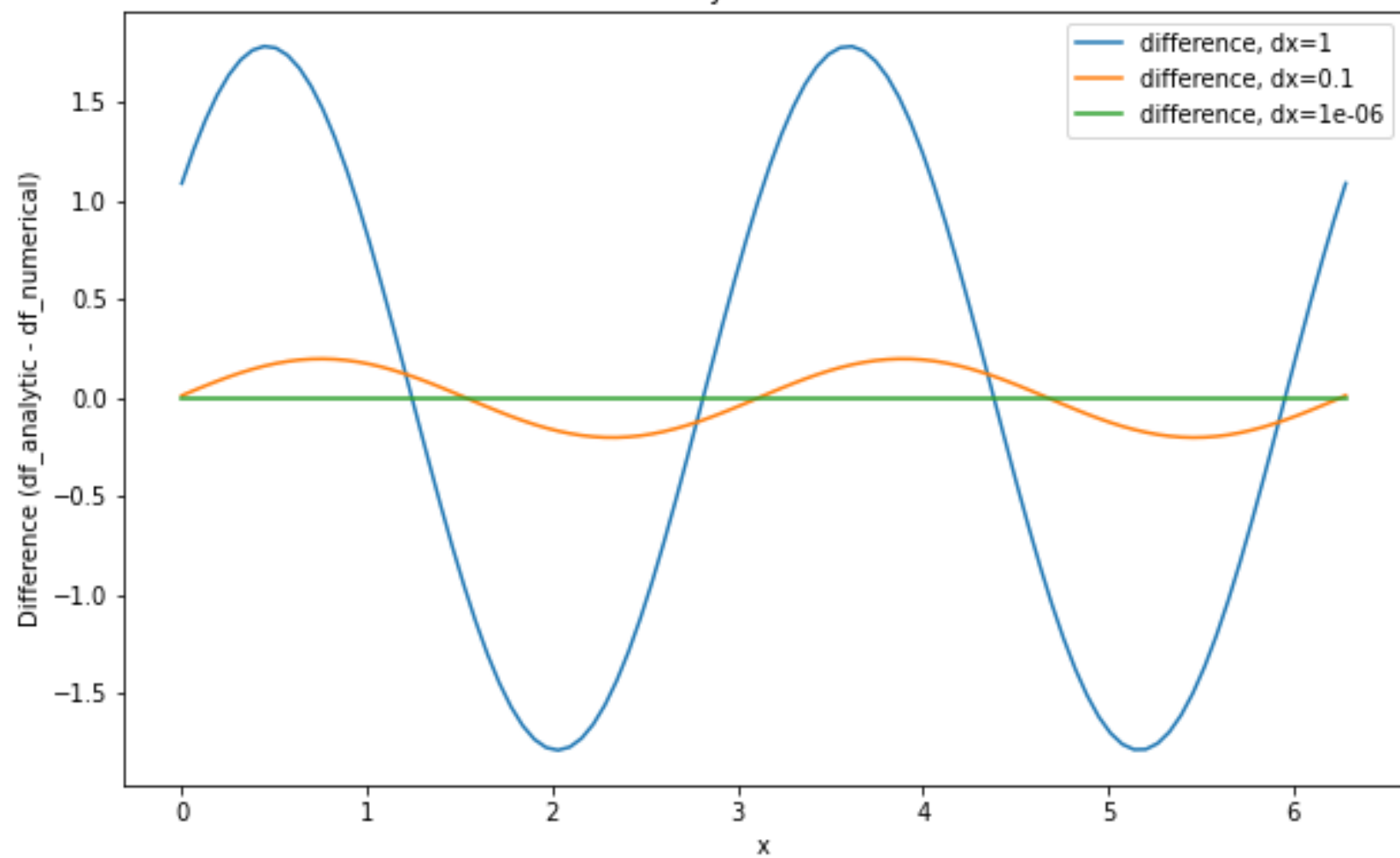
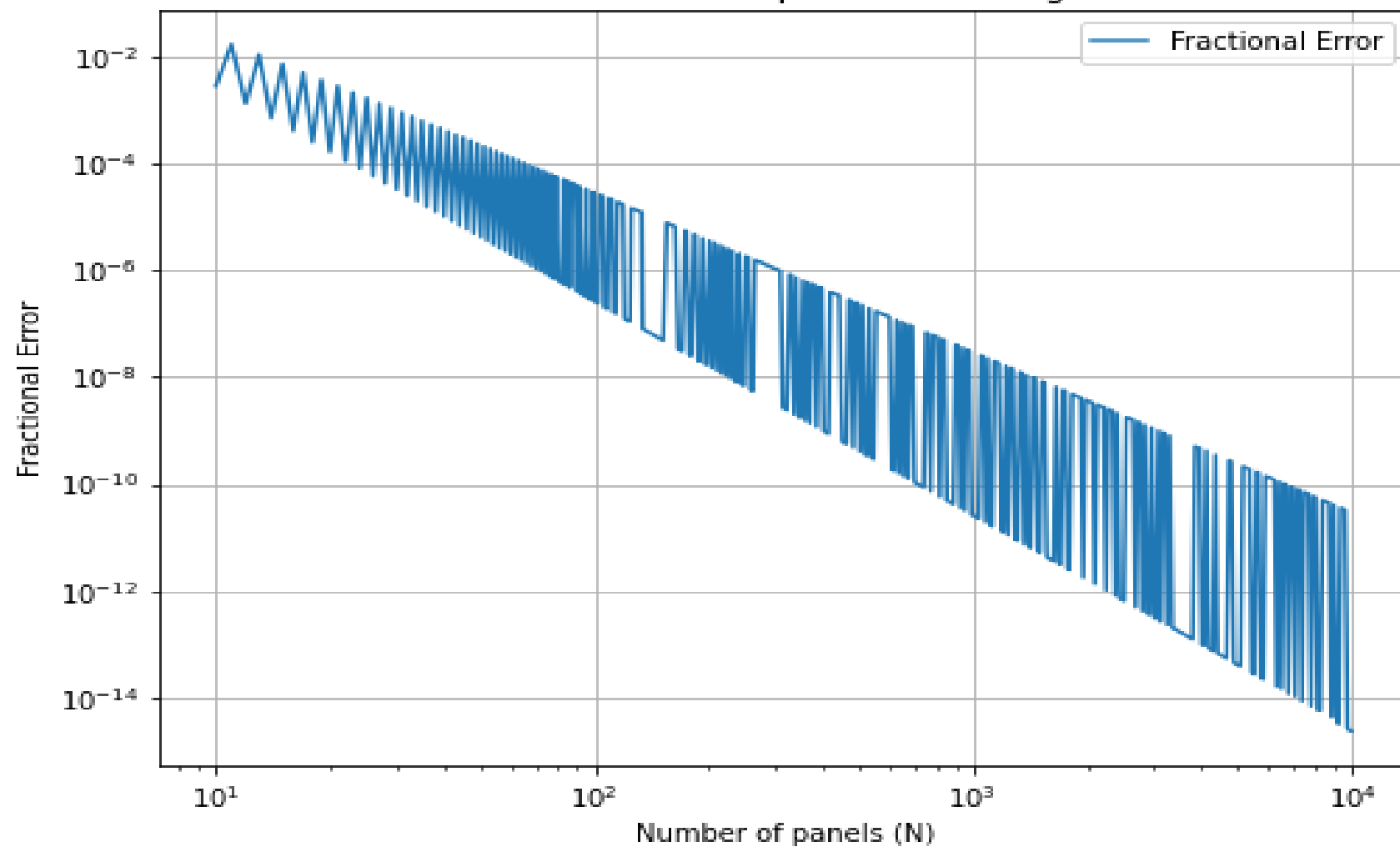


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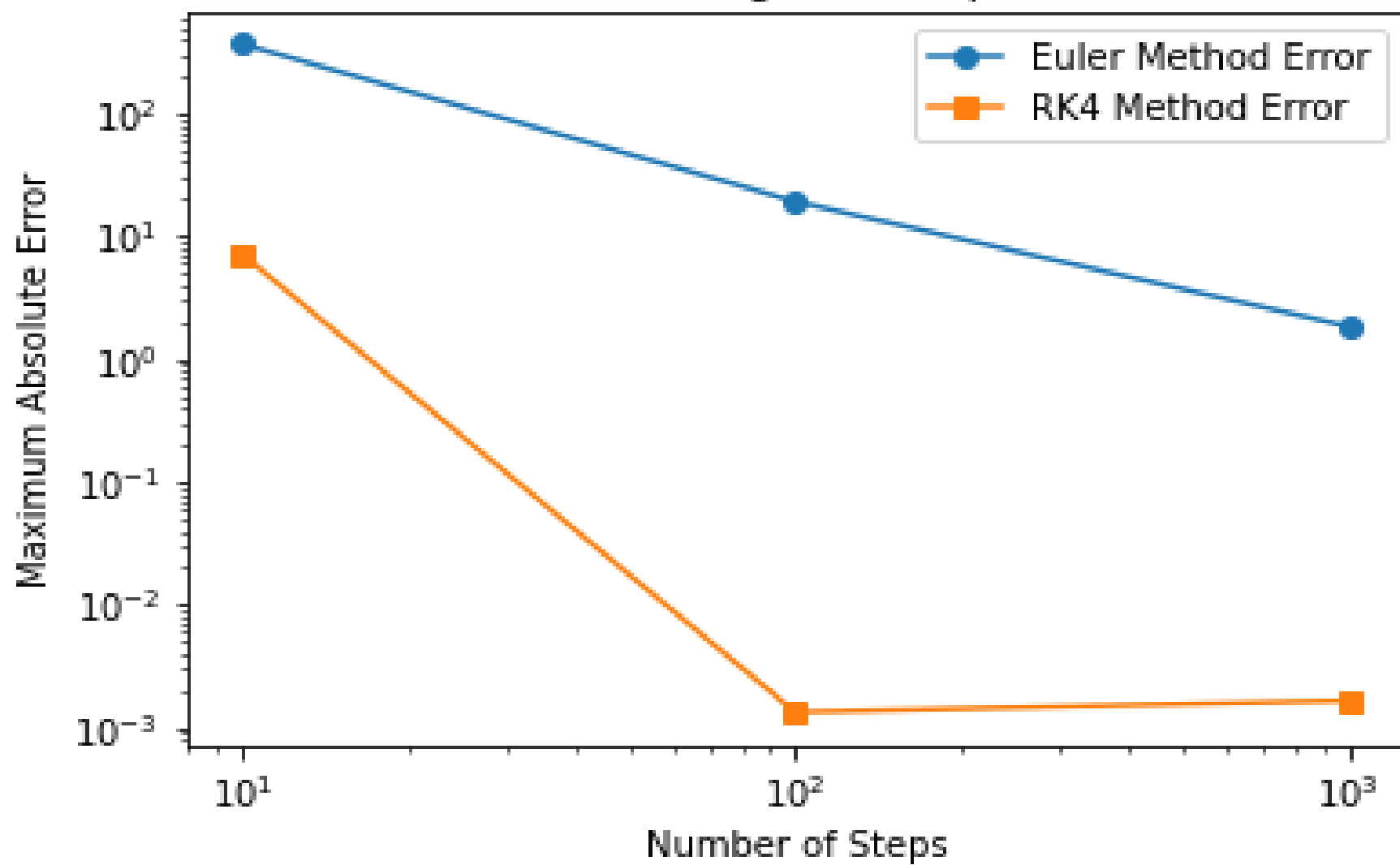
Difference Between Analytical and Numerical Derivatives



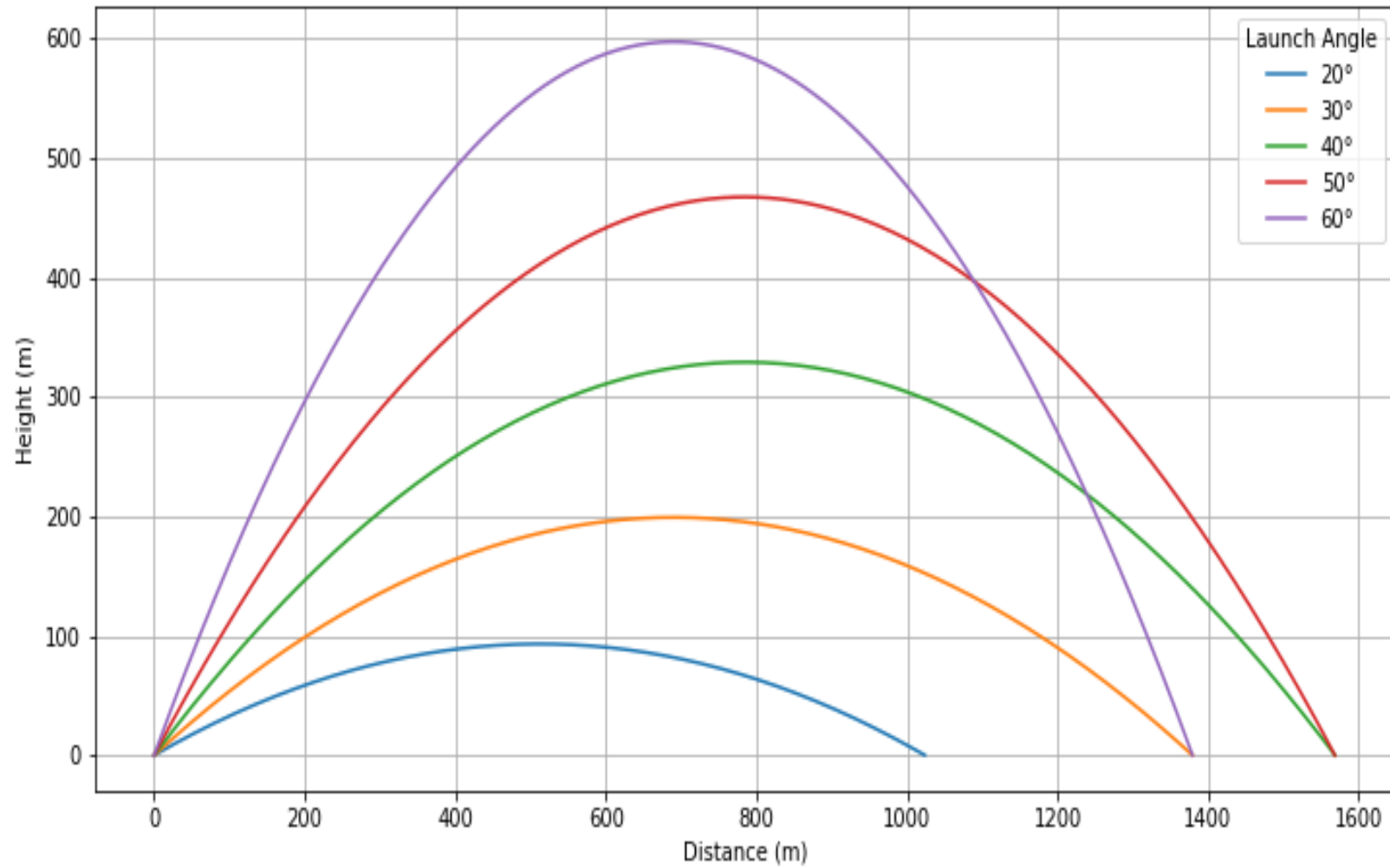
Fractional Error of Simpson's Rule Integration



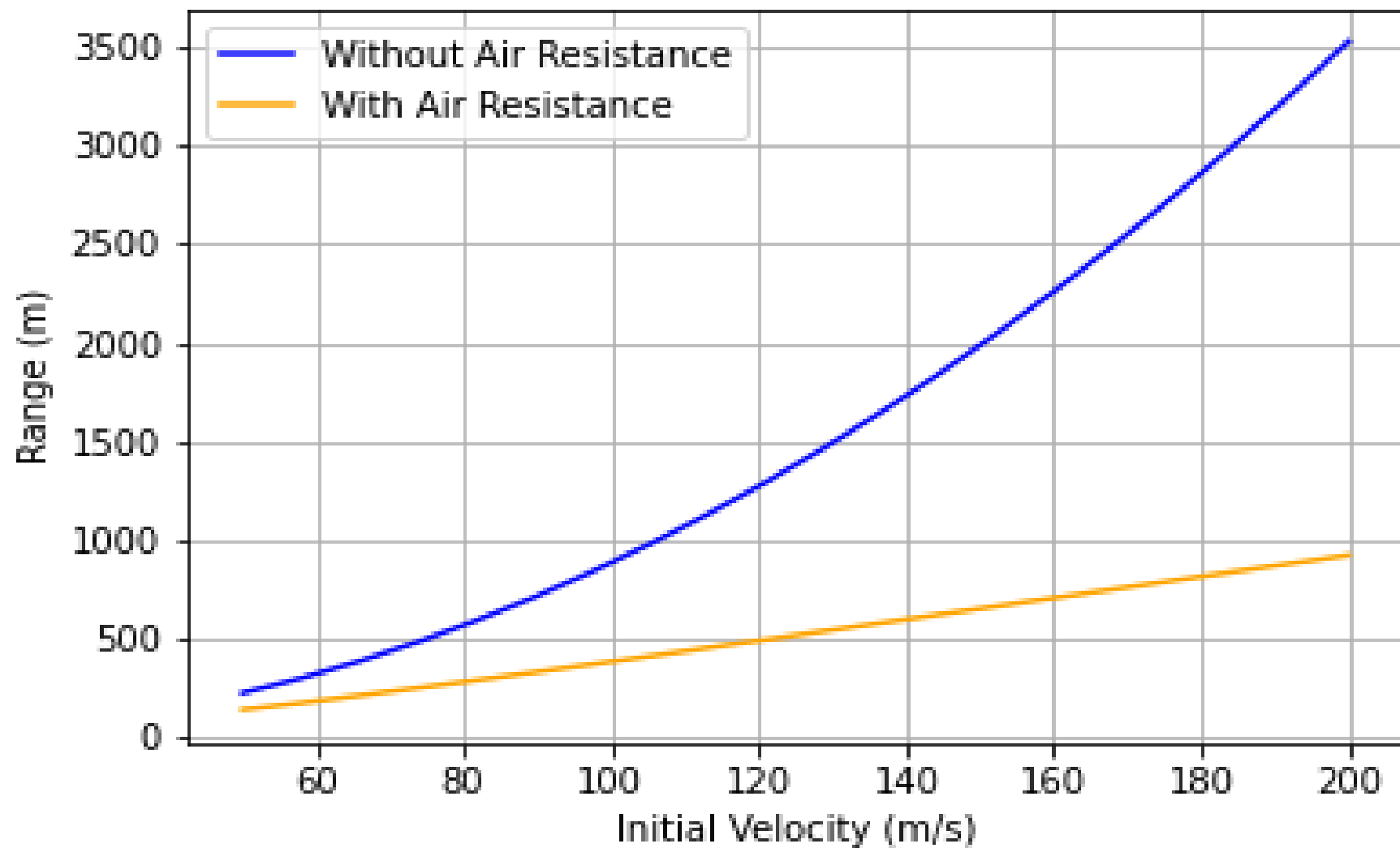
Error Scaling with Step Size



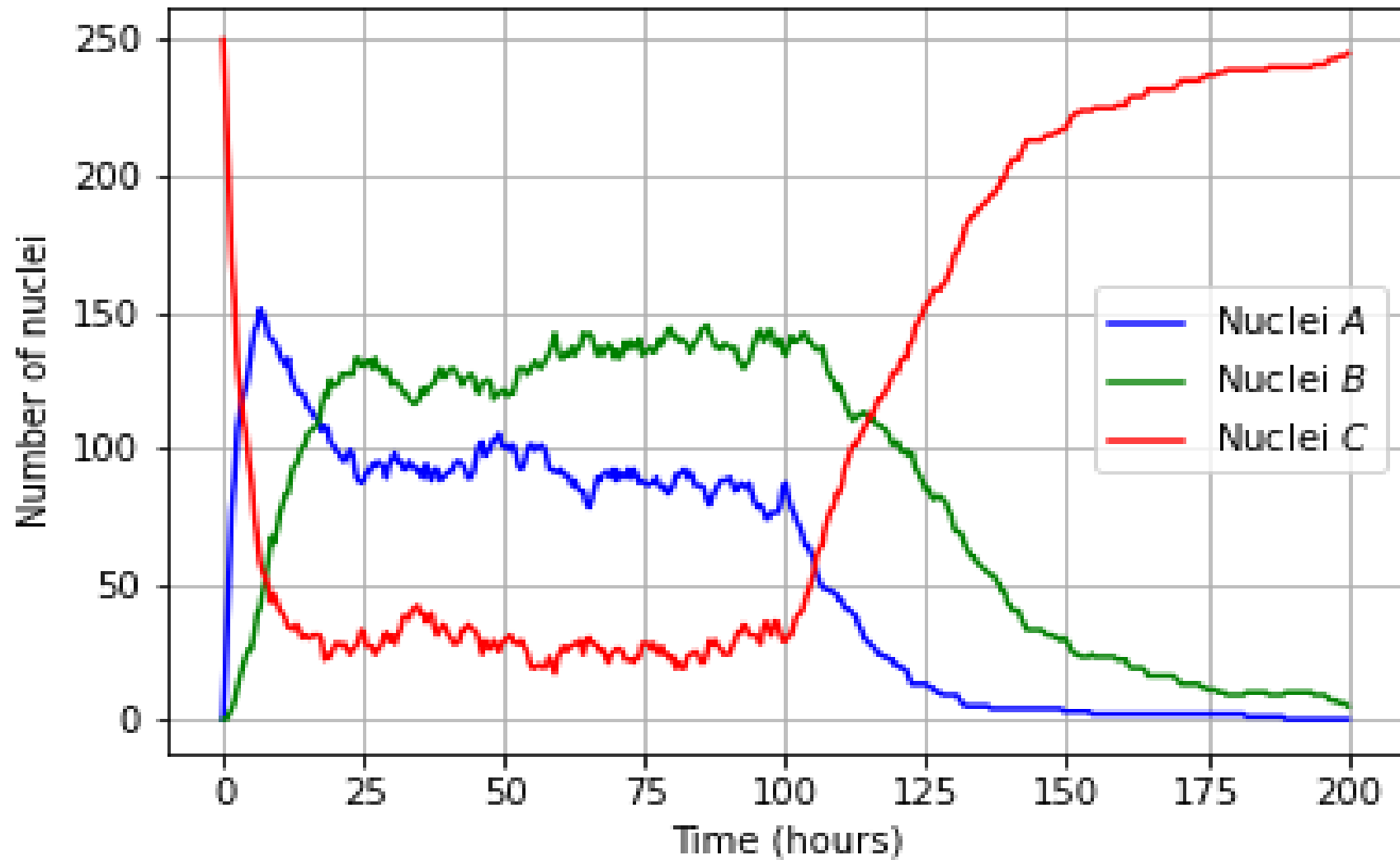
Projectile Trajectories for Different Launch Angles at $v_0 = 125$ m/s



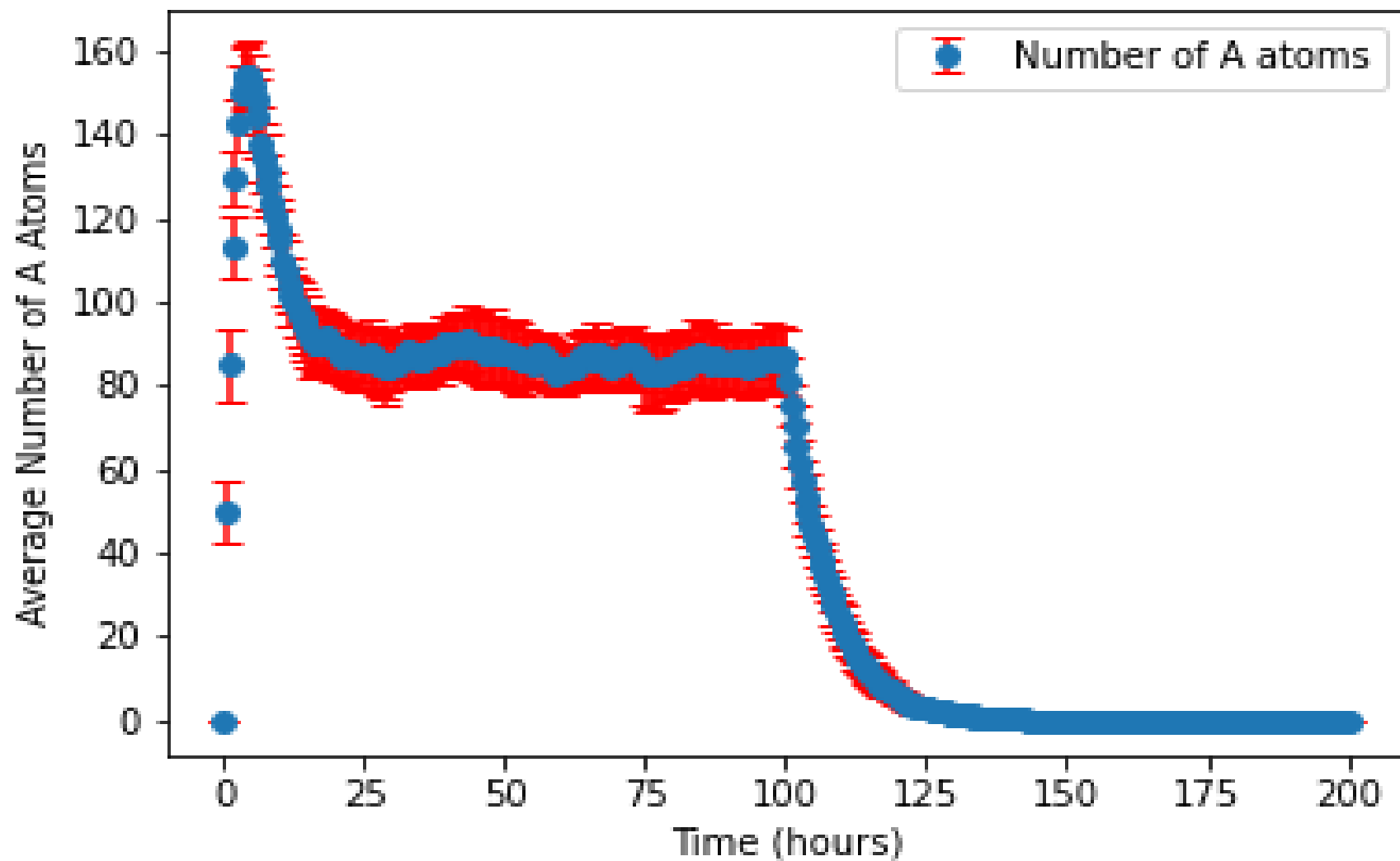
Projectile Range vs Initial Velocity for $\Theta = 60^\circ$



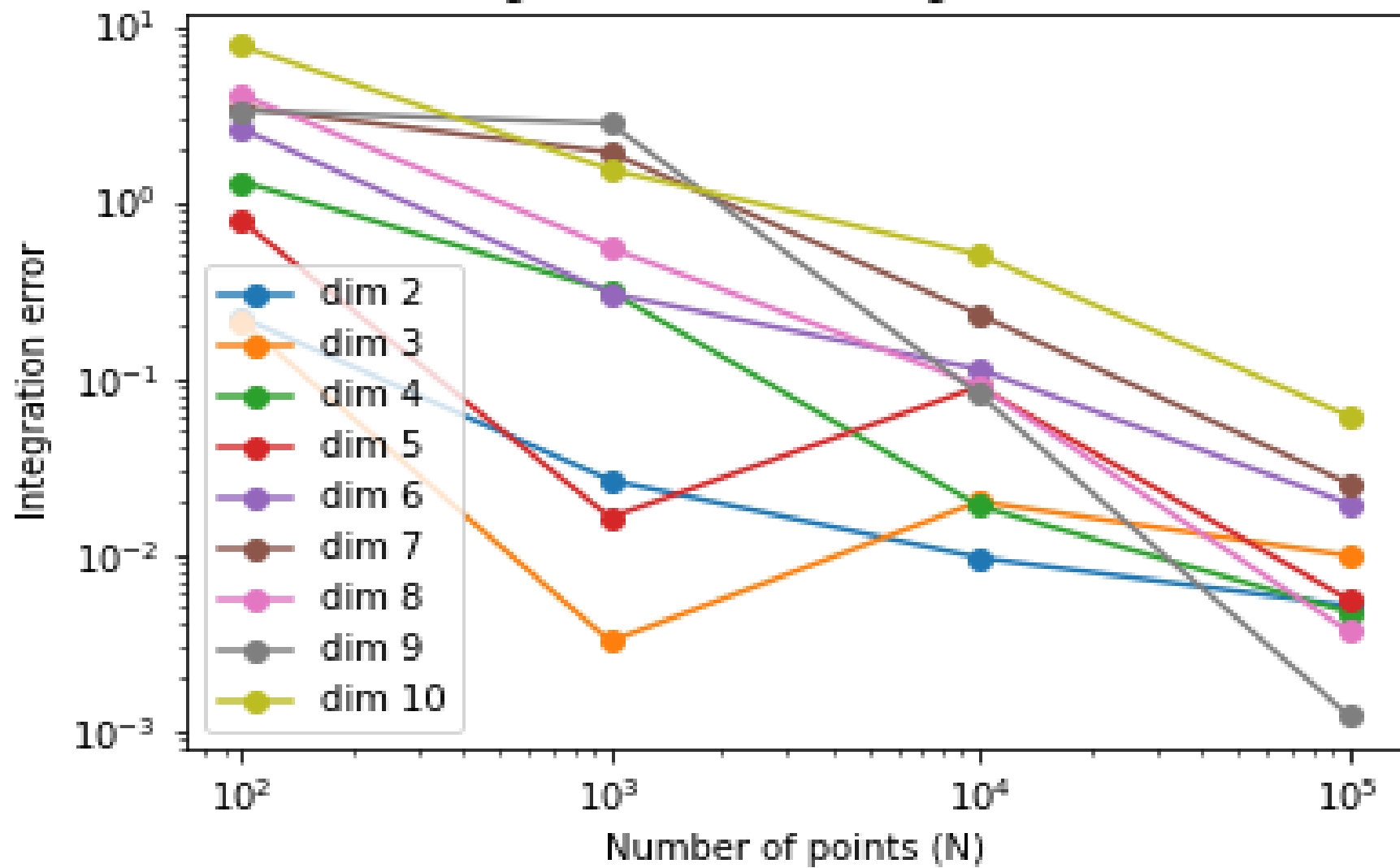
Nuclear Decay with and without Neutron Flux



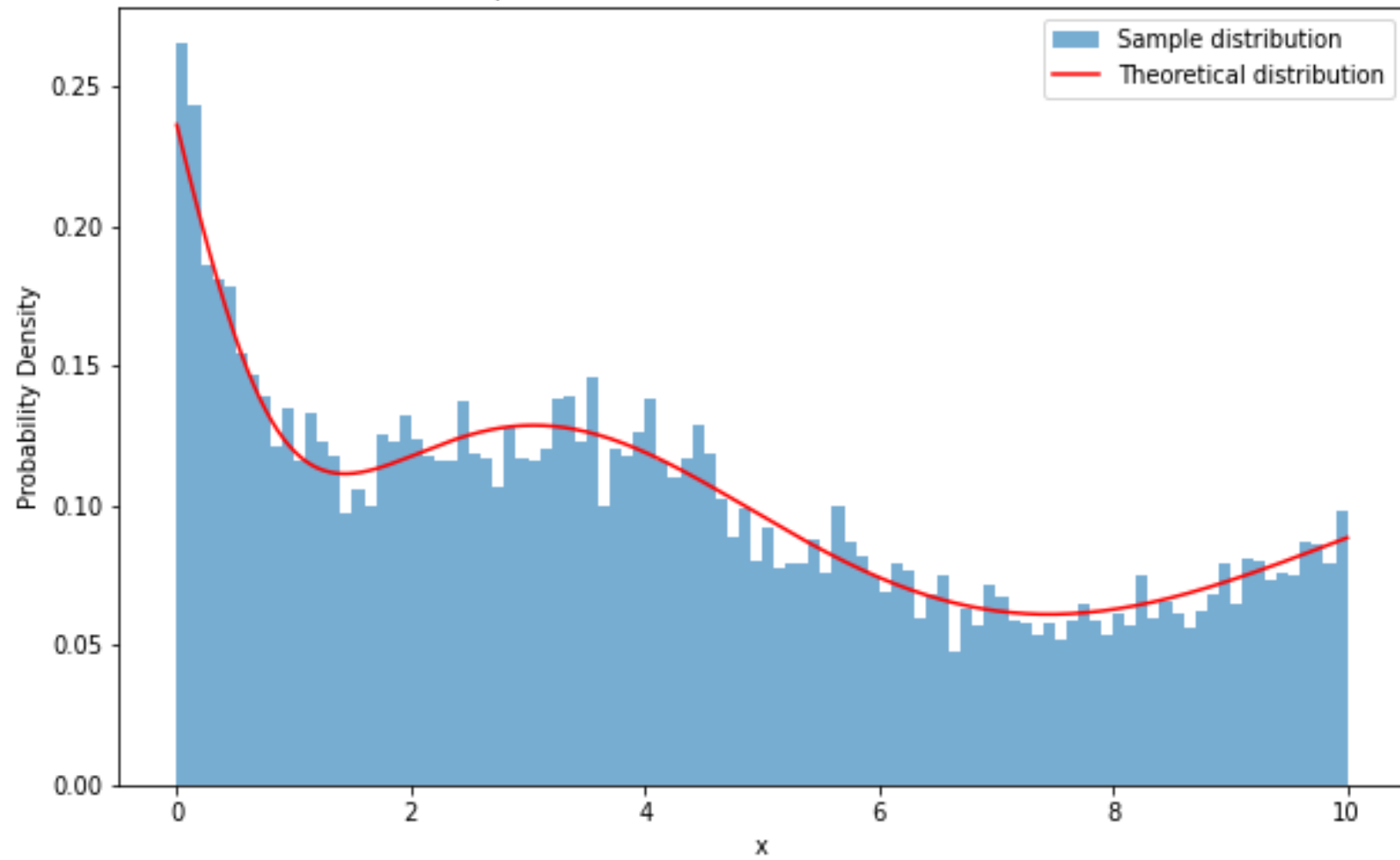
Average Number of A Atoms vs Time with Uncertainty



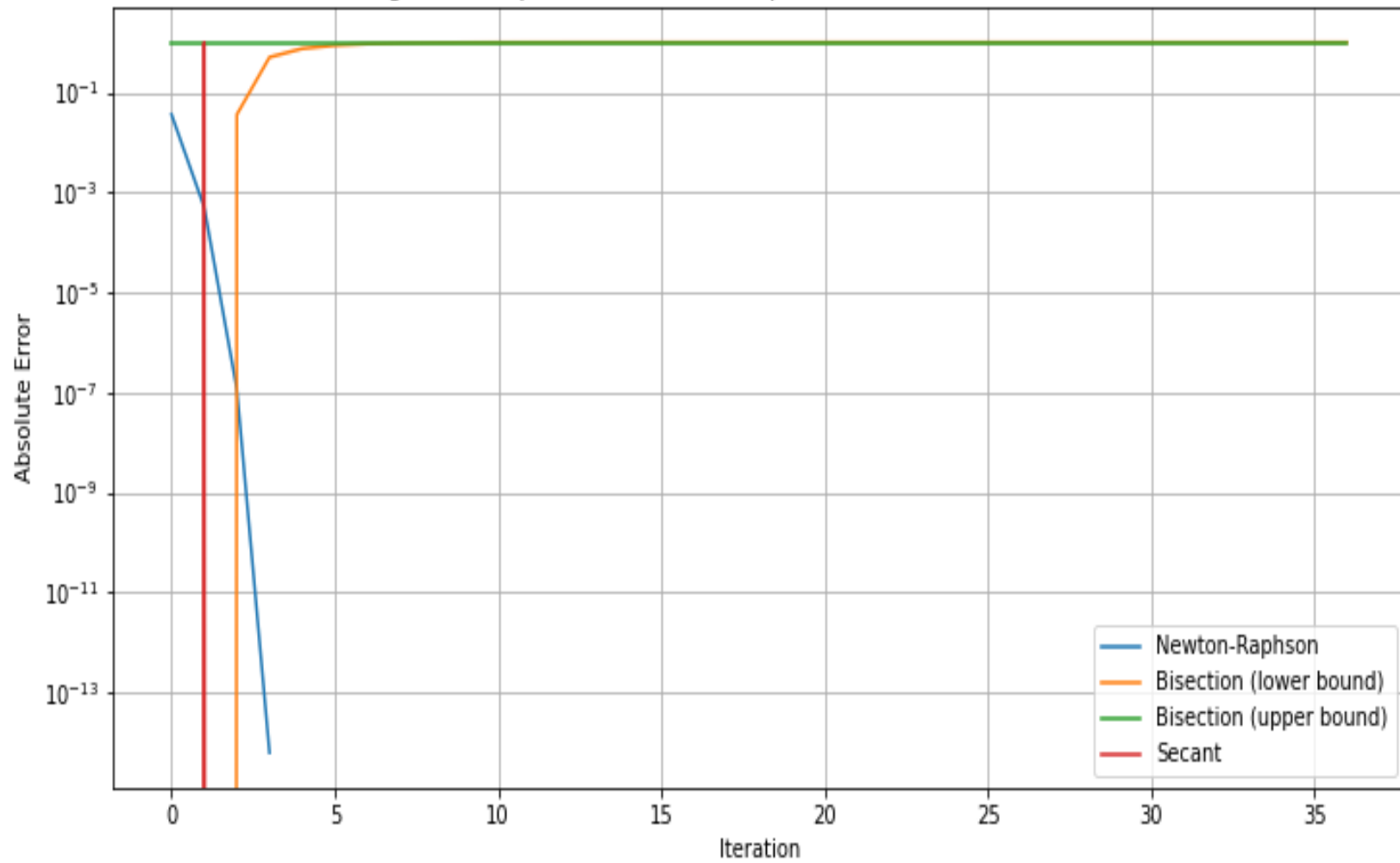
Monte Carlo Integration Error Scaling with Dimension and N



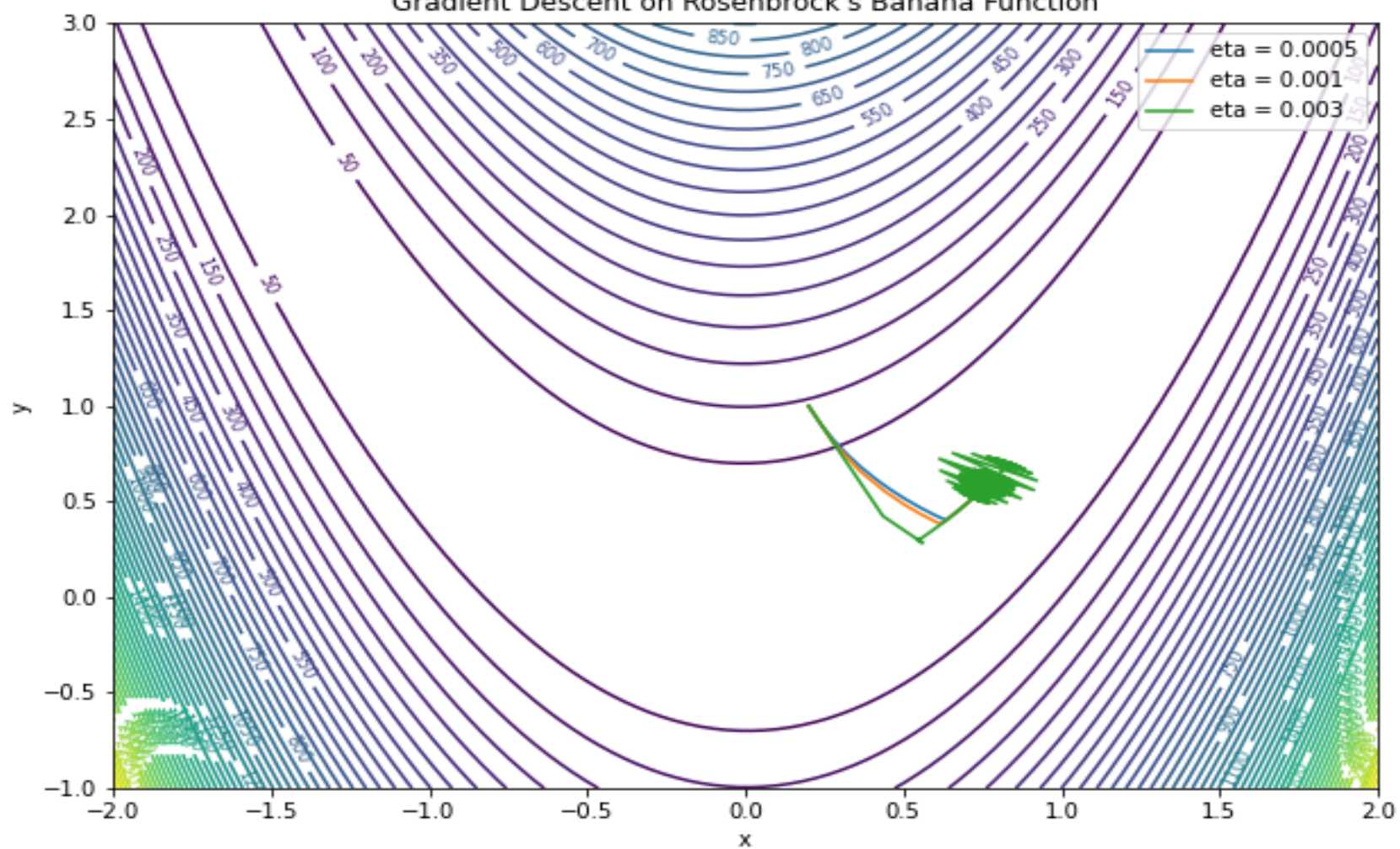
Sample Distribution vs. Theoretical Distribution



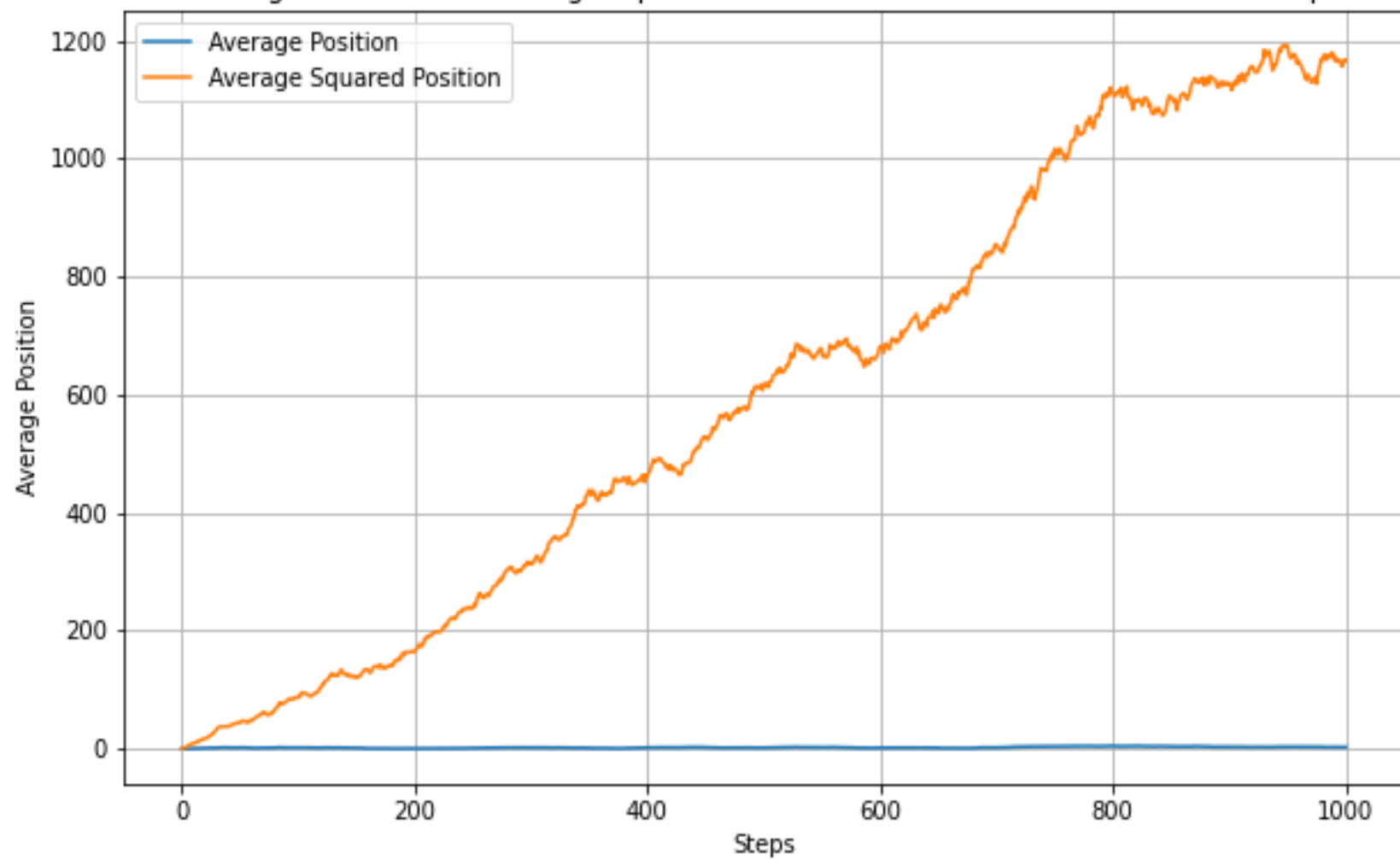
Convergence Comparison of Newton-Raphson, Bisection, and Secant Methods



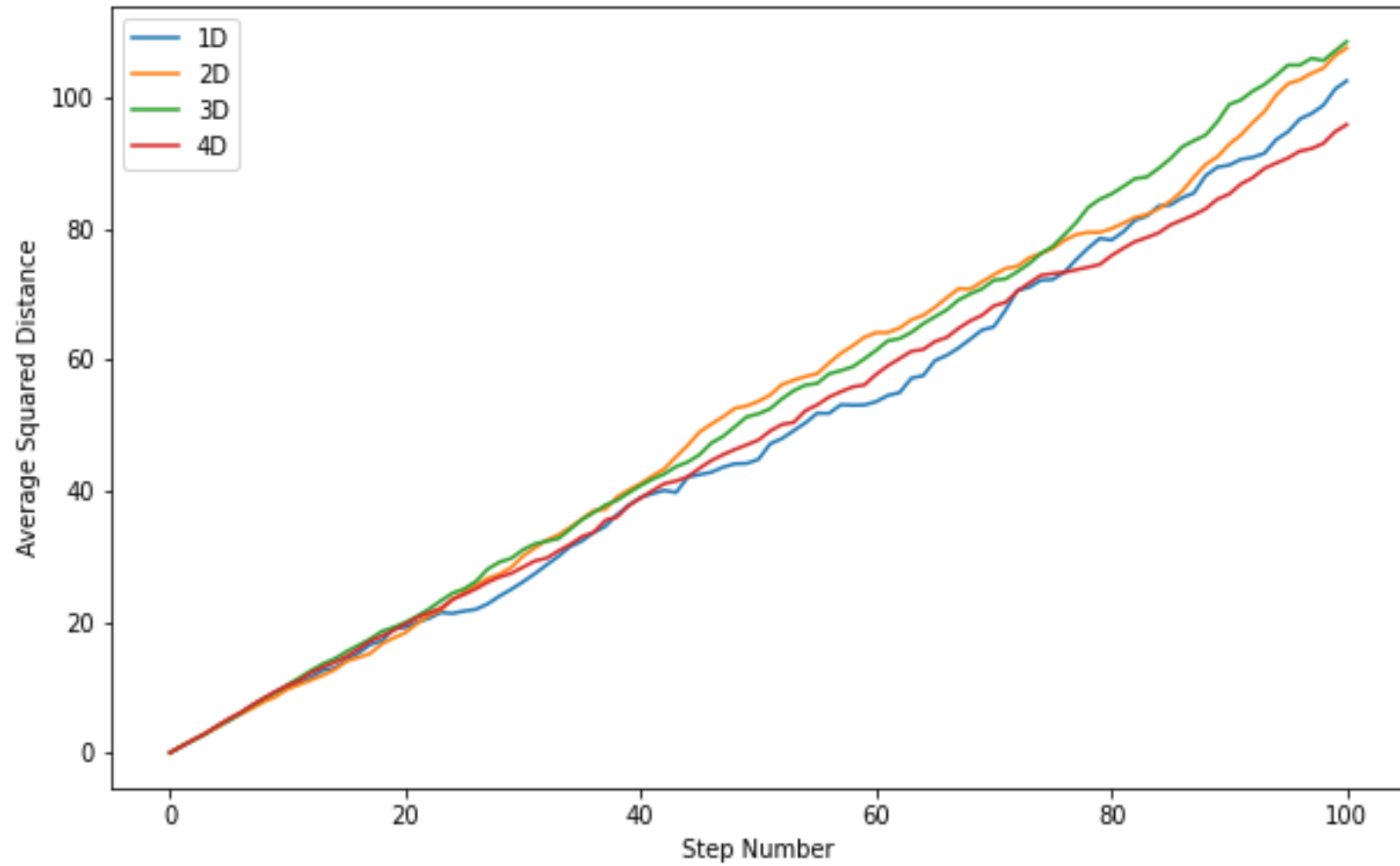
Gradient Descent on Rosenbrock's Banana Function



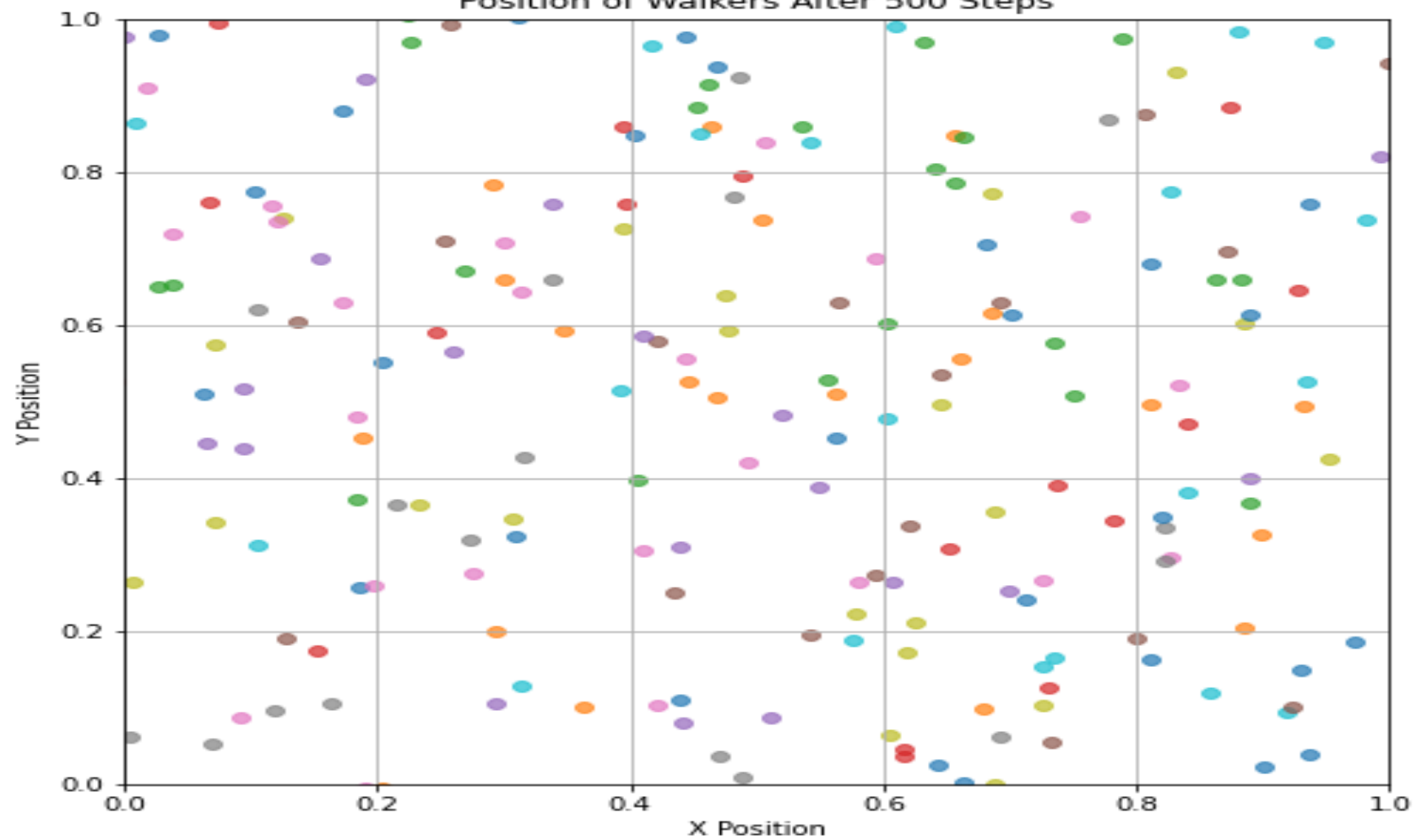
Average Position and Average Squared Position of 100 1D Walkers Over 1000 Steps



Average Squared Distance Scaling with Dimension



Position of Walkers After 500 Steps



AI?