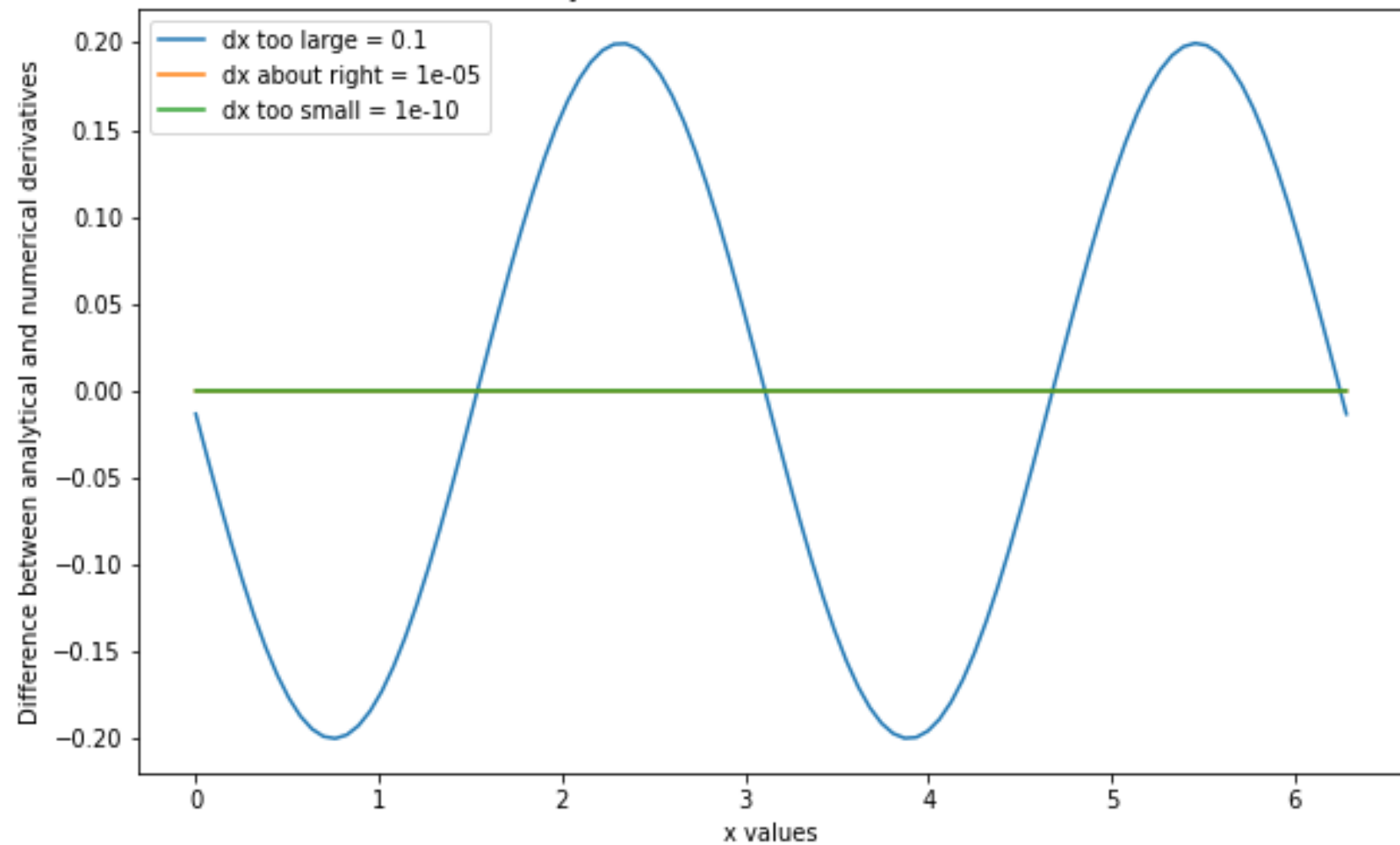
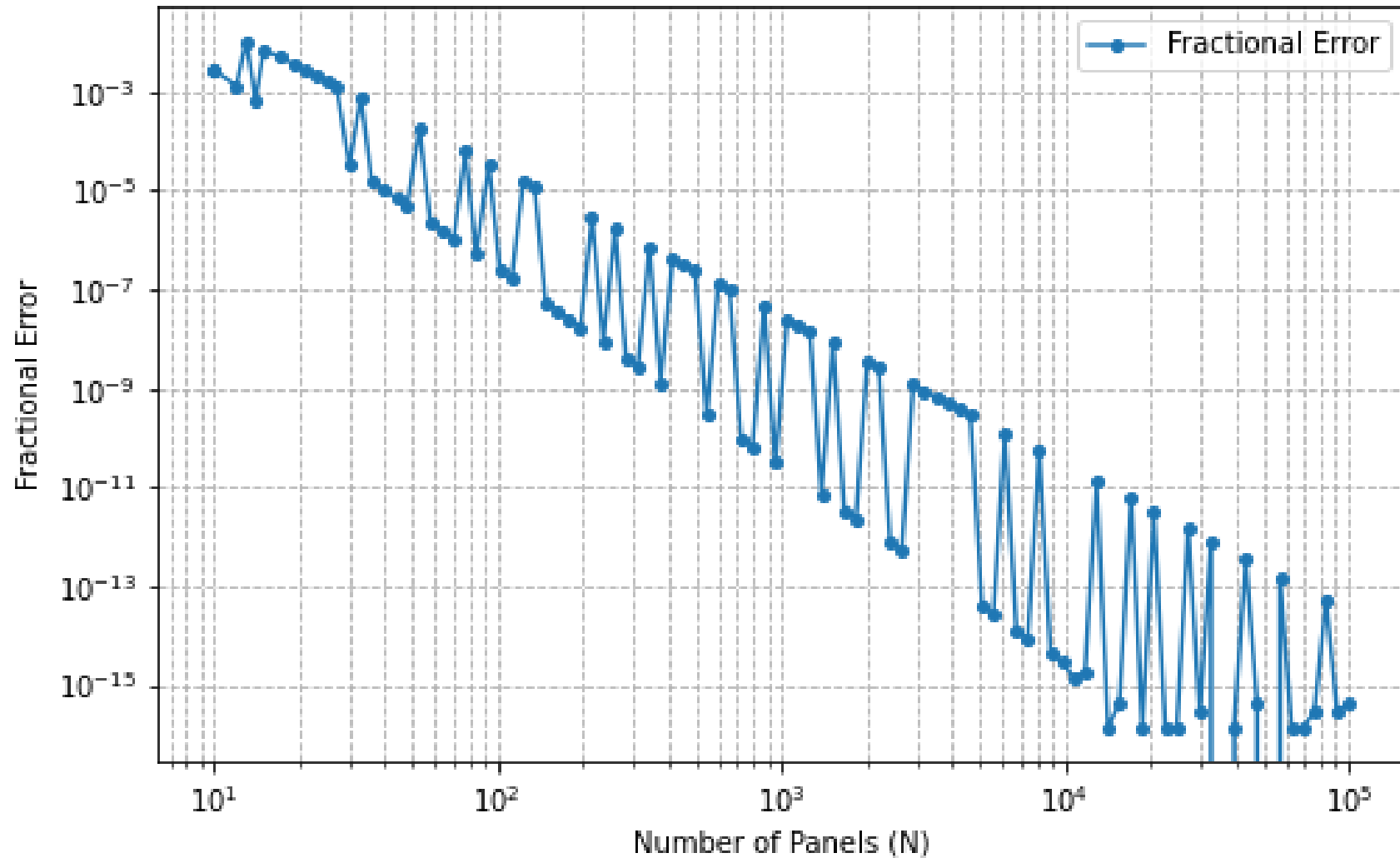


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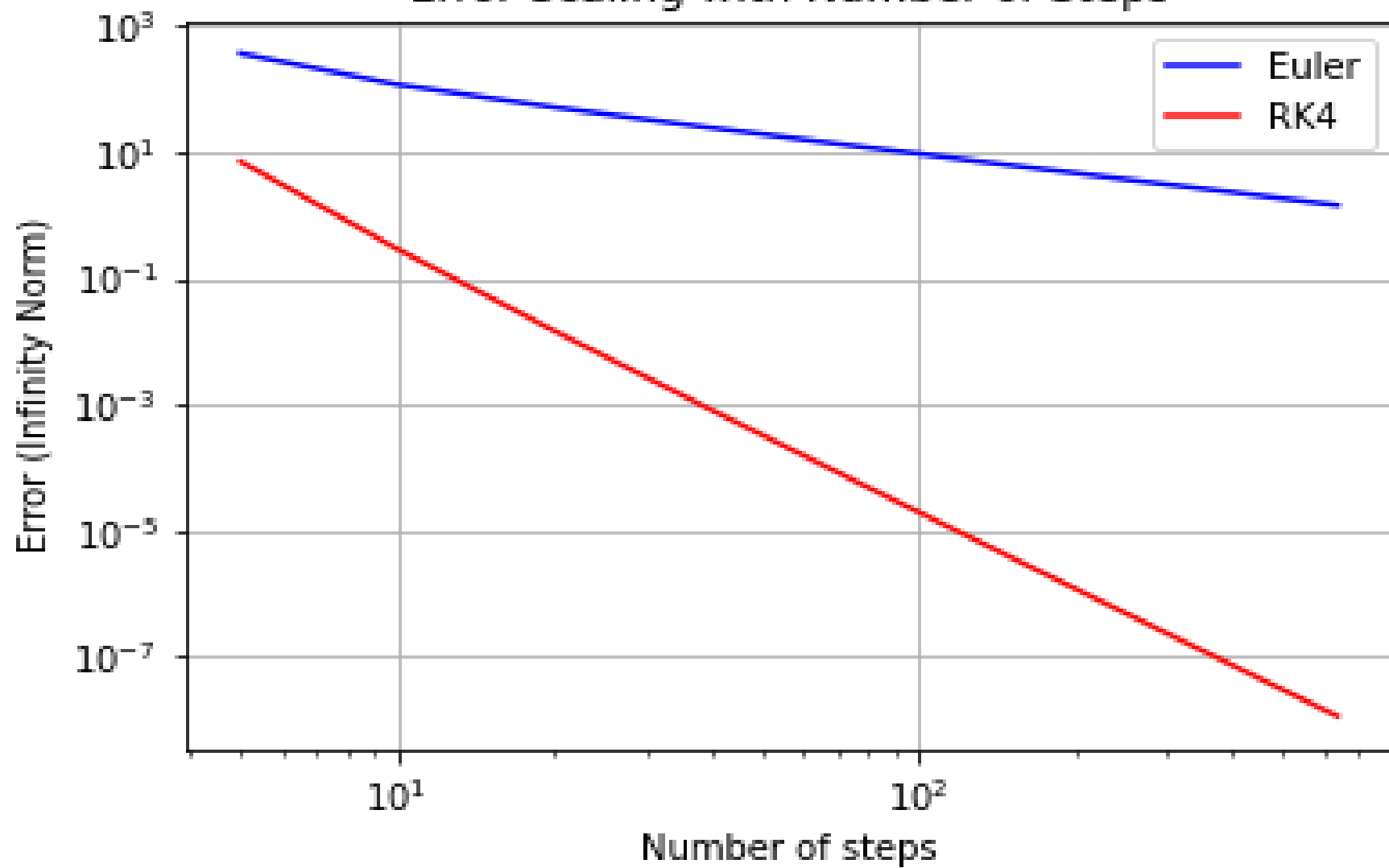
Difference between Analytical and Numerical Derivatives for various dx values



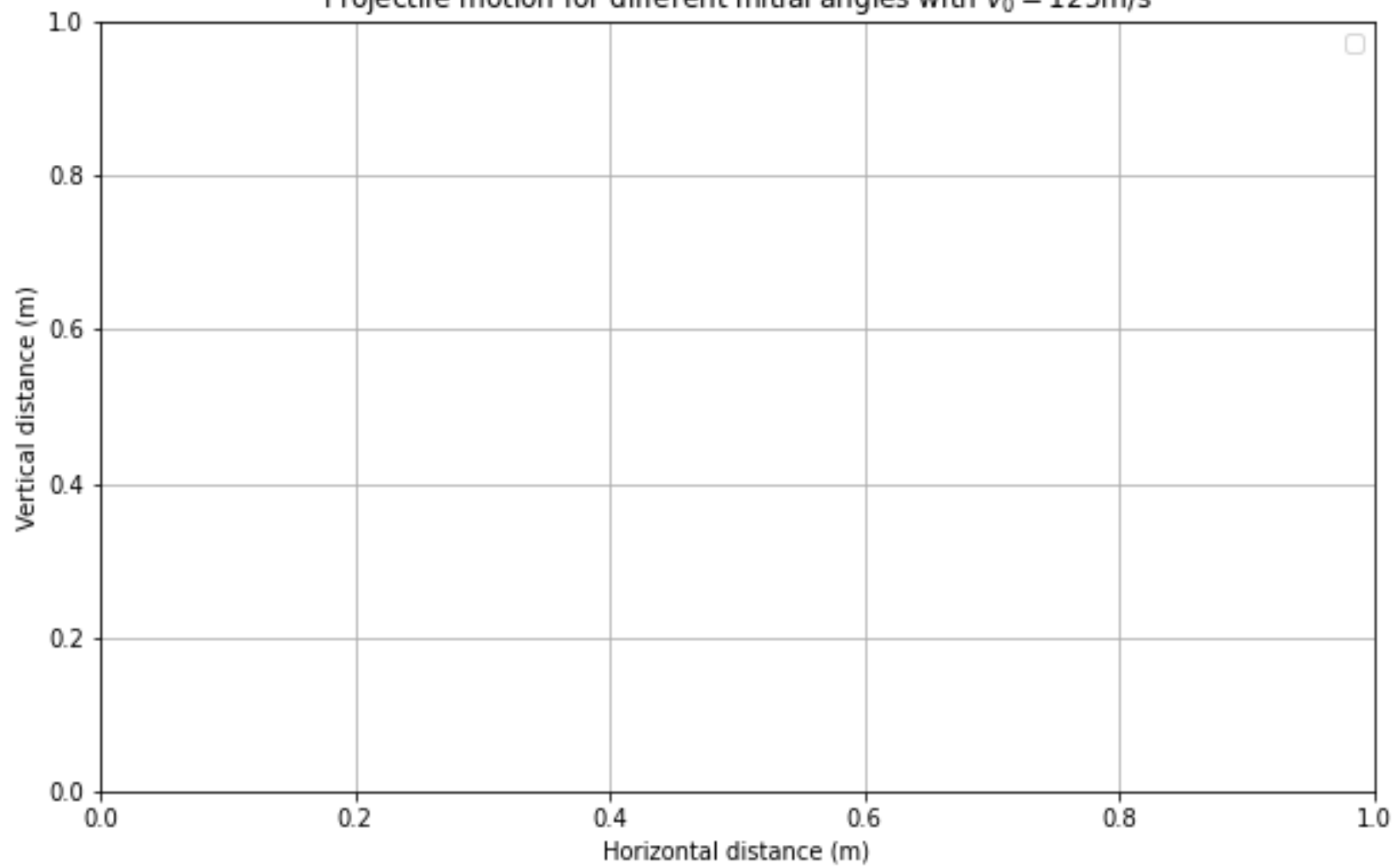
Log-Log Plot of Fractional Error in Simpson's Rule Integration



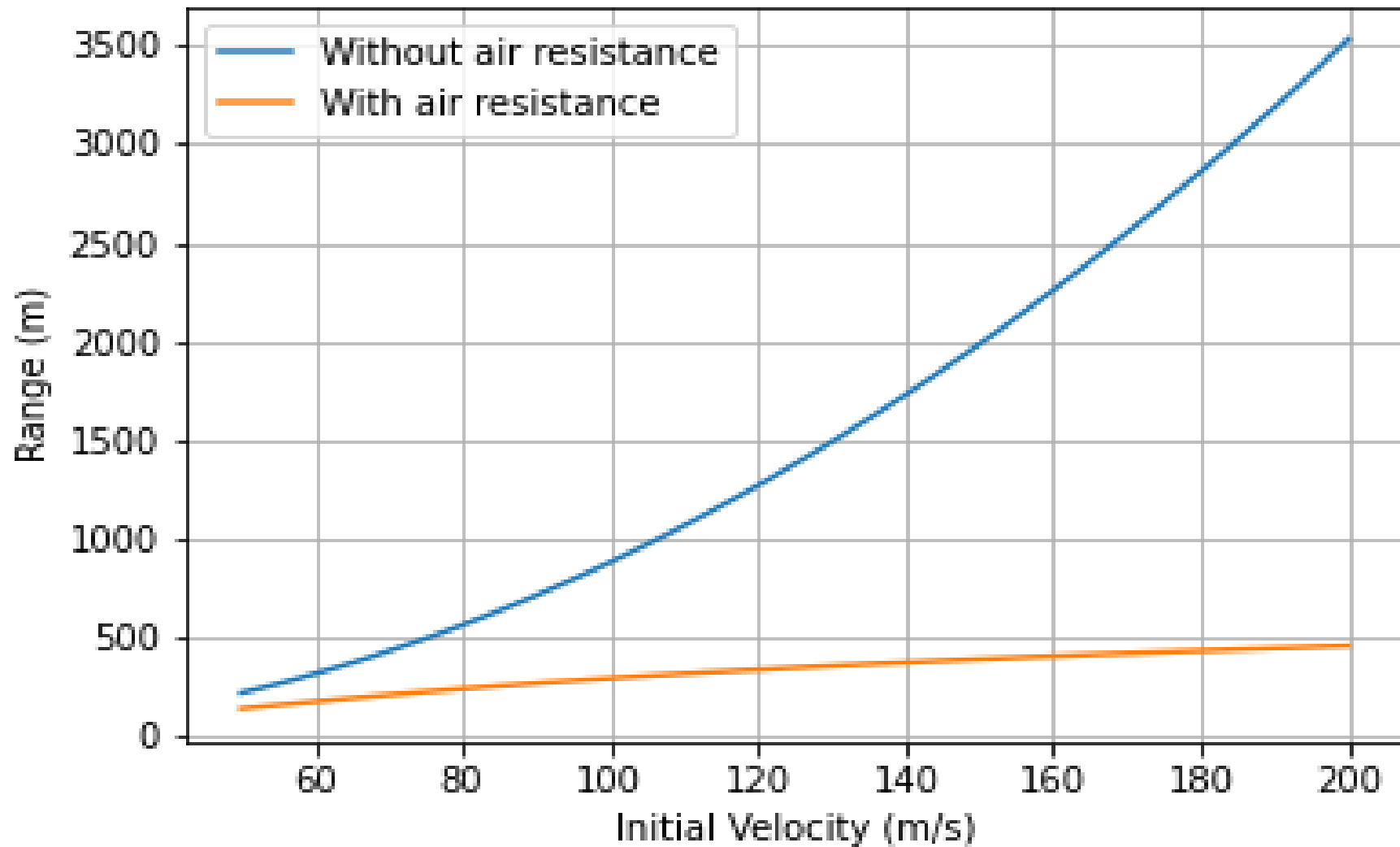
Error Scaling with Number of Steps



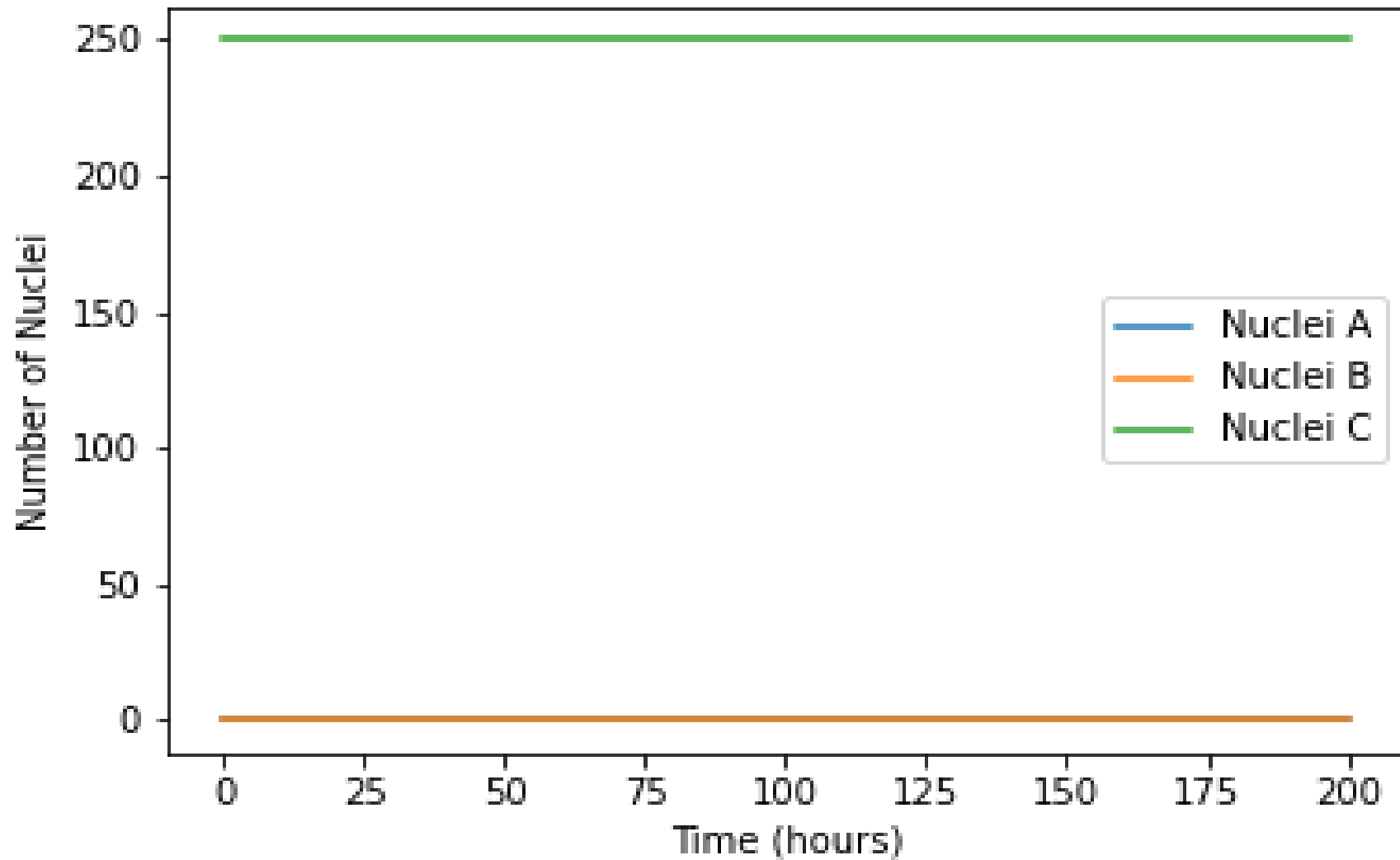
Projectile motion for different initial angles with $v_0 = 125\text{m/s}$



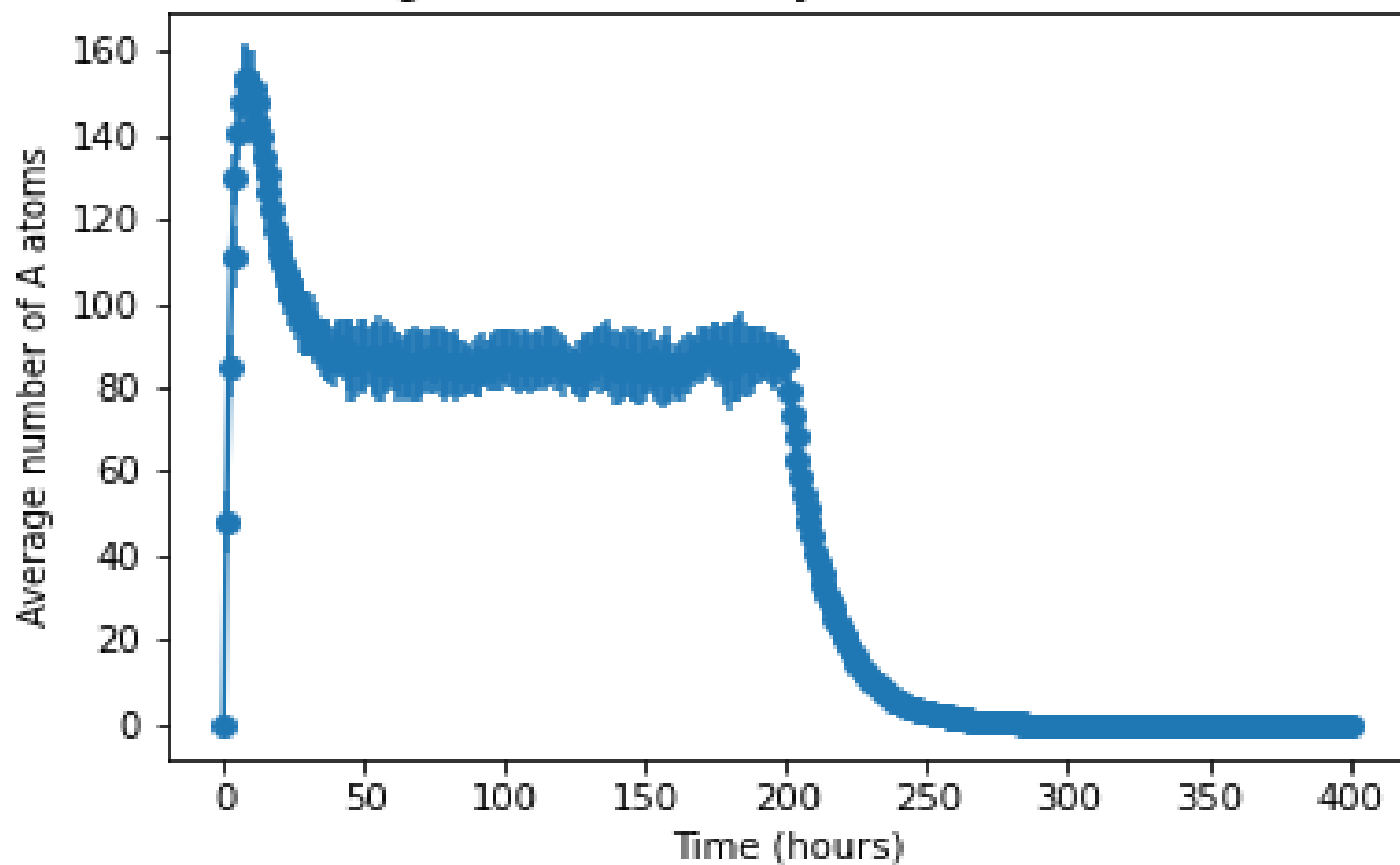
Projectile Range vs Initial Velocity at 60°



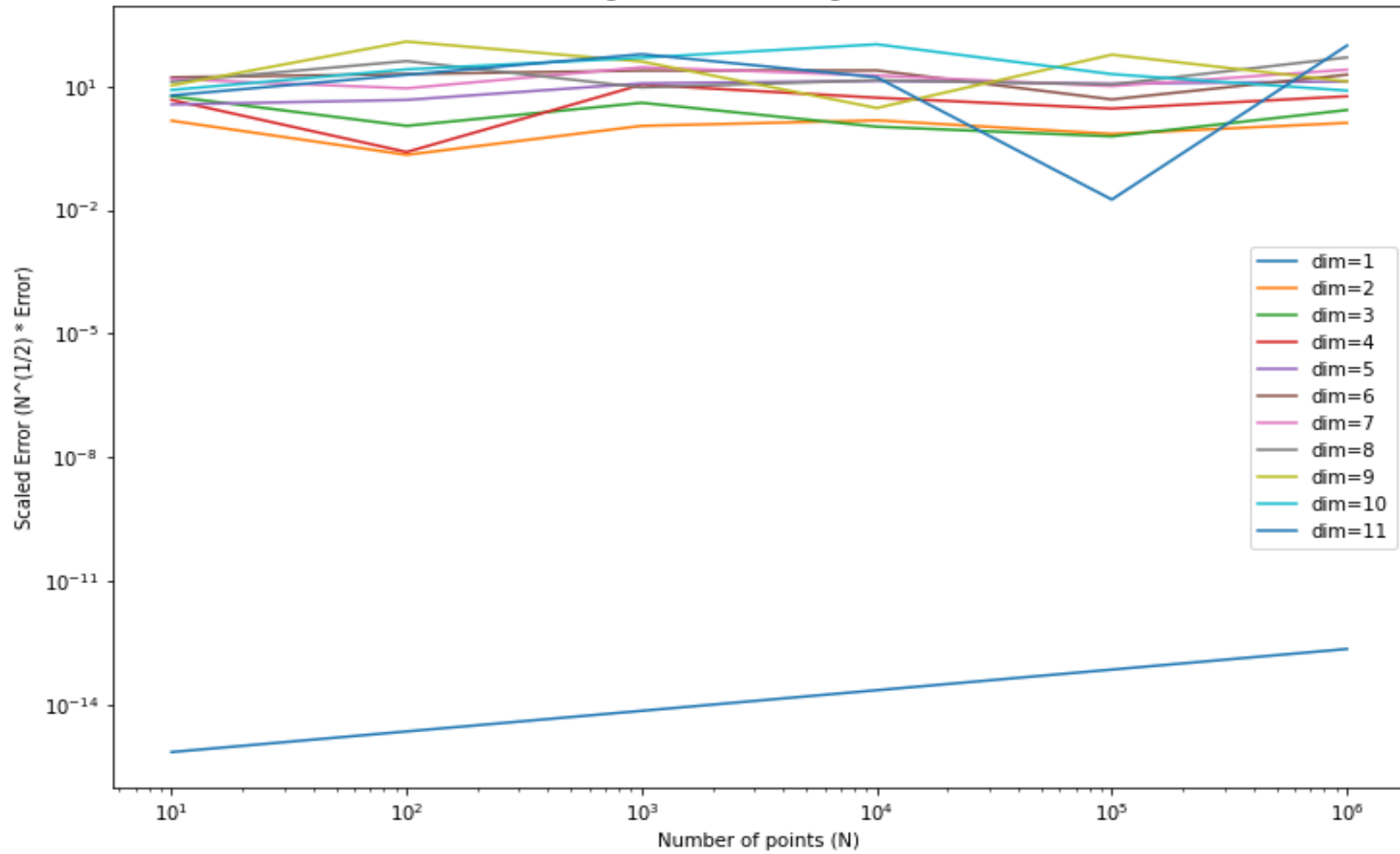
Radioactive Decay with and without Neutron Flux



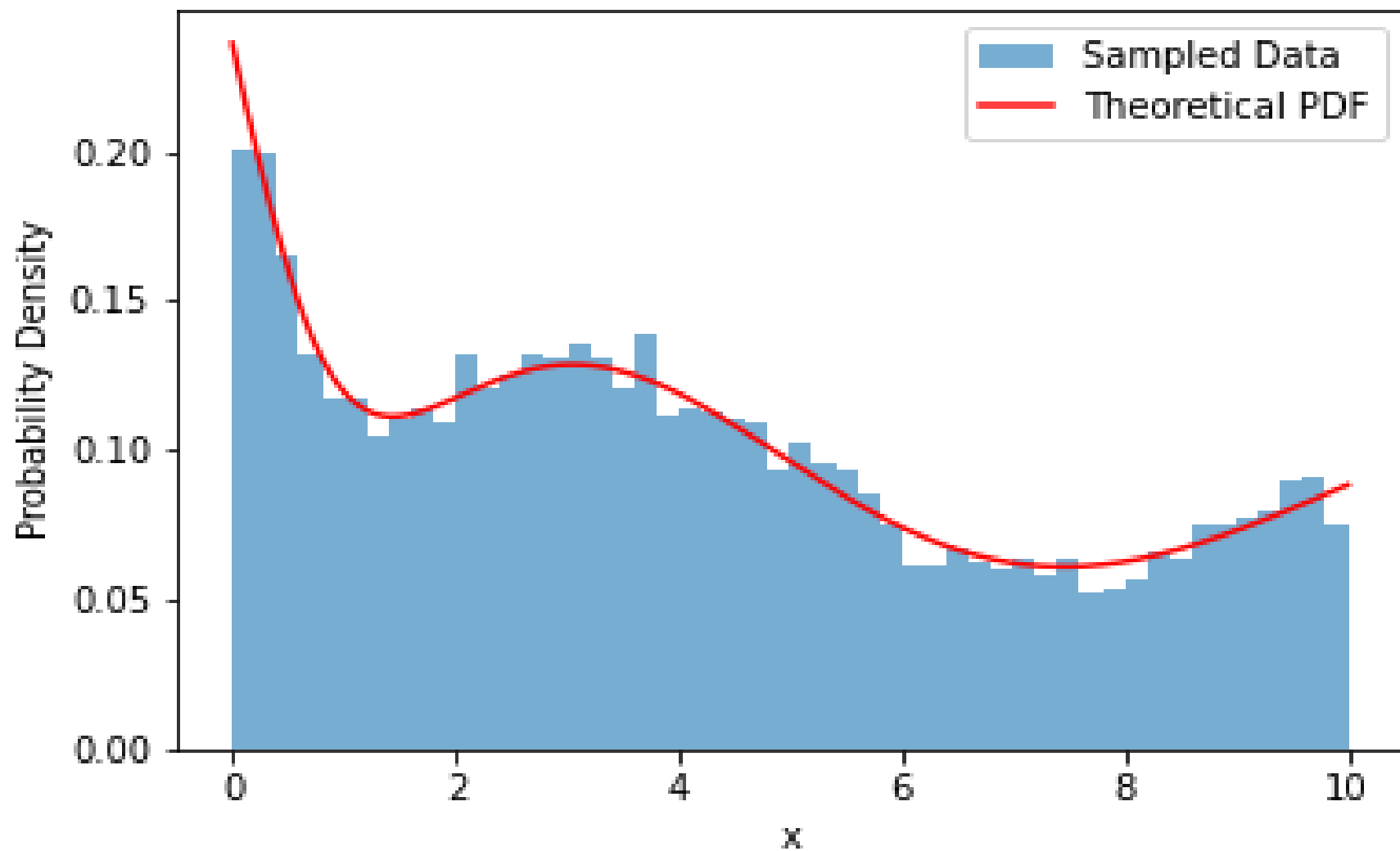
Average and uncertainty of A atoms over time



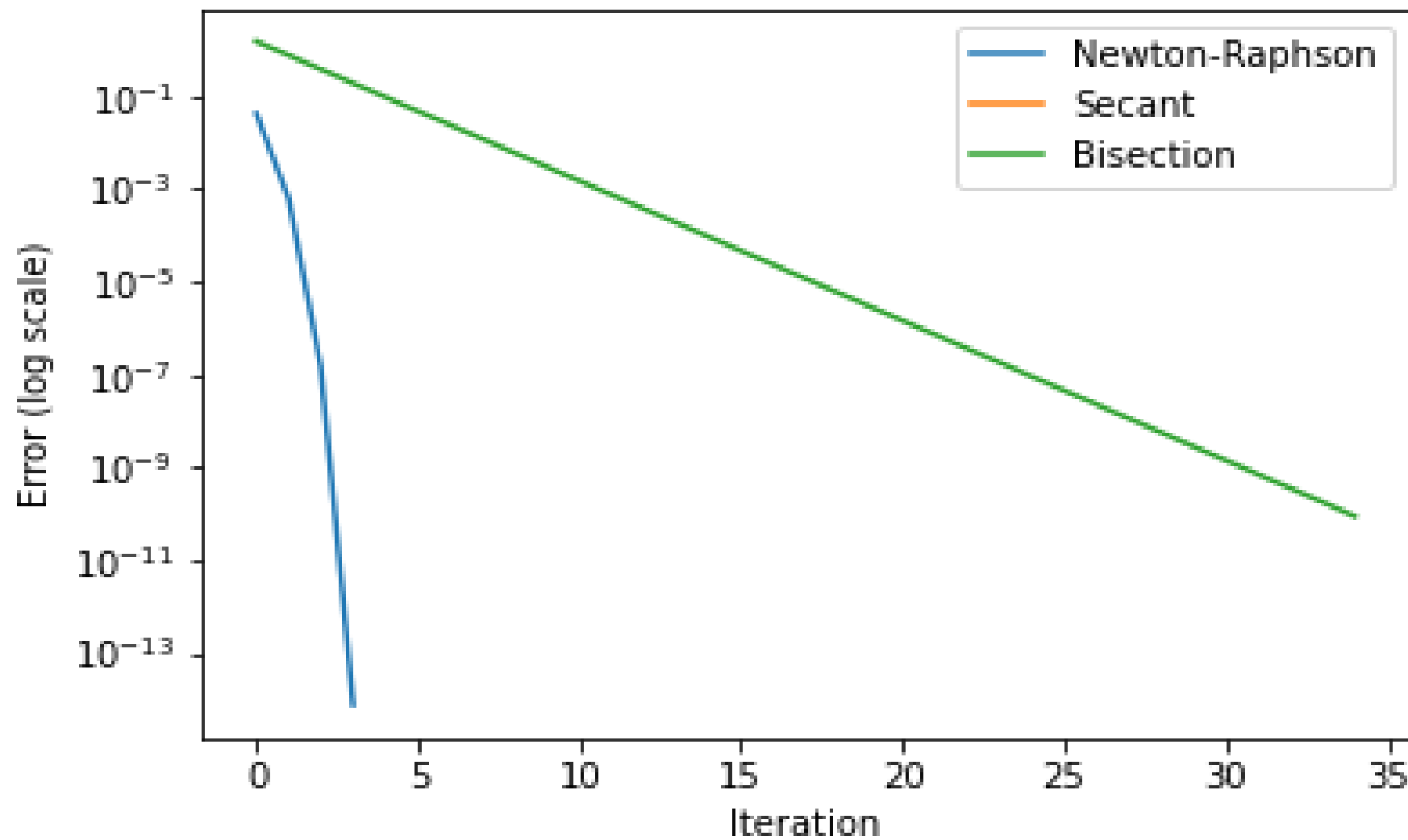
Monte Carlo Integration Error Scaling with Number of Points



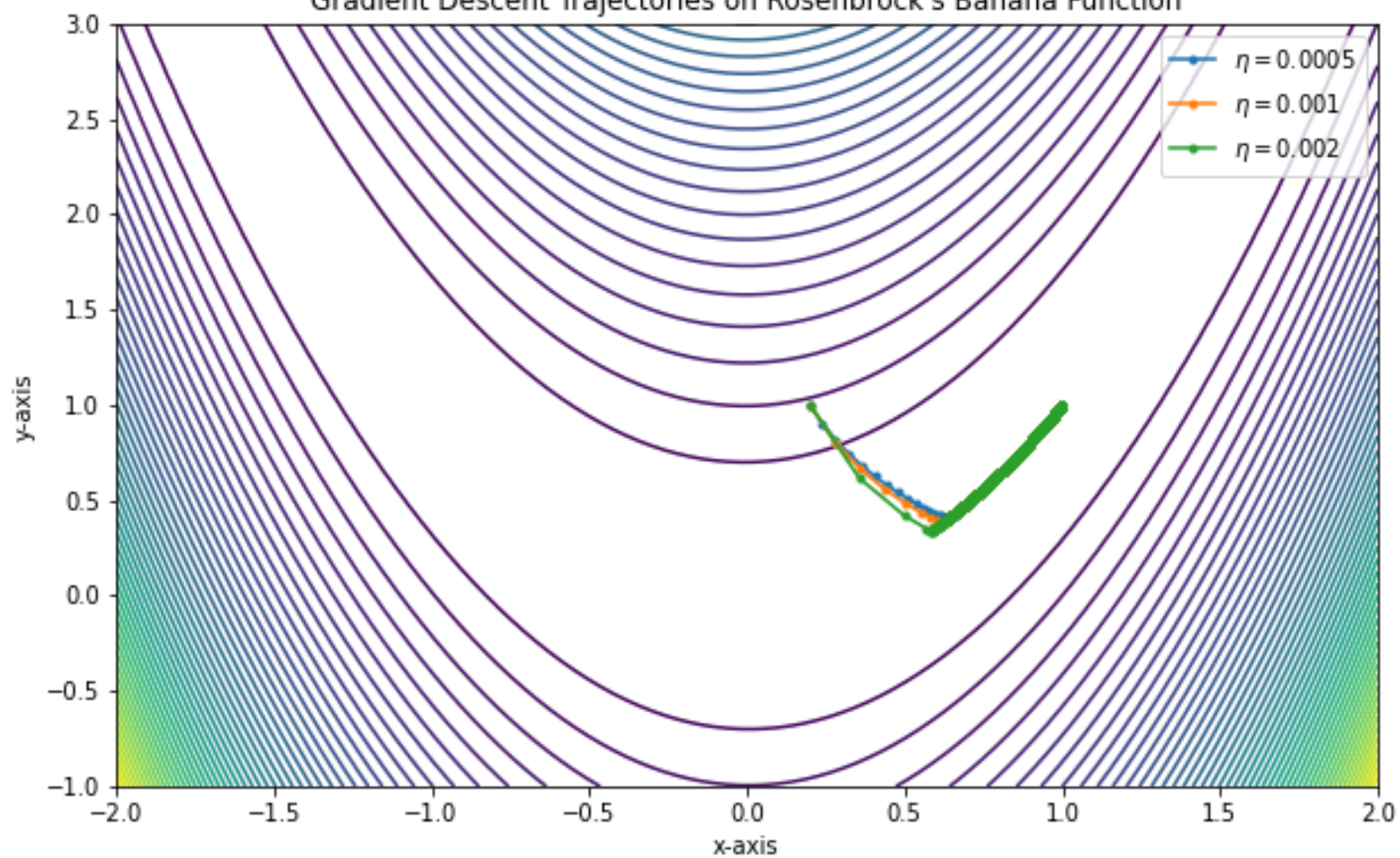
Distribution of Sampled Values According to The Given PDF



Convergence Comparison



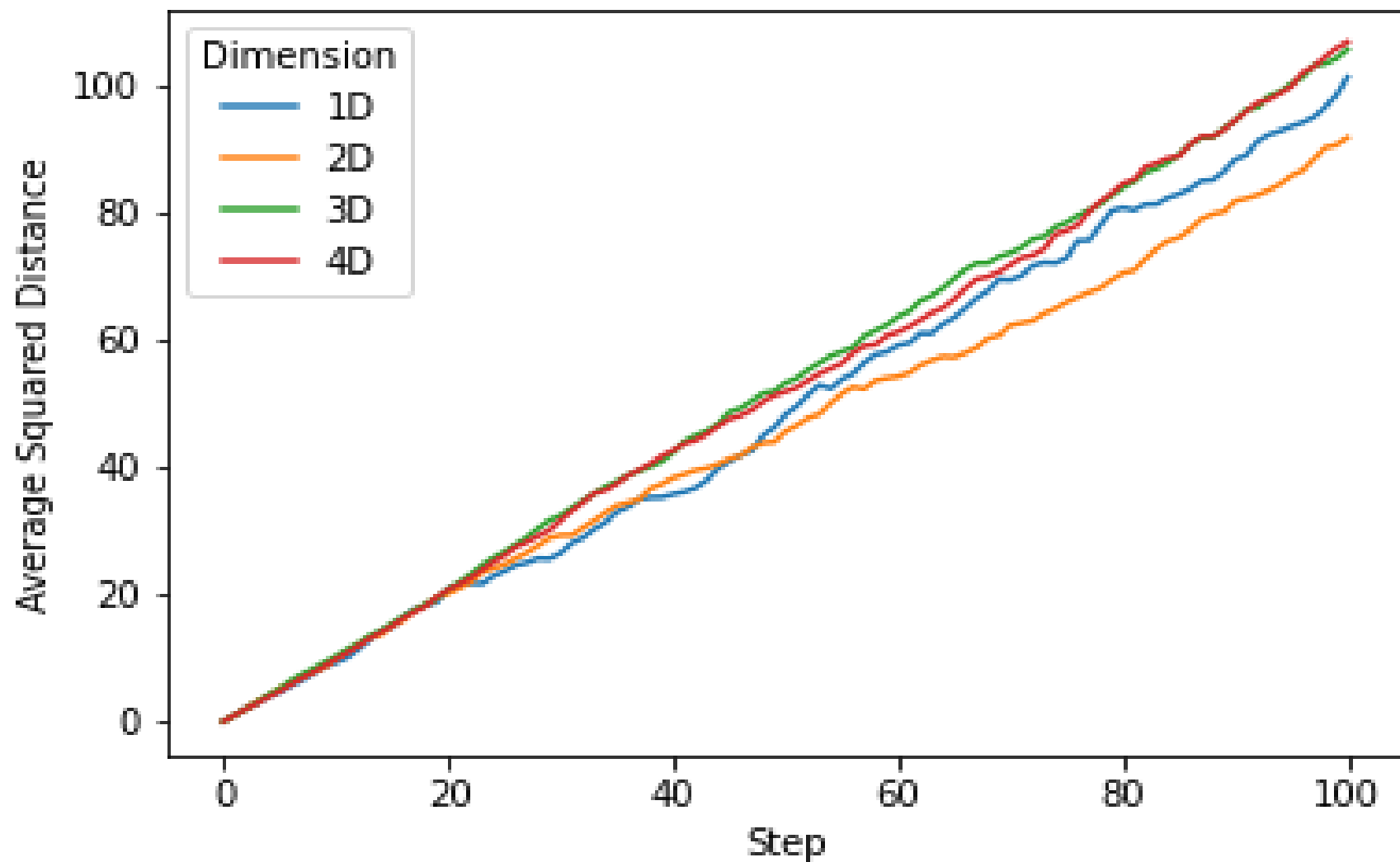
Gradient Descent Trajectories on Rosenbrock's Banana Function



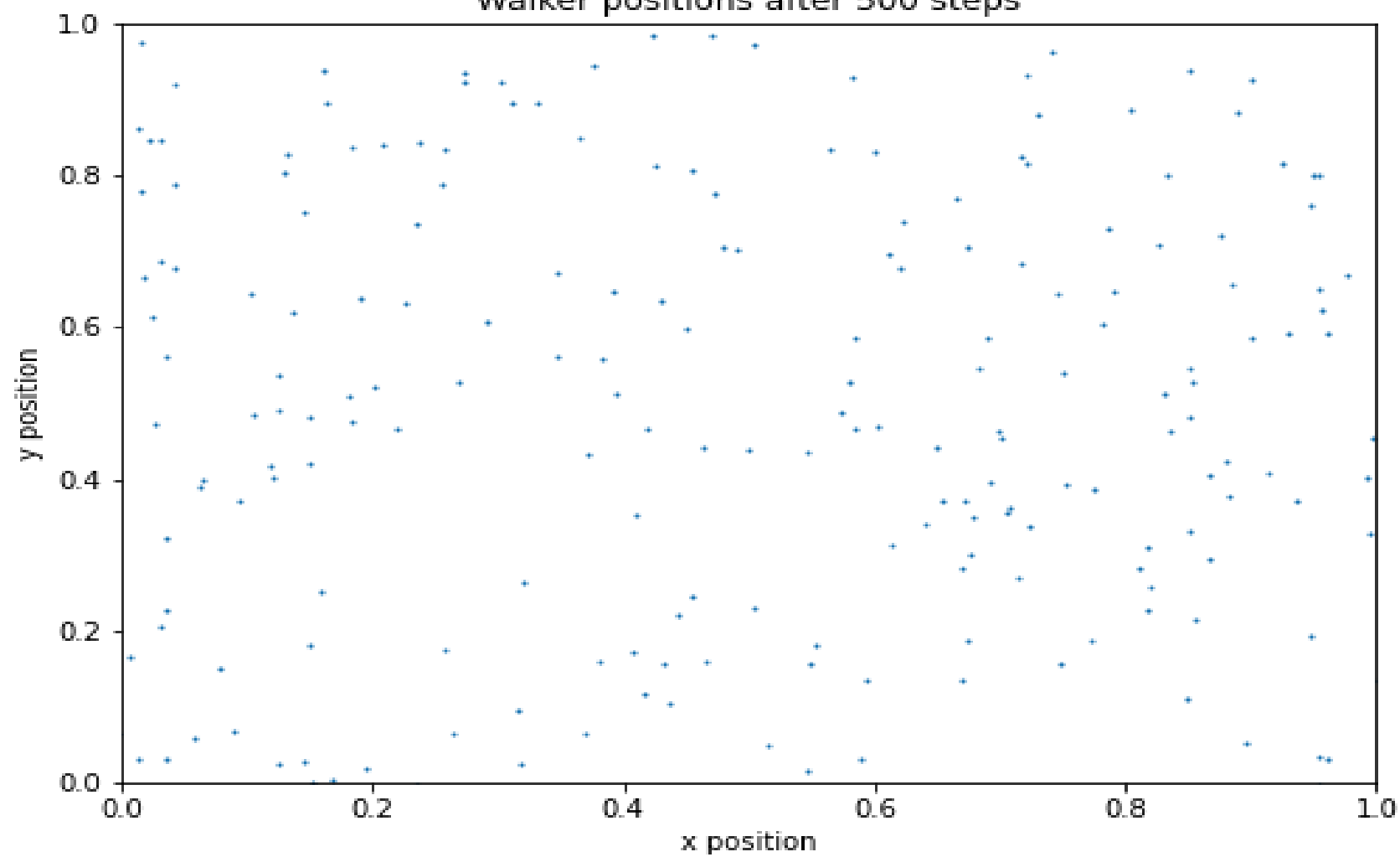
Average Position and Average Squared Position of 100 1D Walkers Over 1000 Steps



Average Squared Distance Scaling with Dimensions



Walker positions after 500 steps



AI?