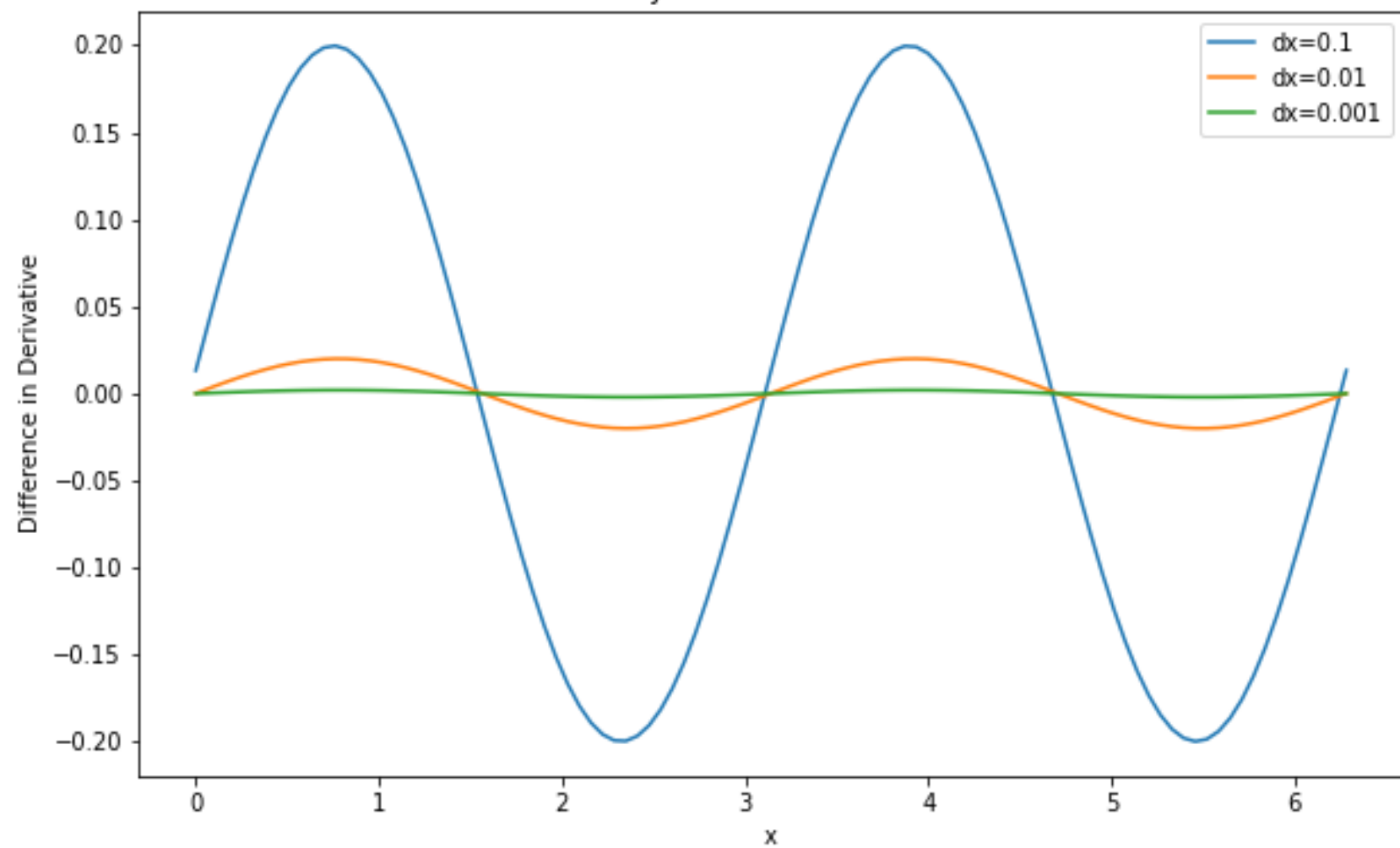
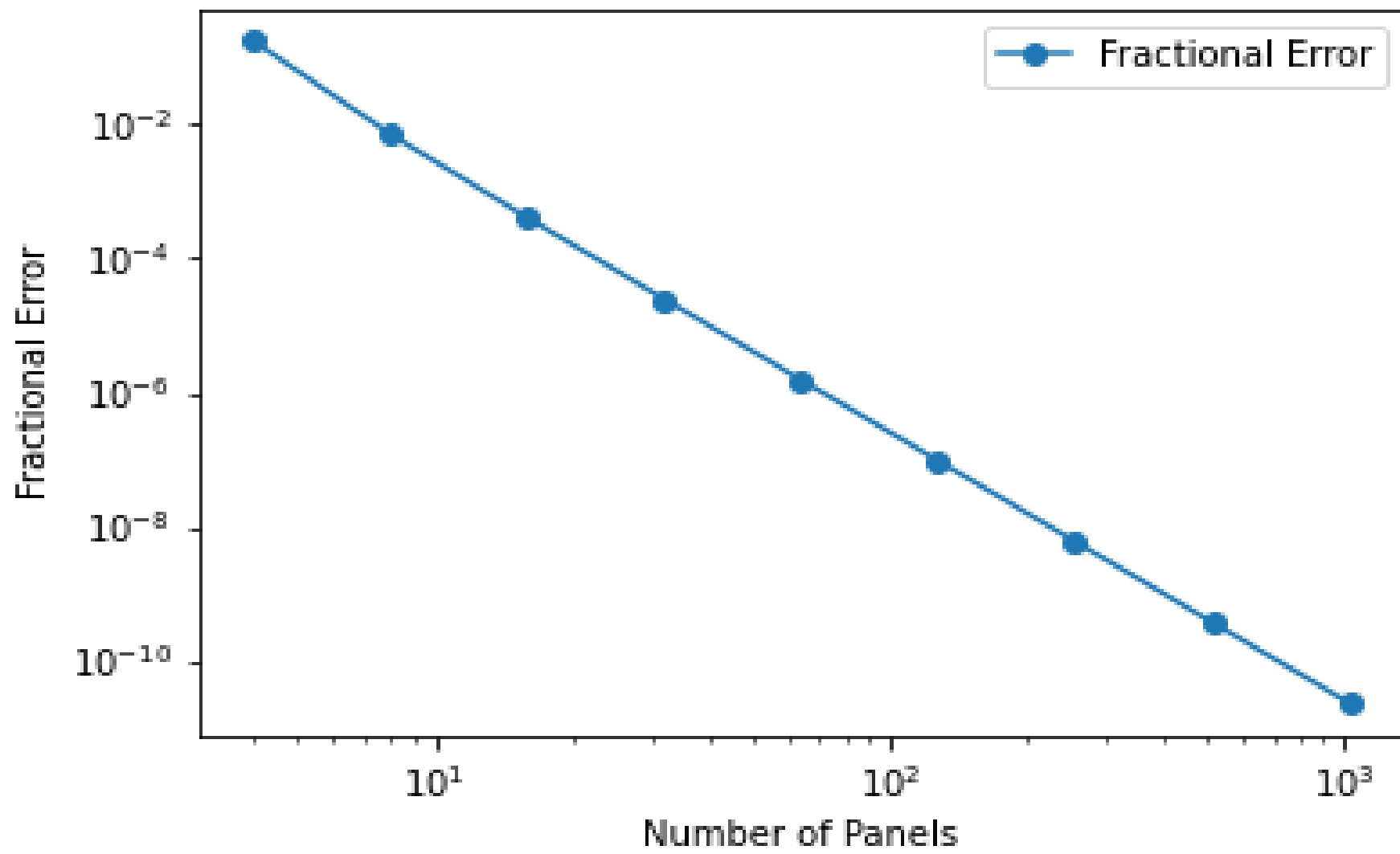


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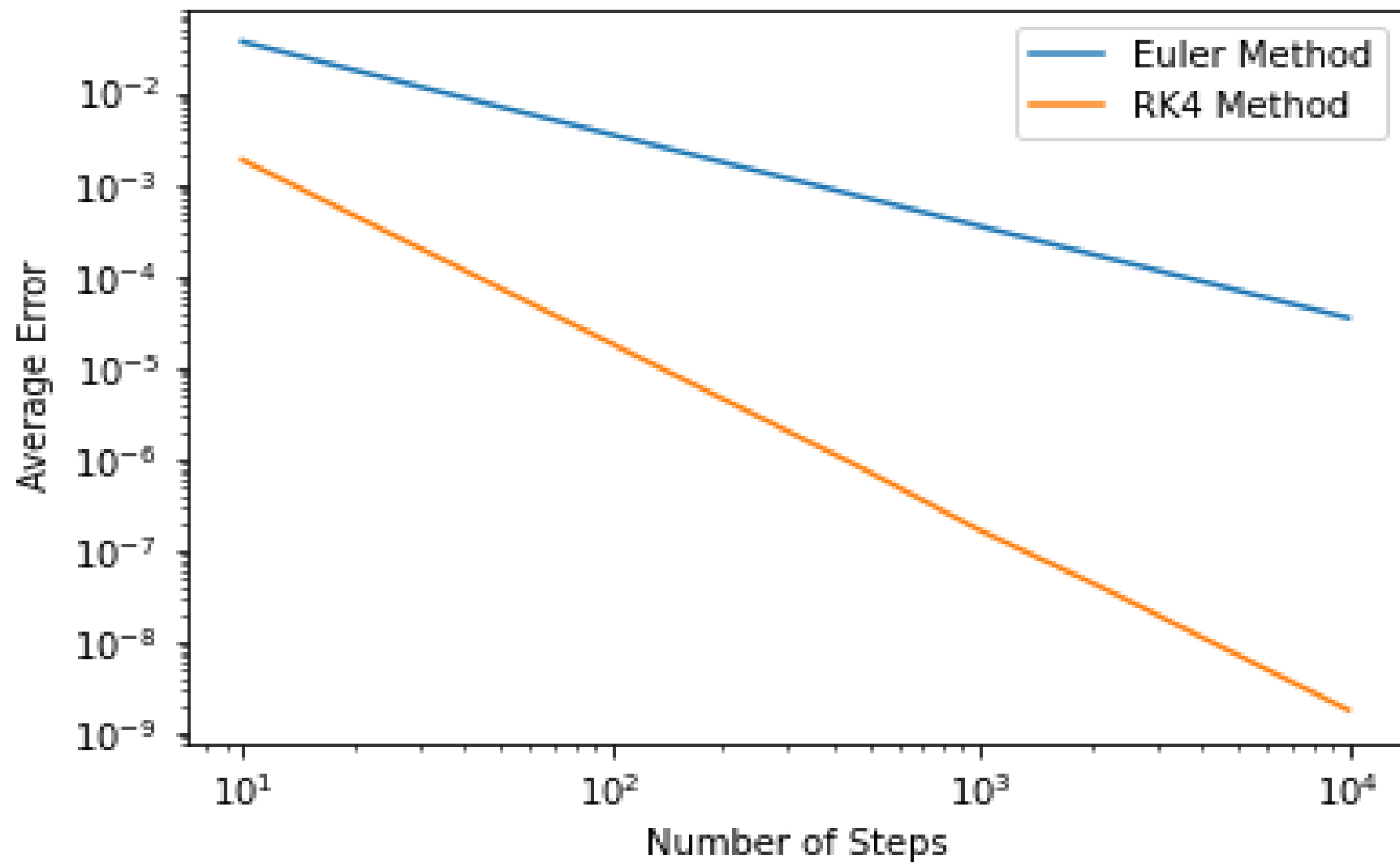
Difference Between Analytical Derivative and Numerical Derivative



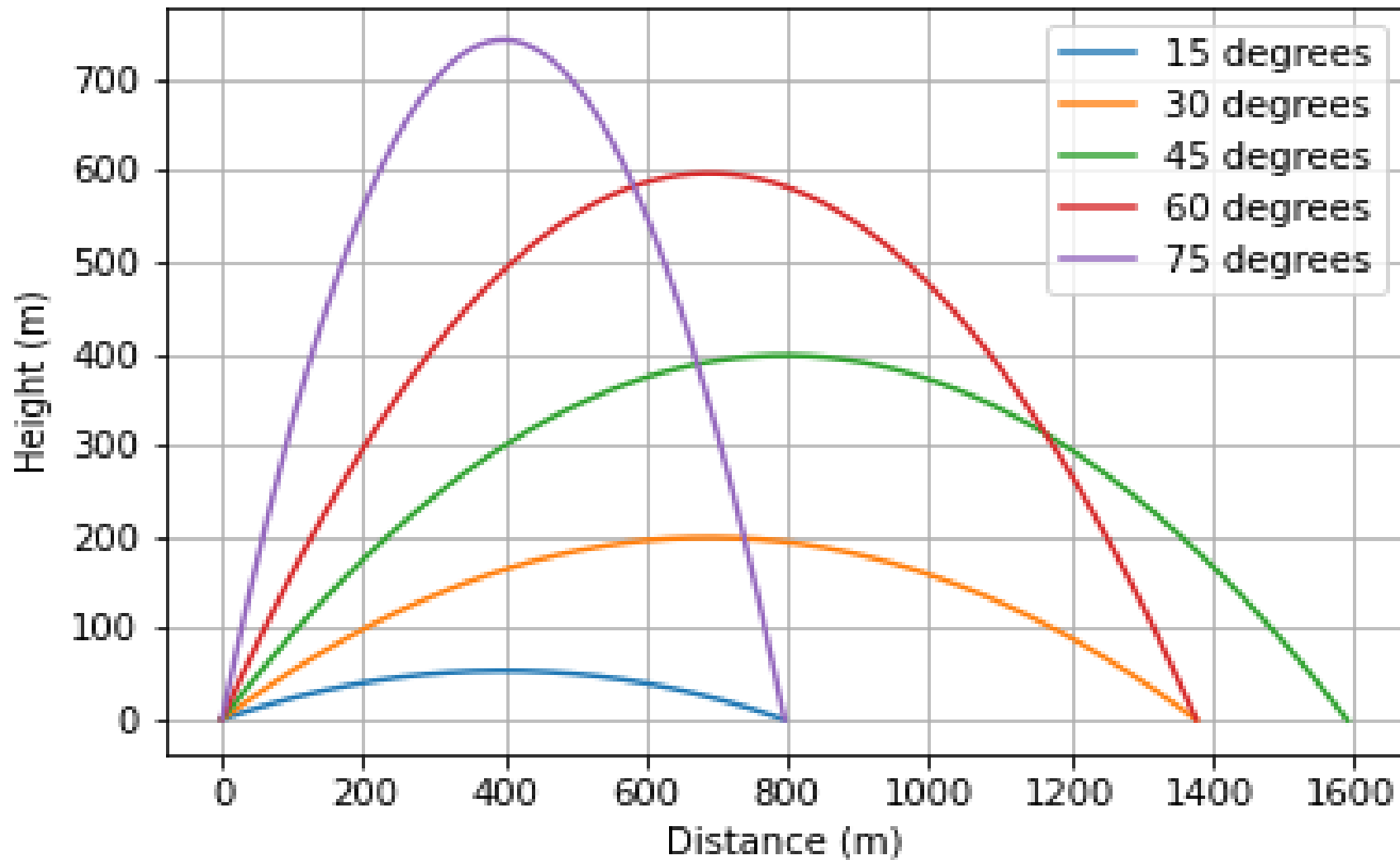
Fractional Error in Numerical Integration using Simpson's Rule



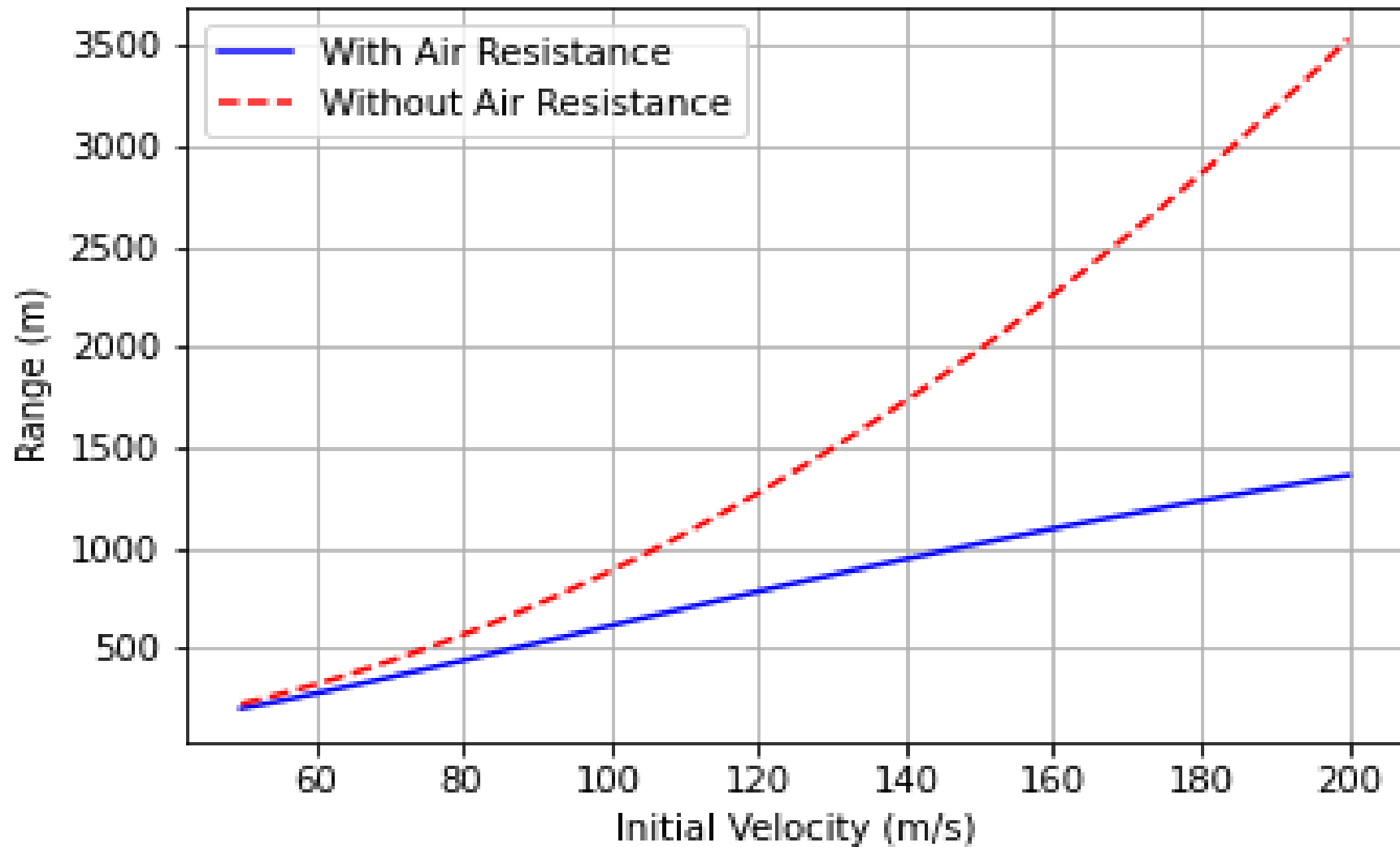
Comparison of Errors in Euler and RK4 Methods



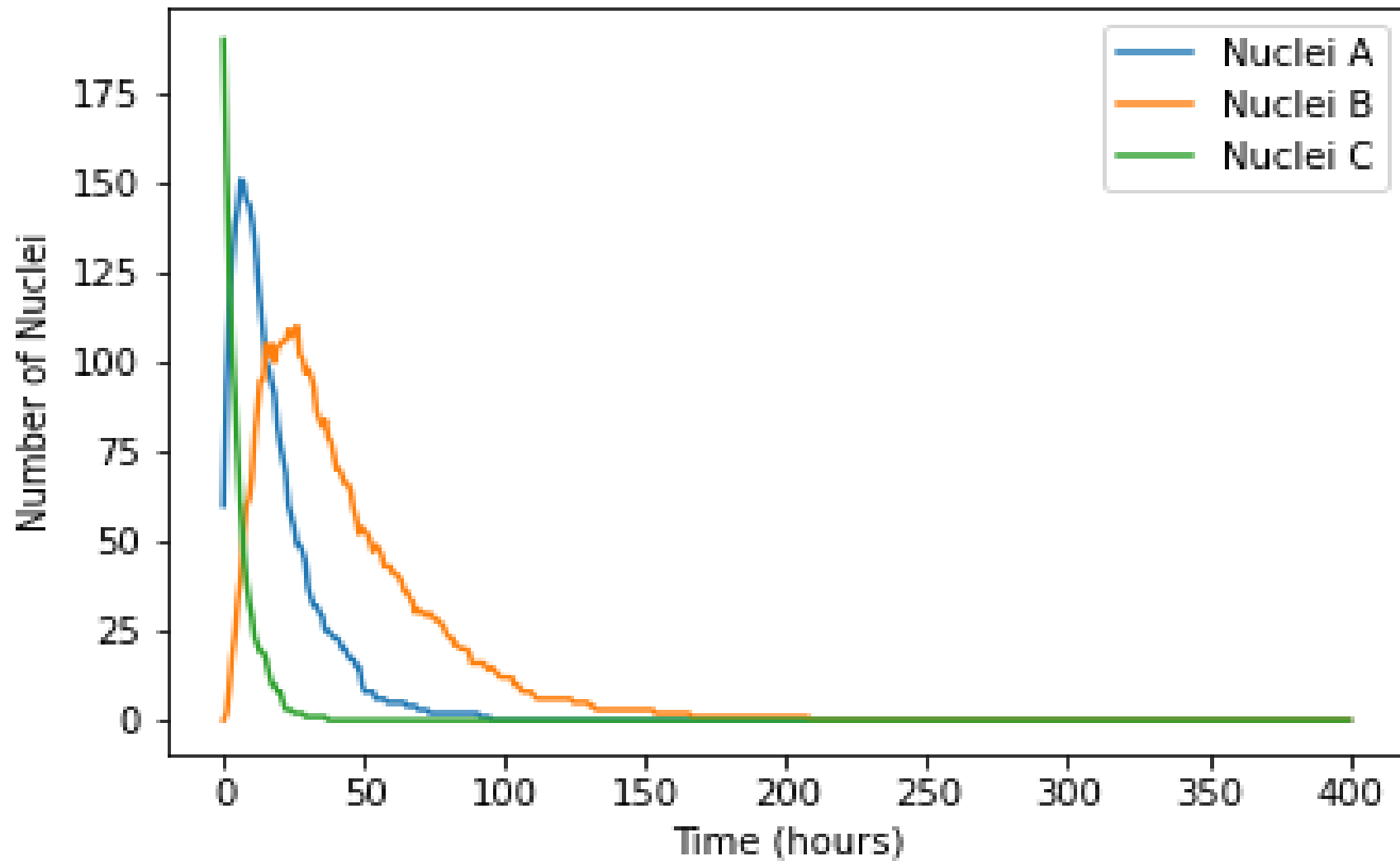
Projectile motion of a cannonball for various initial angles



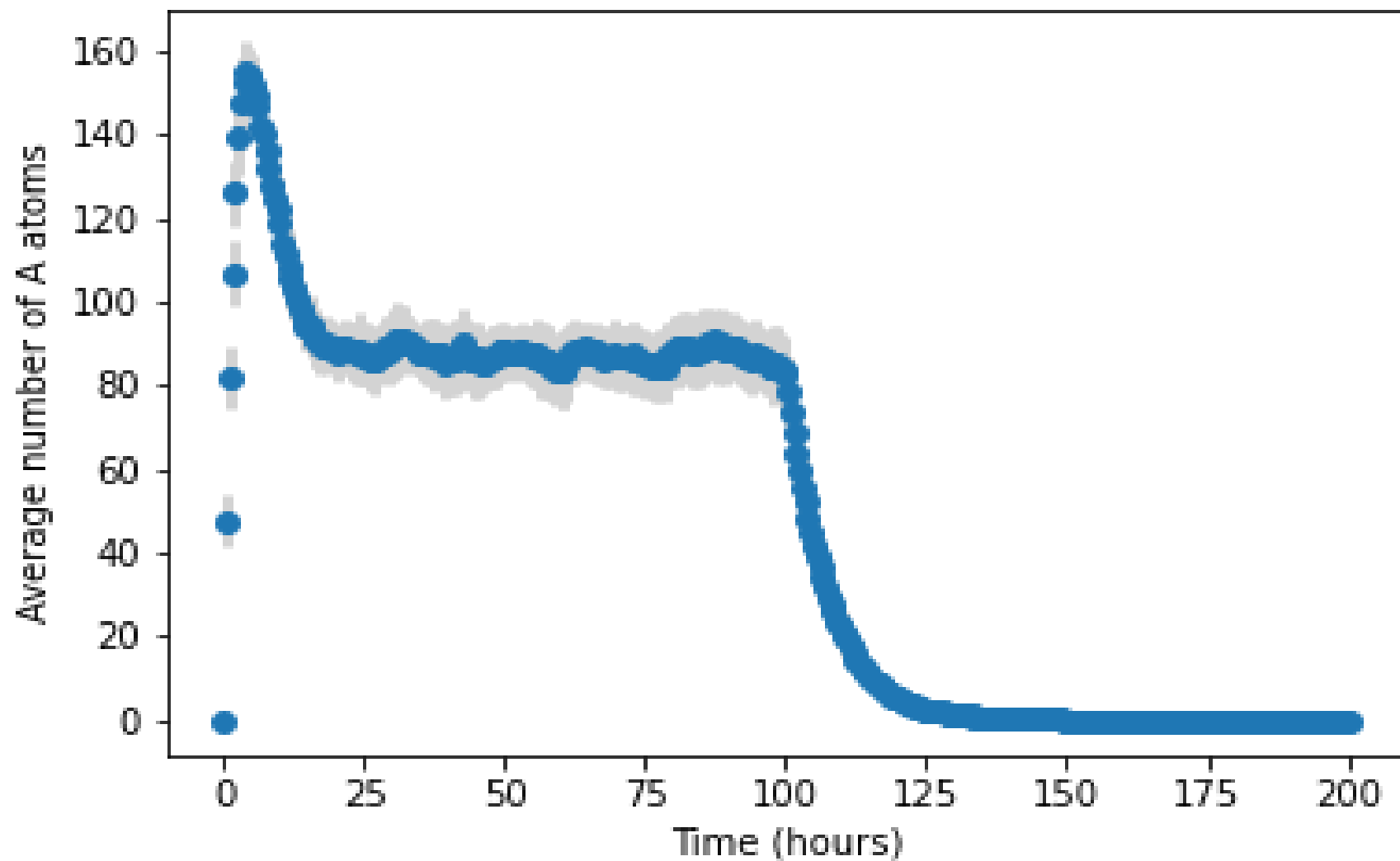
Range of a Projectile with/without Air Resistance



Evolution of Nuclei Counts over Time

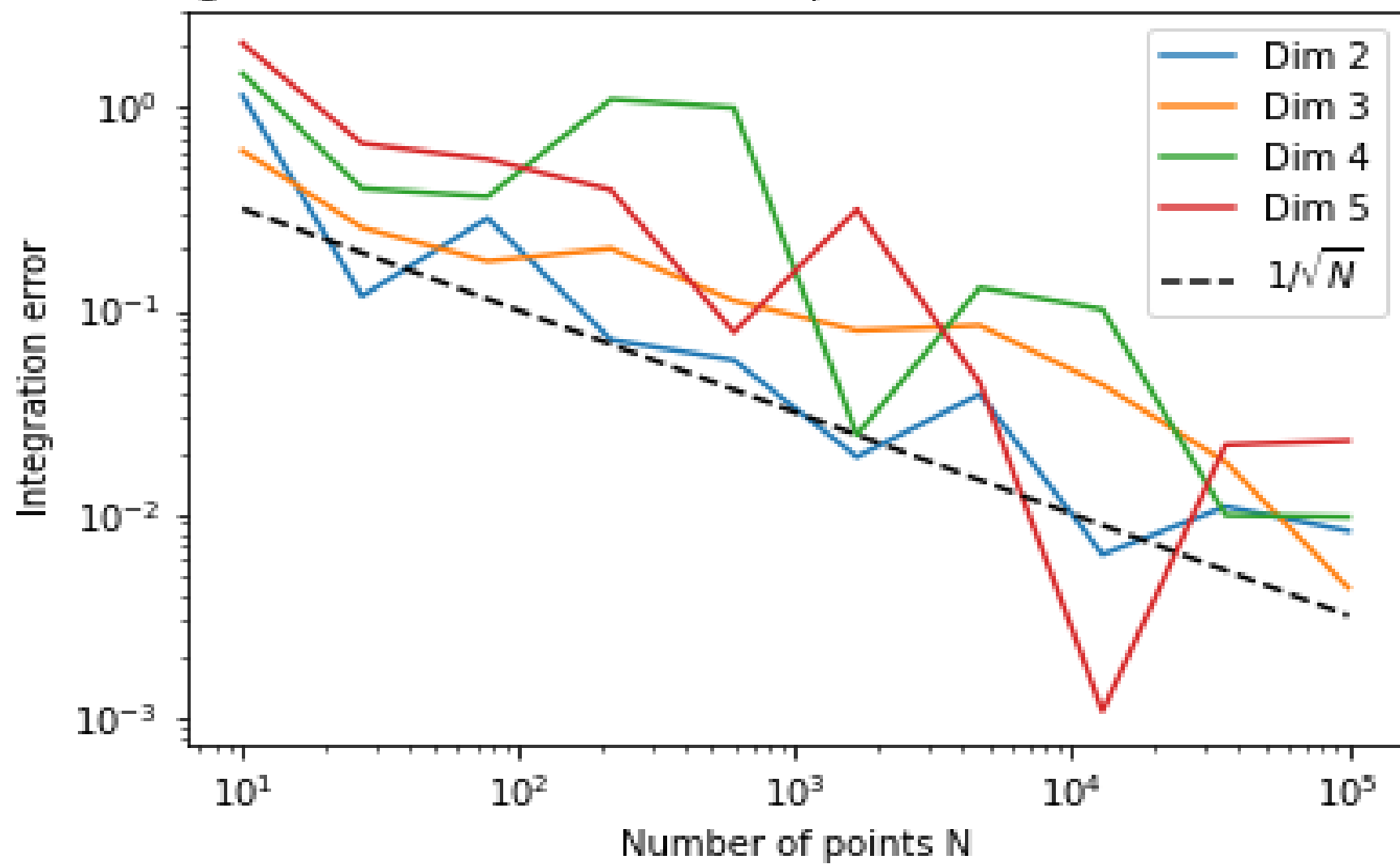


Average and Uncertainty of A Atoms over Time

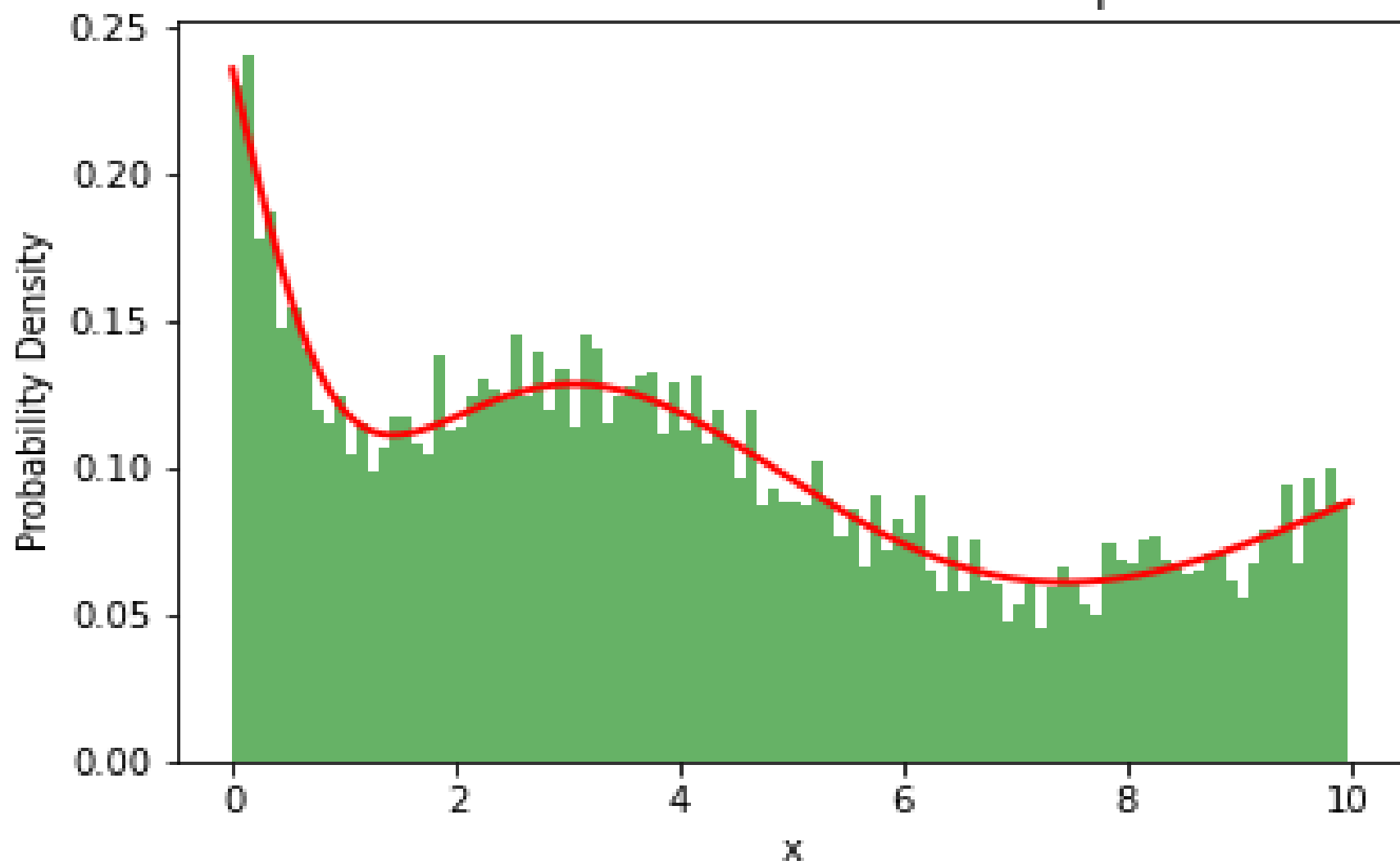




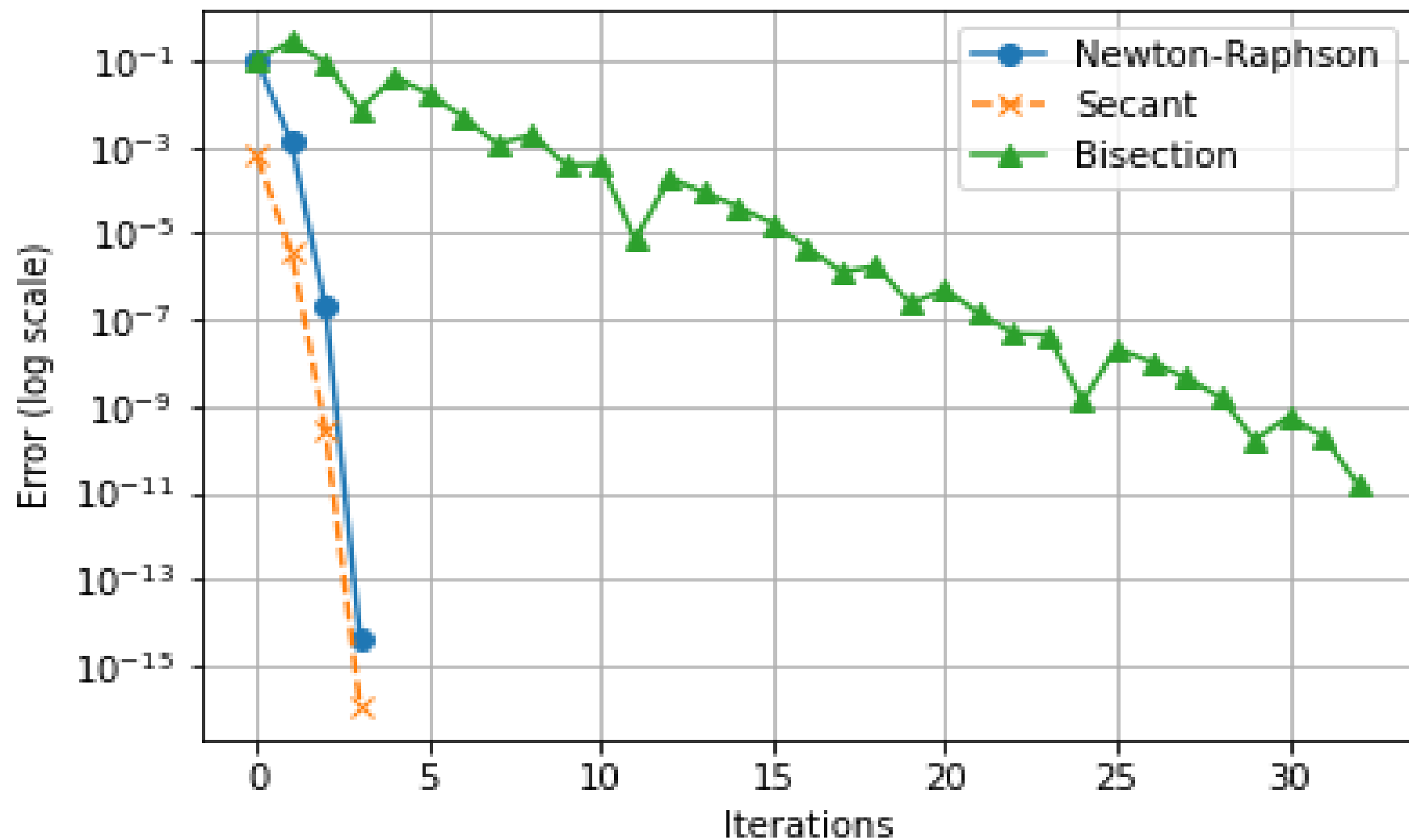
Integration error vs. Number of points for different dimensions



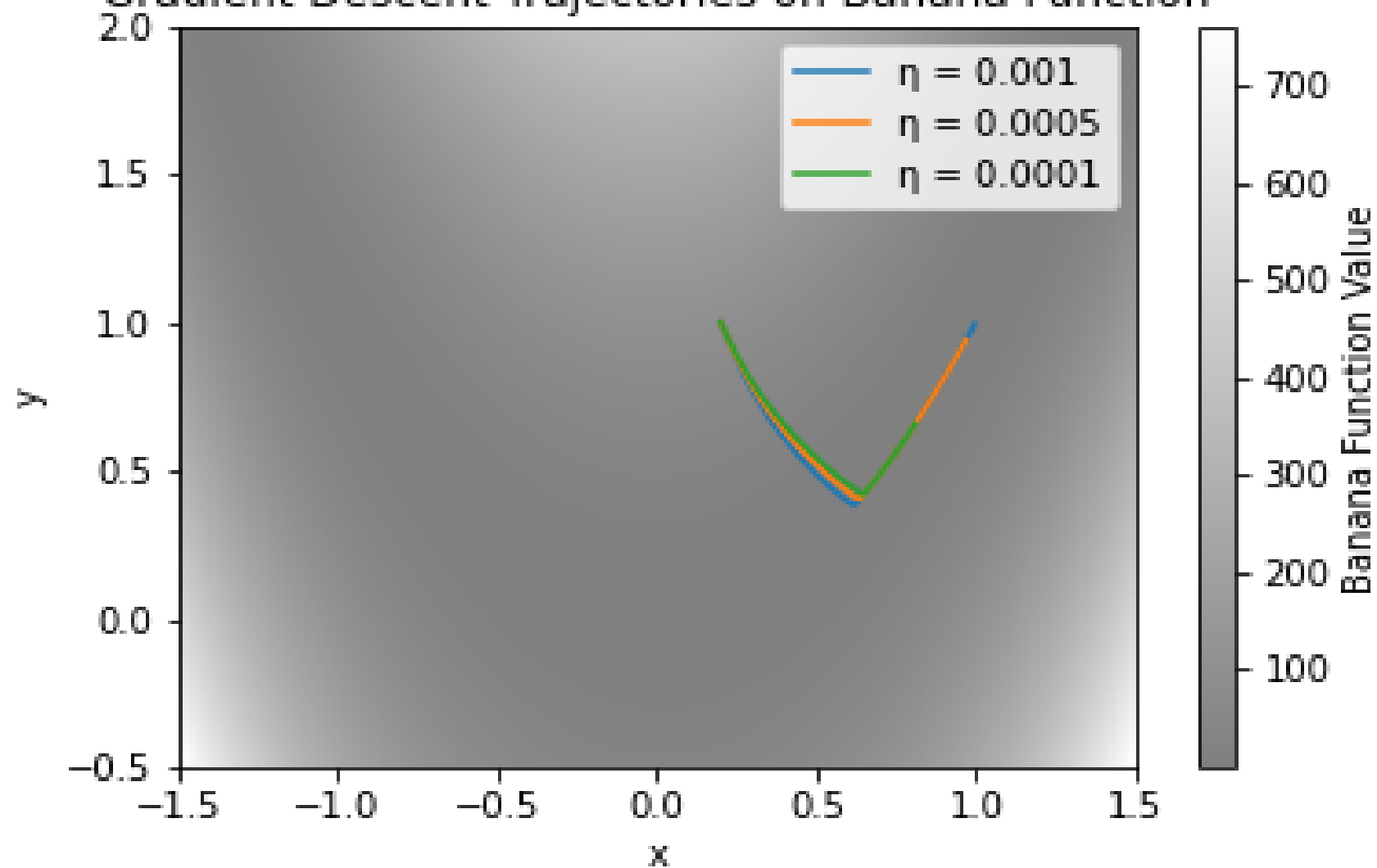
Distribution of Generated Sample



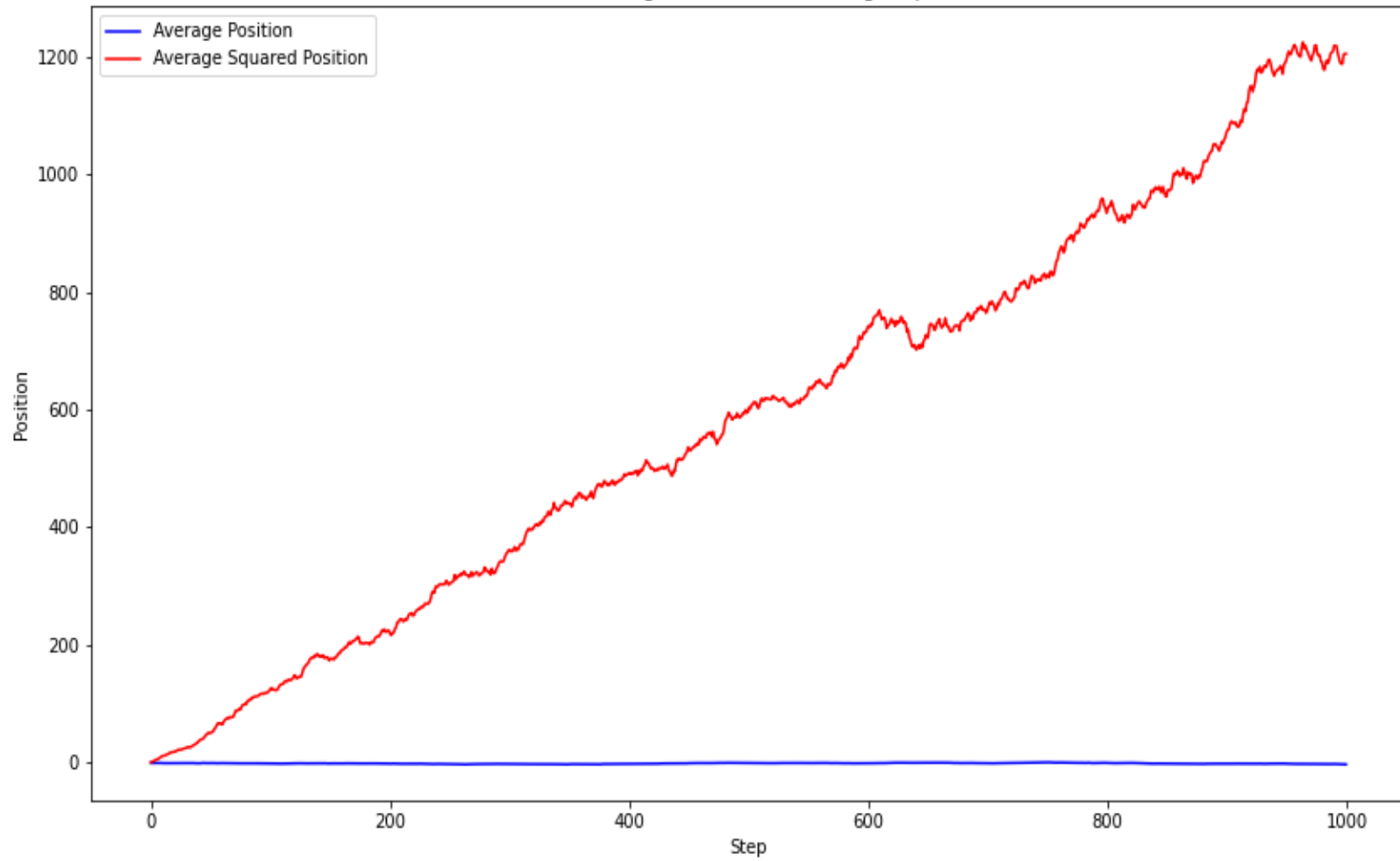
Convergence Comparison of Root Finding Methods



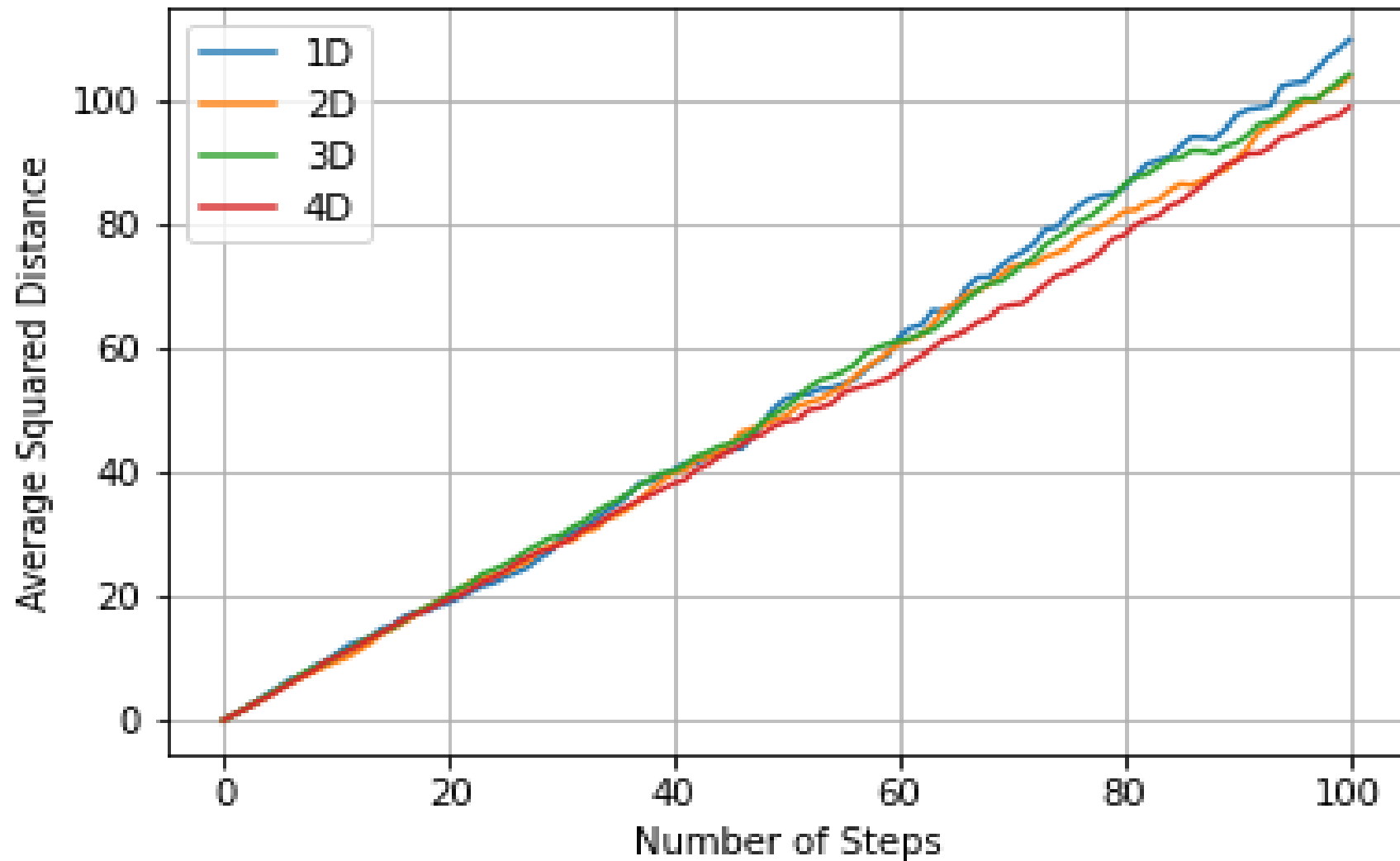
Gradient Descent Trajectories on Banana Function



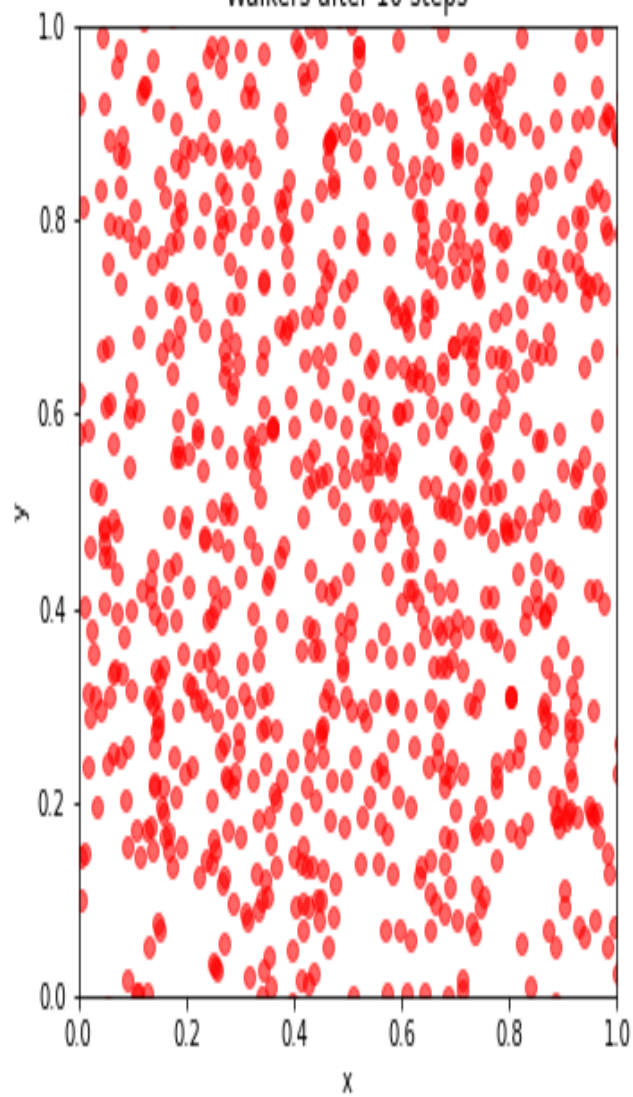
Random Walk: Average Position and Average Squared Position



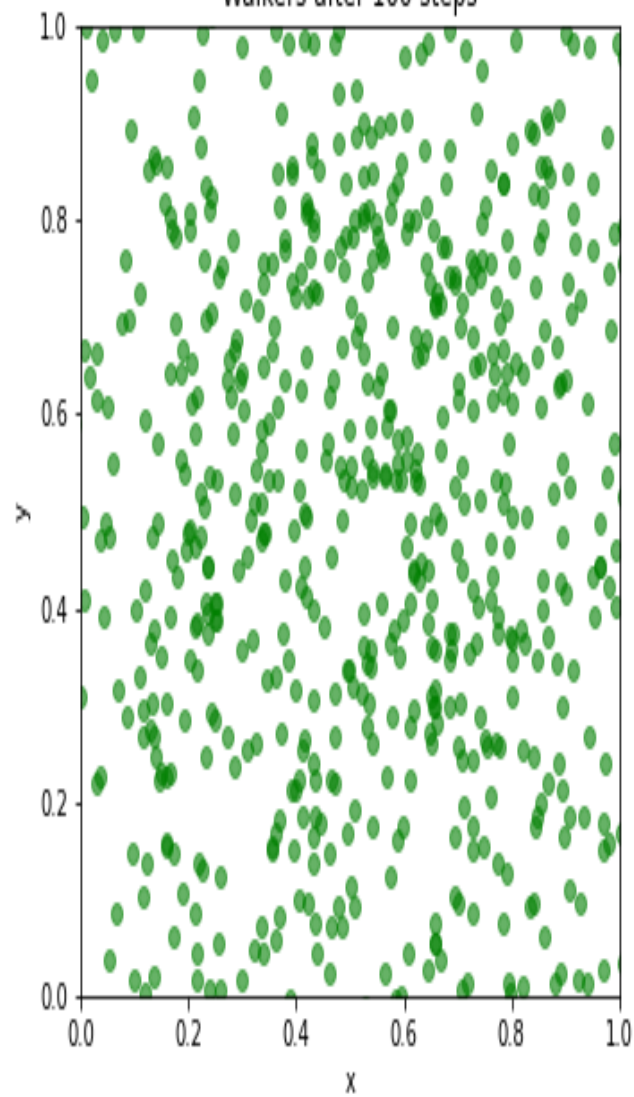
Average Squared Distance vs. Number of Steps for Different Dimension



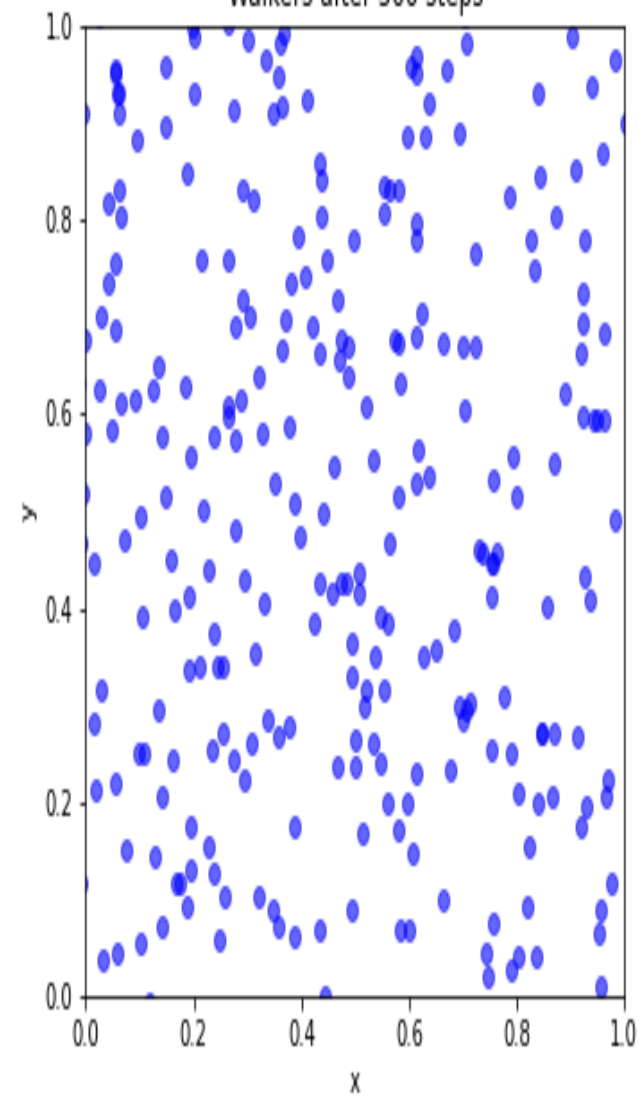
Walkers after 10 steps



Walkers after 100 steps



Walkers after 500 steps



AI?