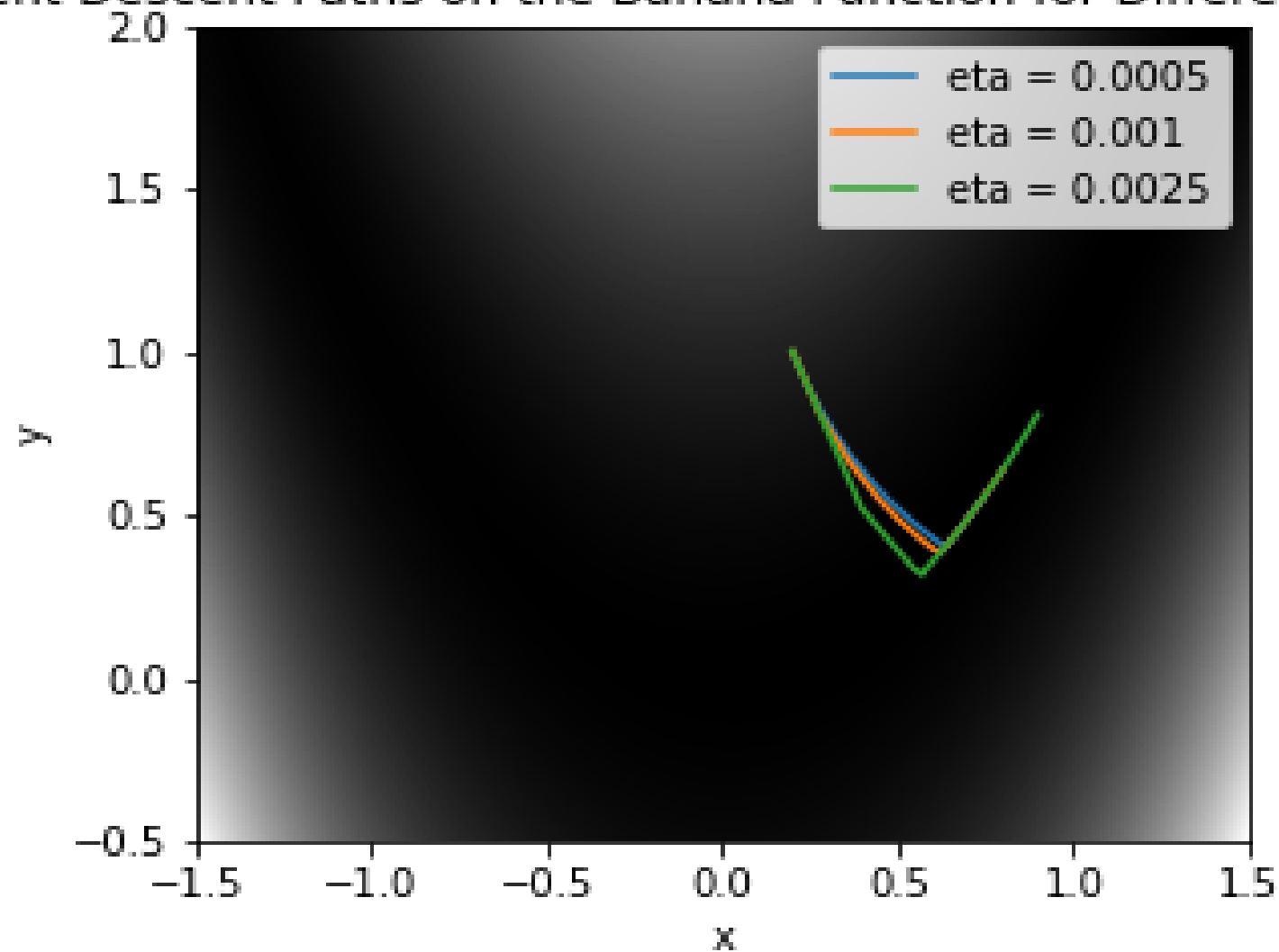
Generated Distribution vs. Theoretical PDF



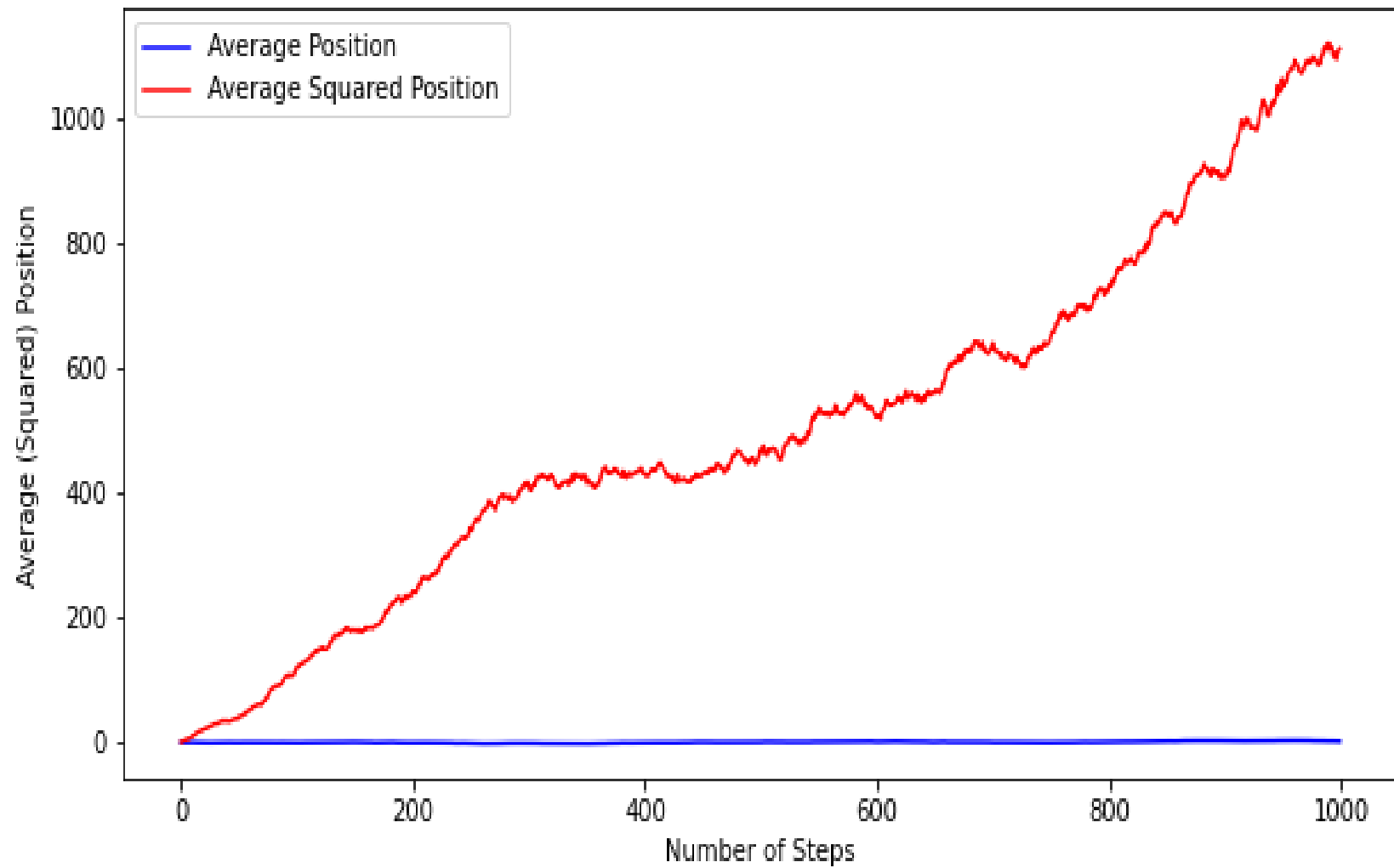
Comparison of Root Finding Methods



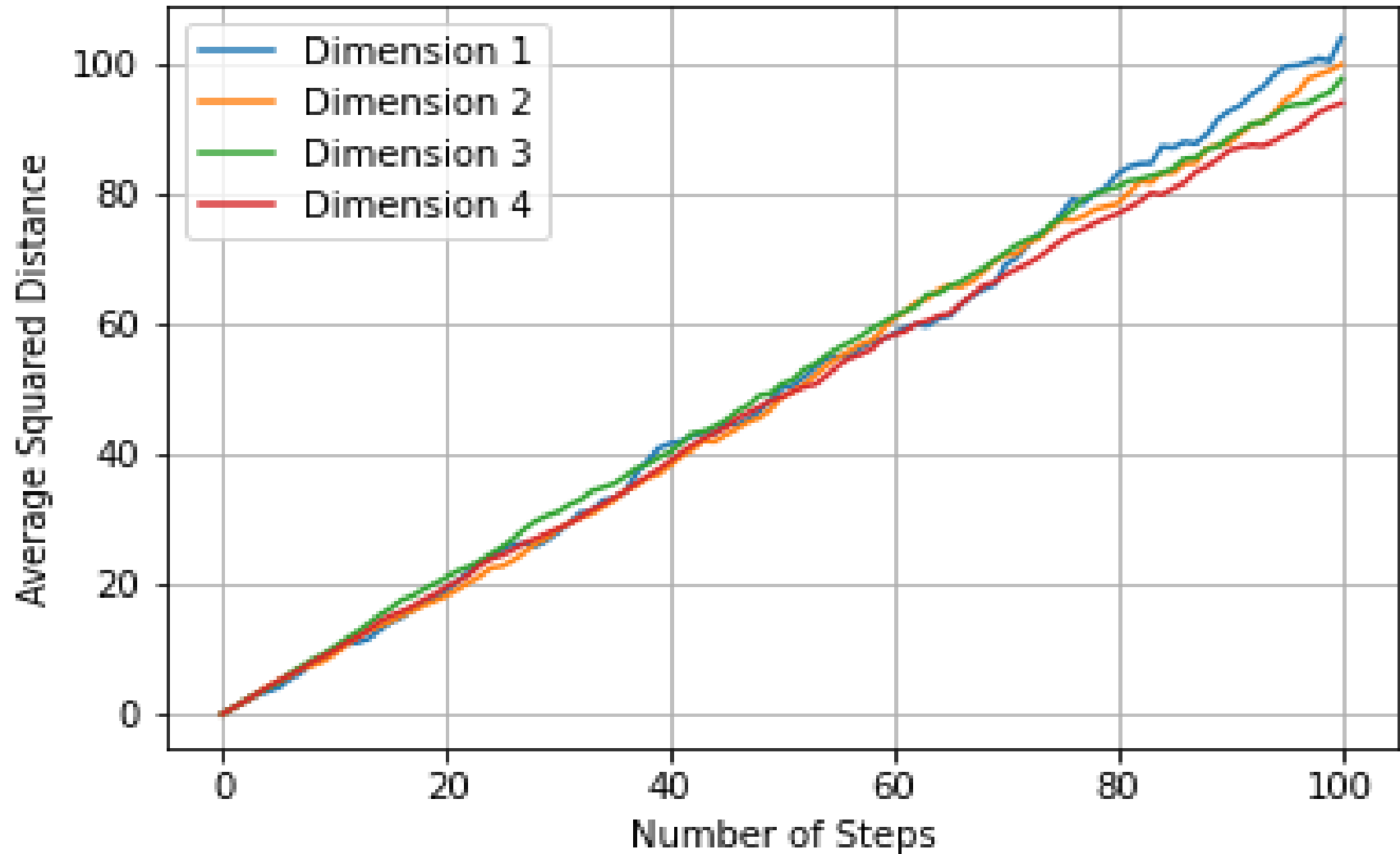
Gradient Descent Paths on the Banana Function for Different Step Size



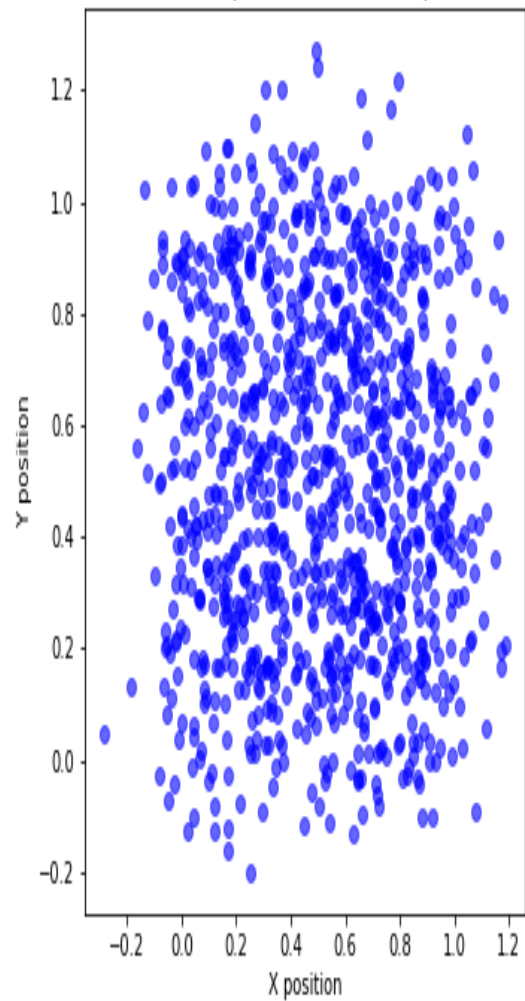
1D Random Walks: Average Position and Average Squared Position Over Time



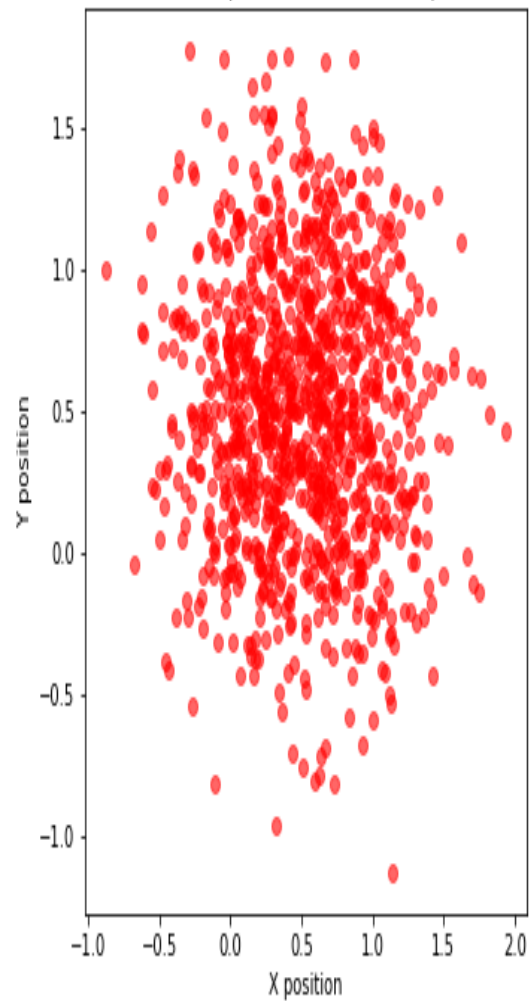
Average Squared Distance vs. Number of Steps for Various Dimension:



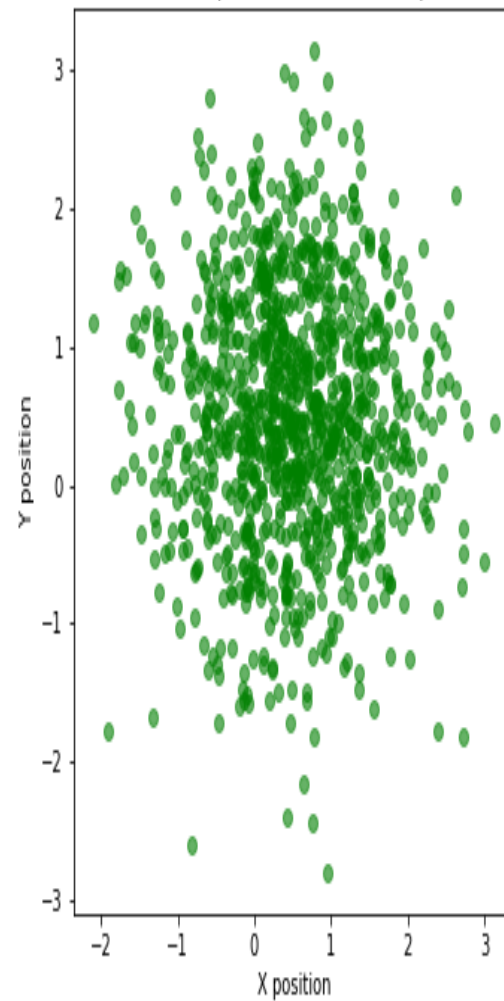
Walker positions after 10 steps



Walker positions after 100 steps



Walker positions after 500 steps



AI?