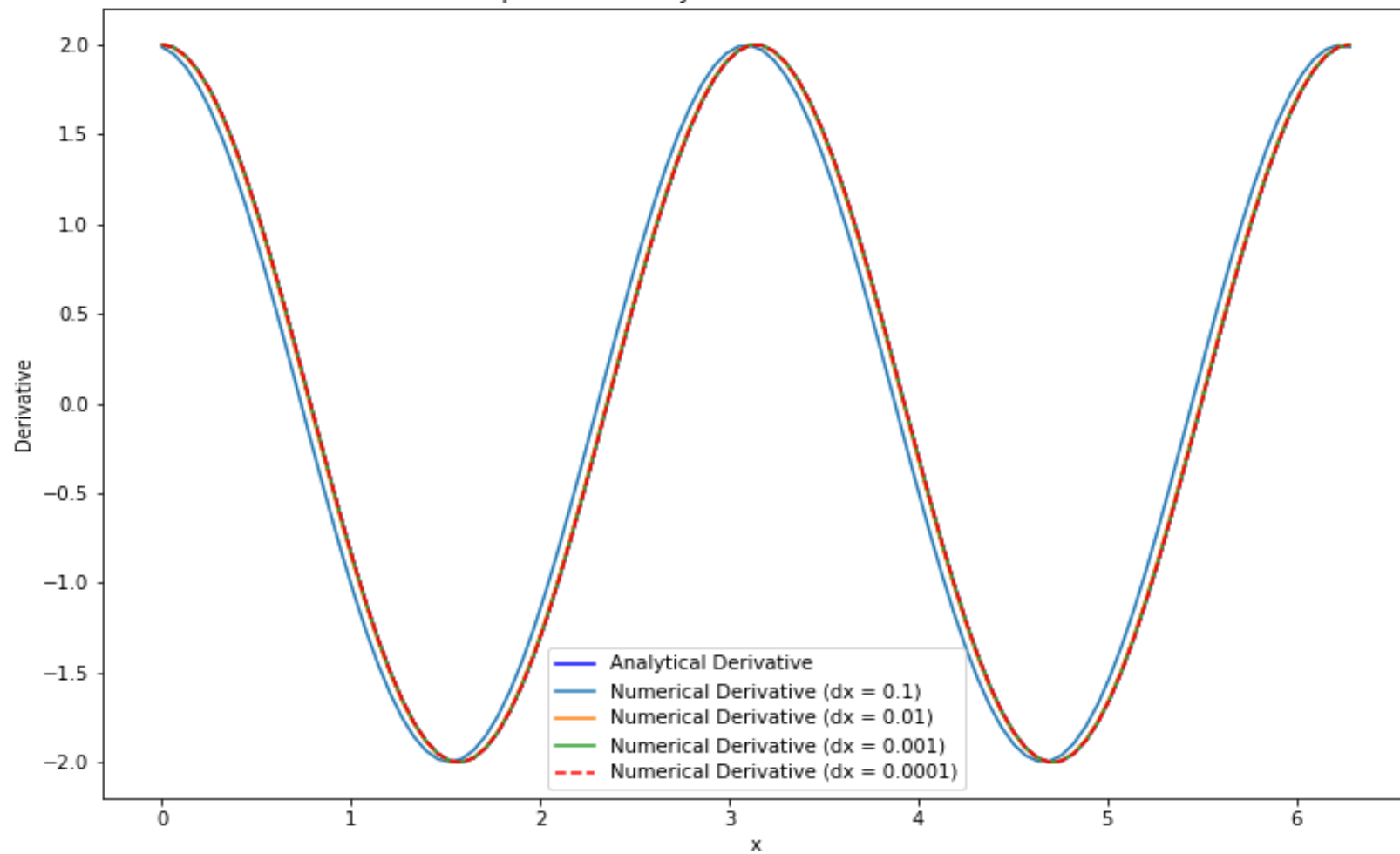
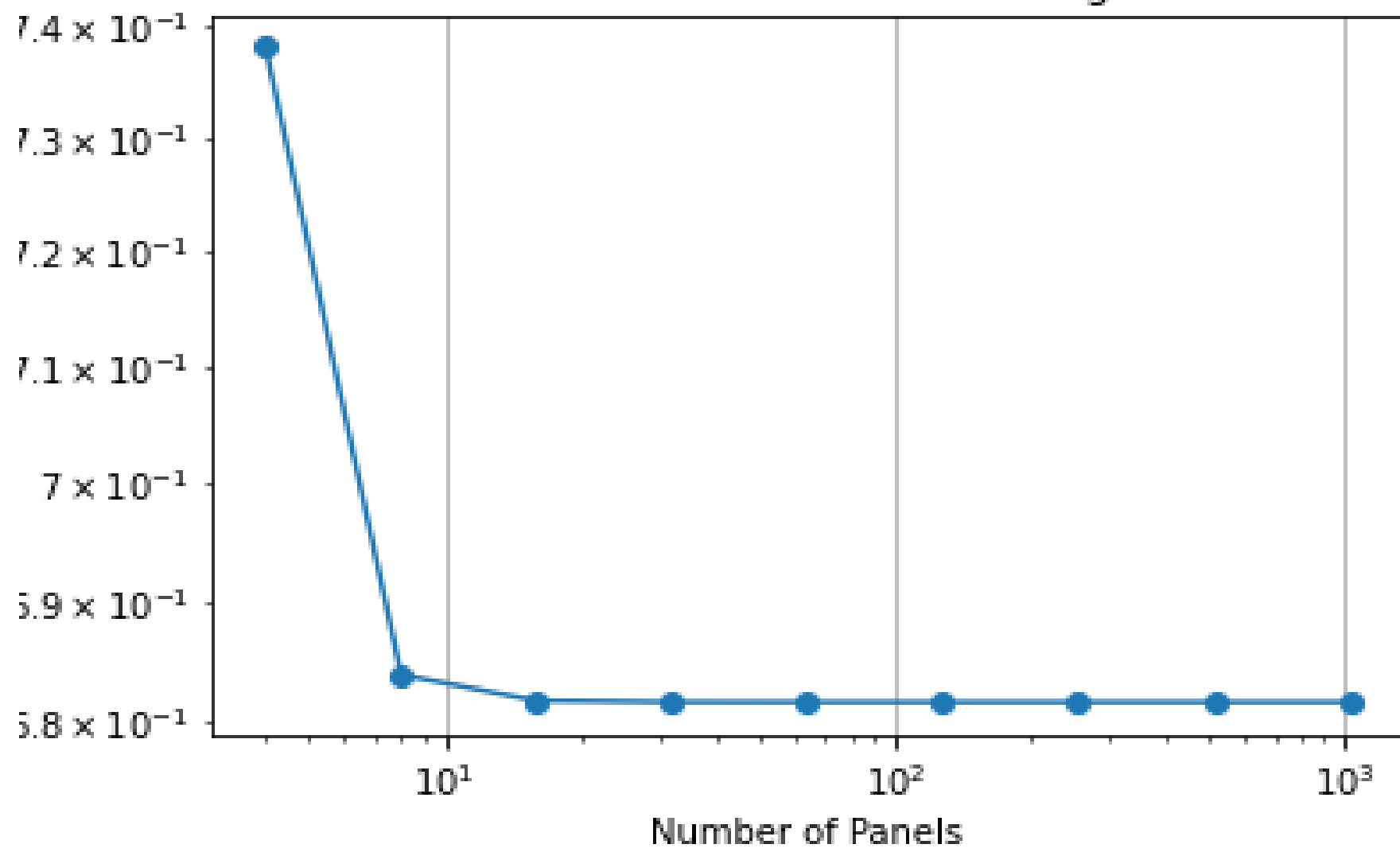


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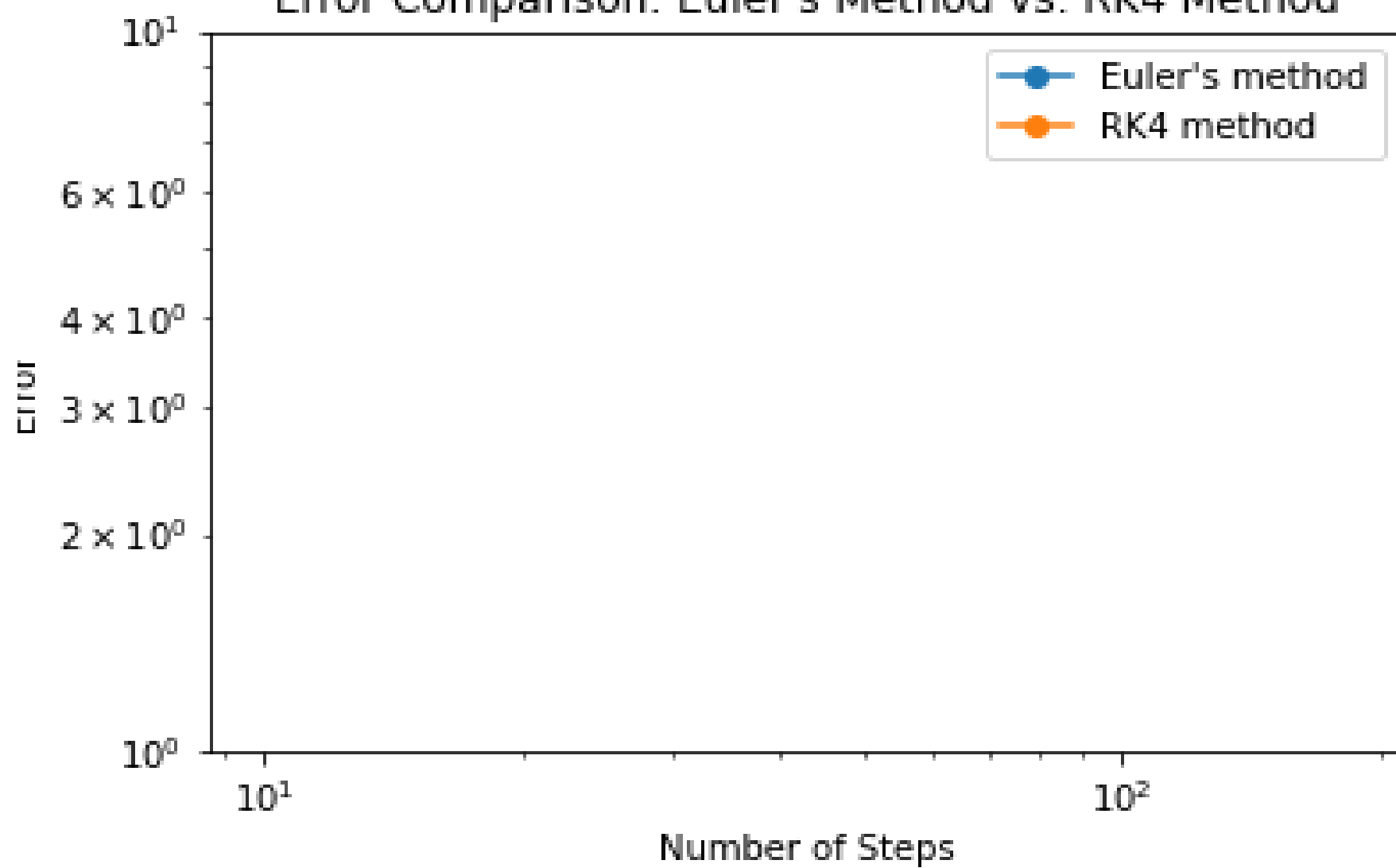
Comparison of Analytical and Numerical Derivatives



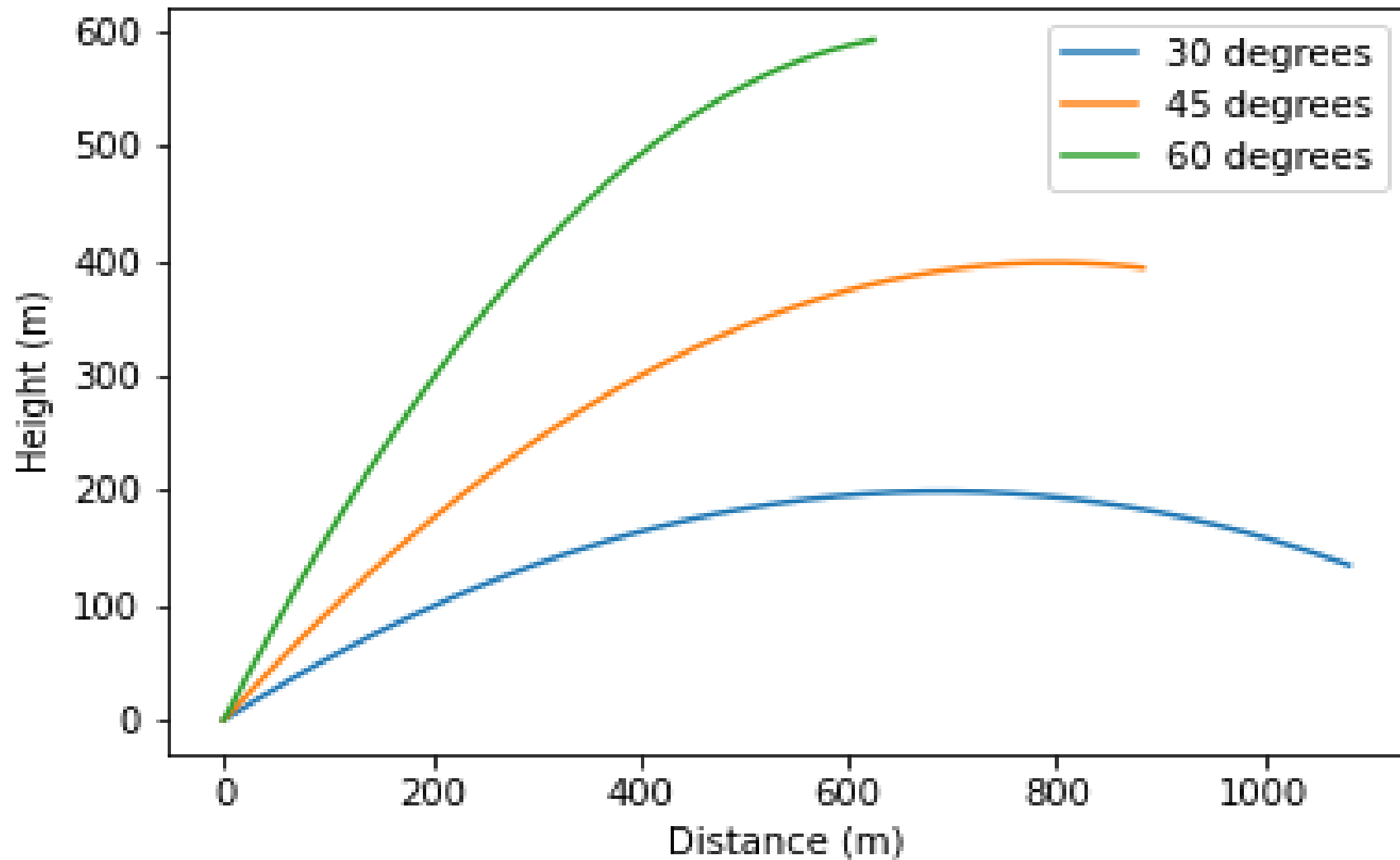
Fractional Error in Numerical Integration



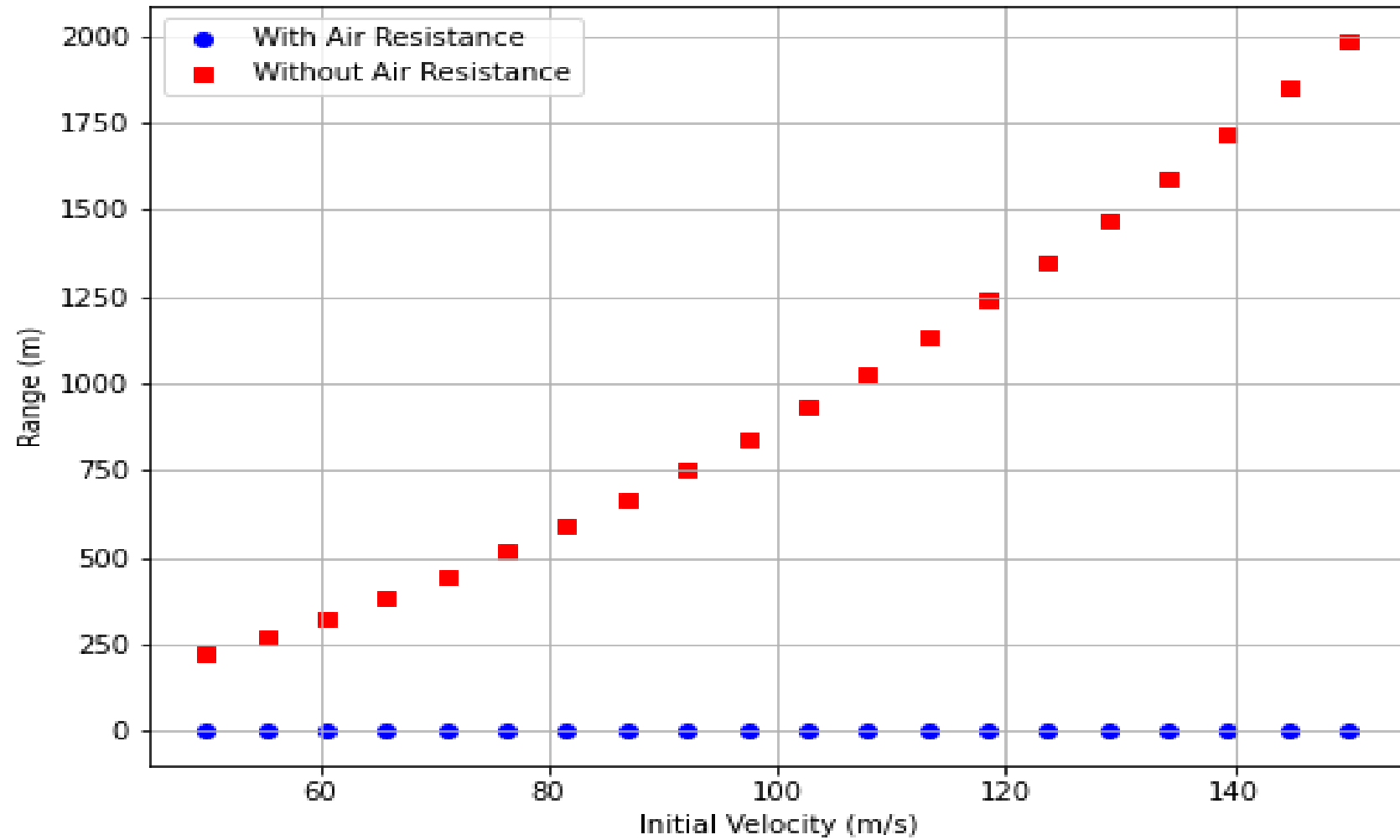
Error Comparison: Euler's Method vs. RK4 Method



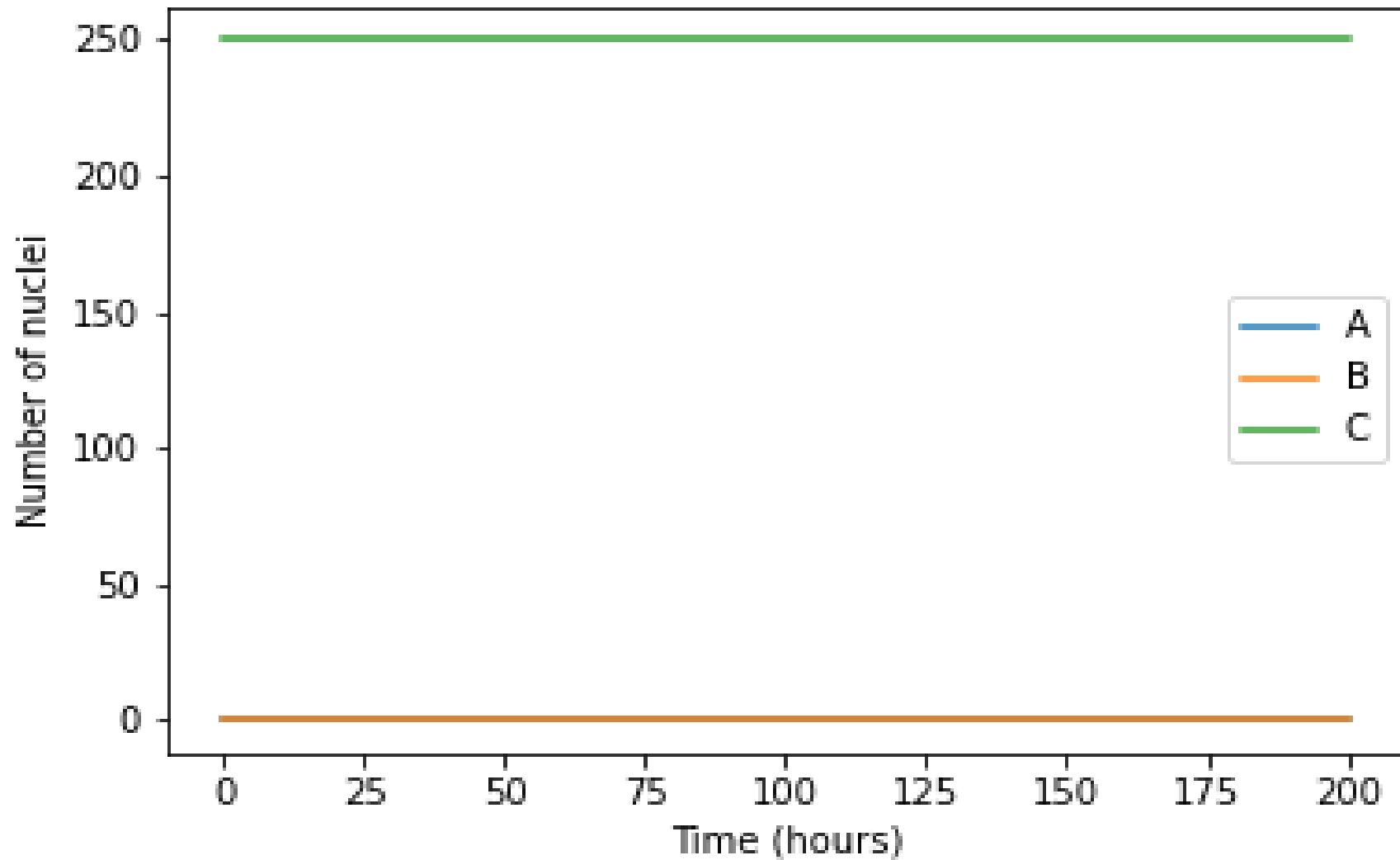
Projectile Trajectories for Different Initial Angles



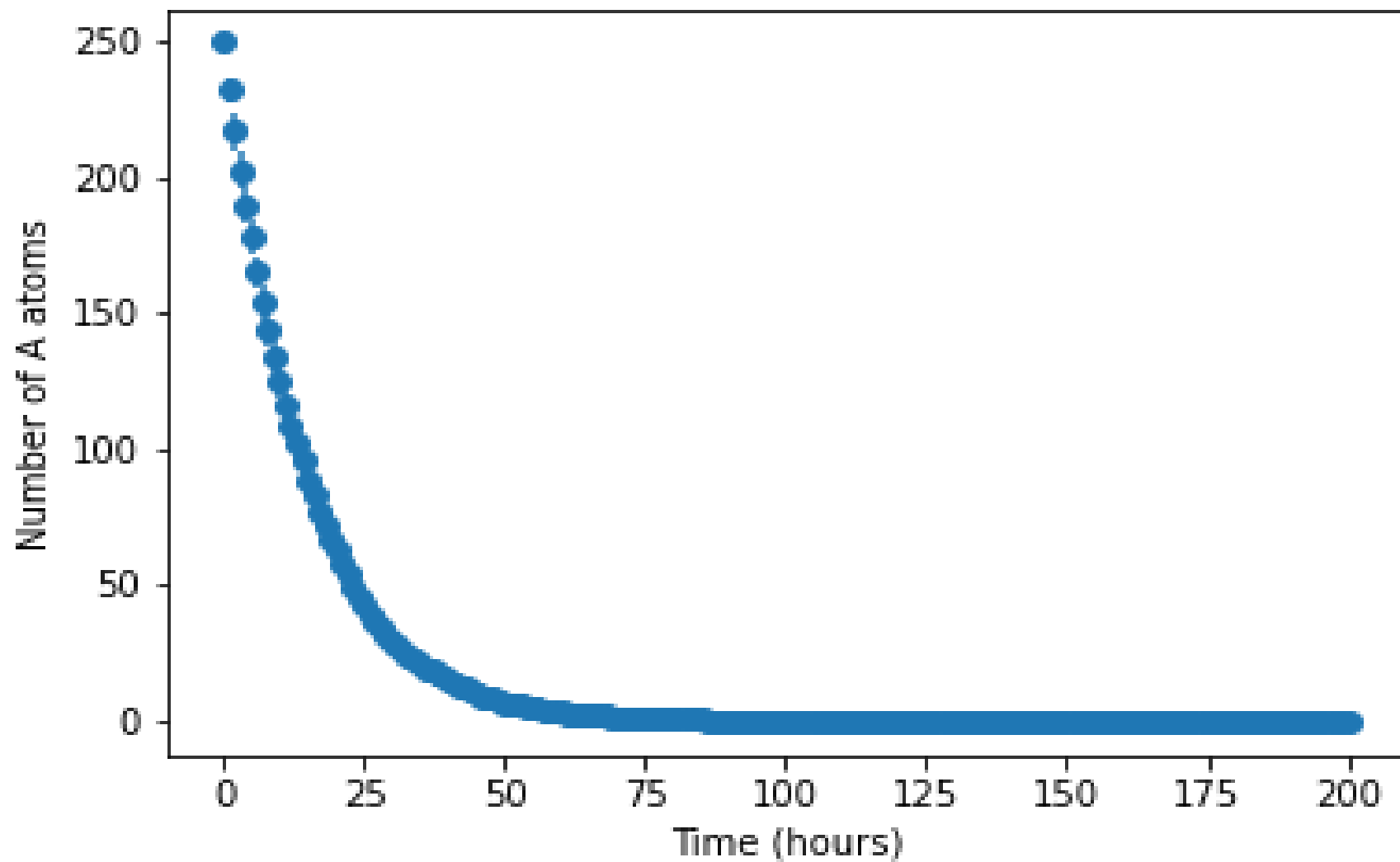
Effect of Initial Velocity on Projectile Range



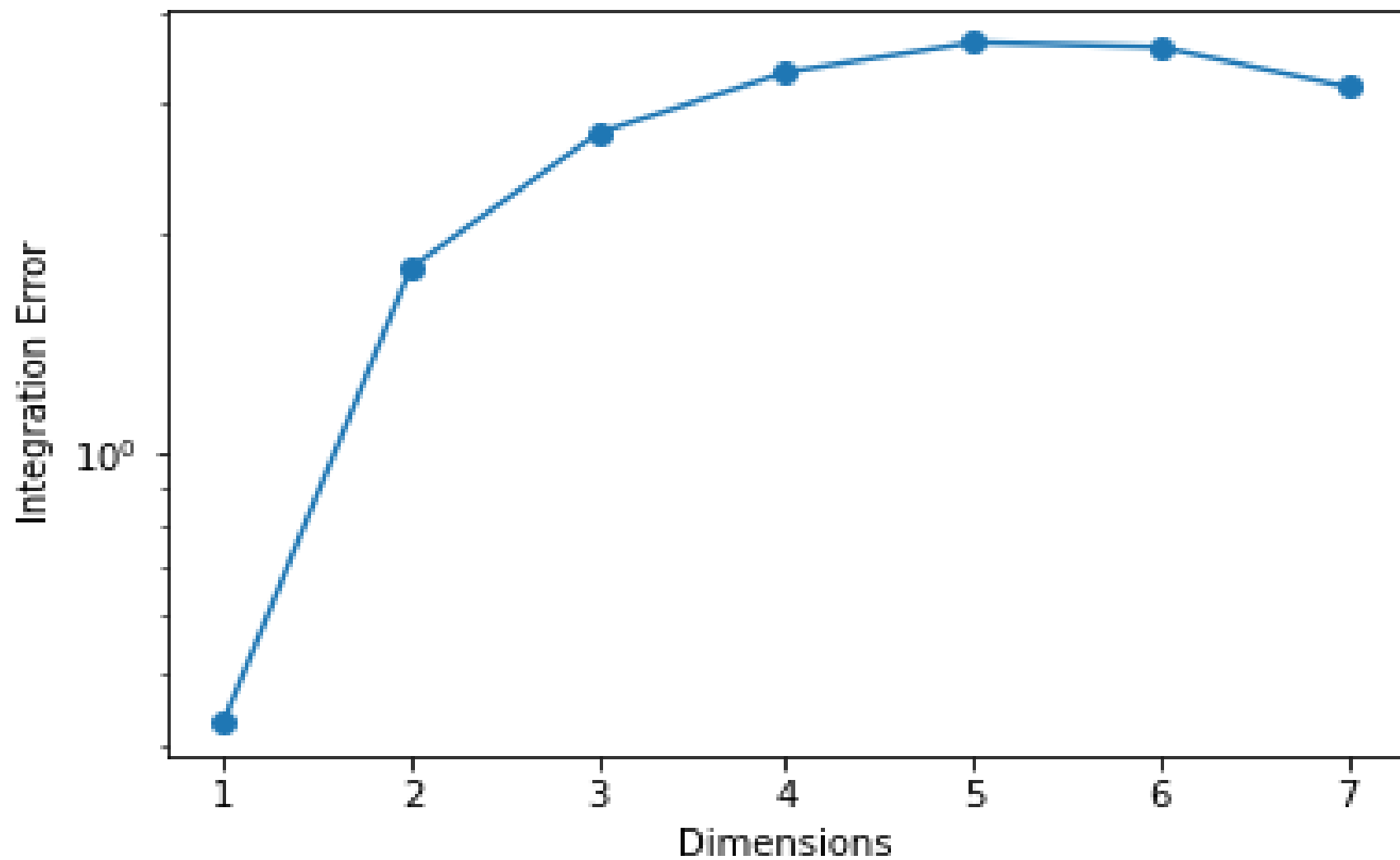
Decay and activation of nuclei



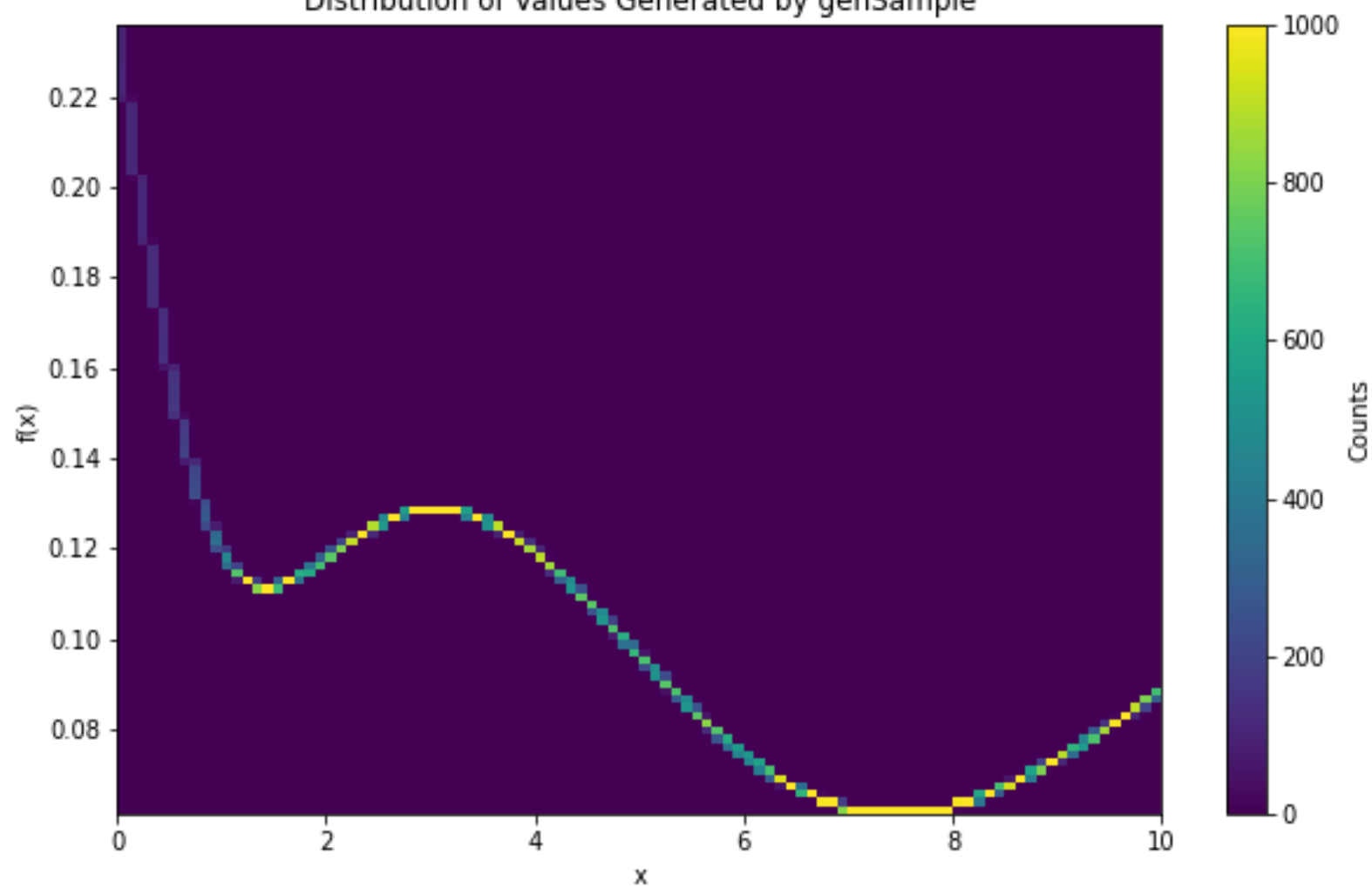
Average Number of A Atoms as a Function of Time



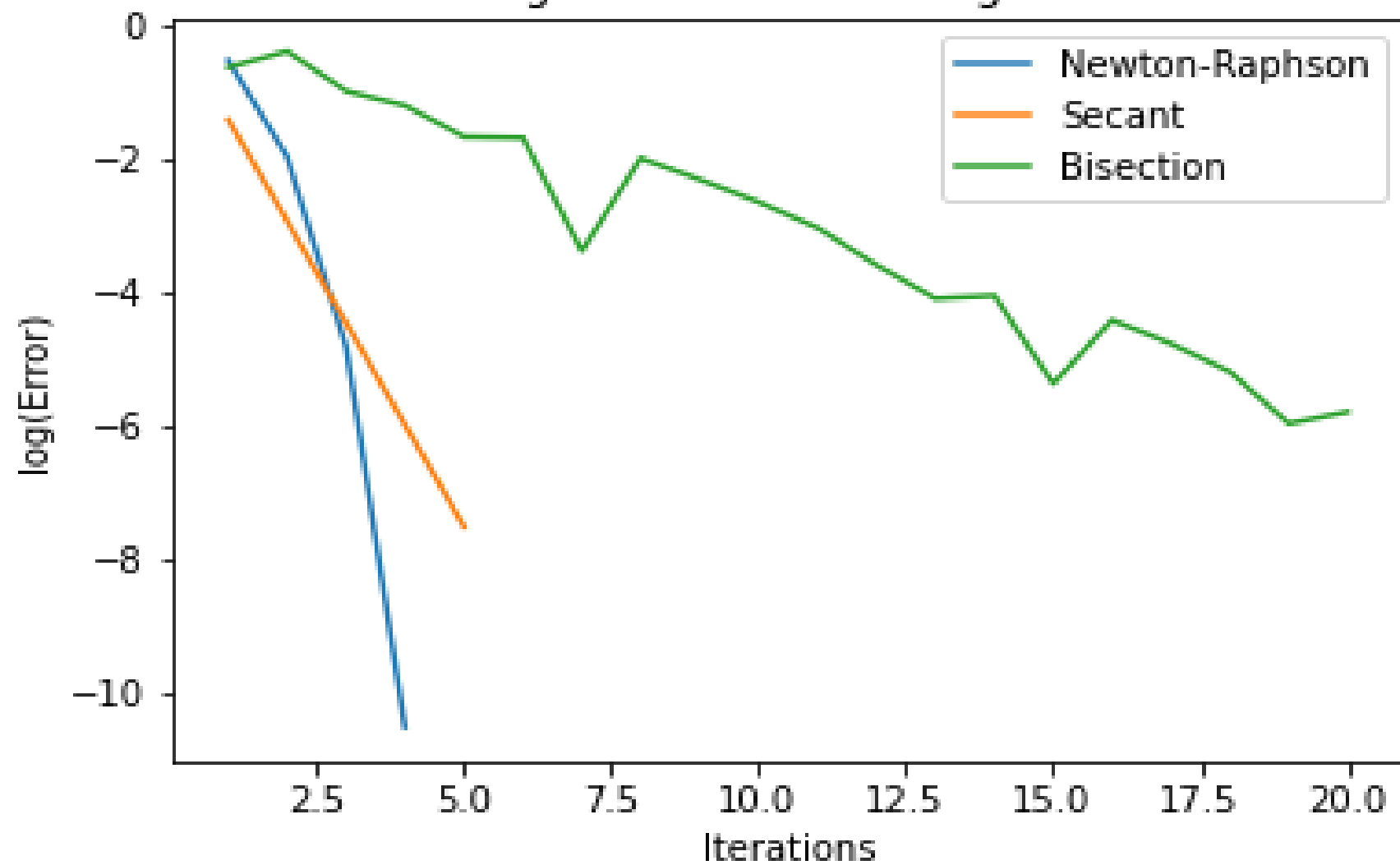
Monte Carlo Integration Error Scaling



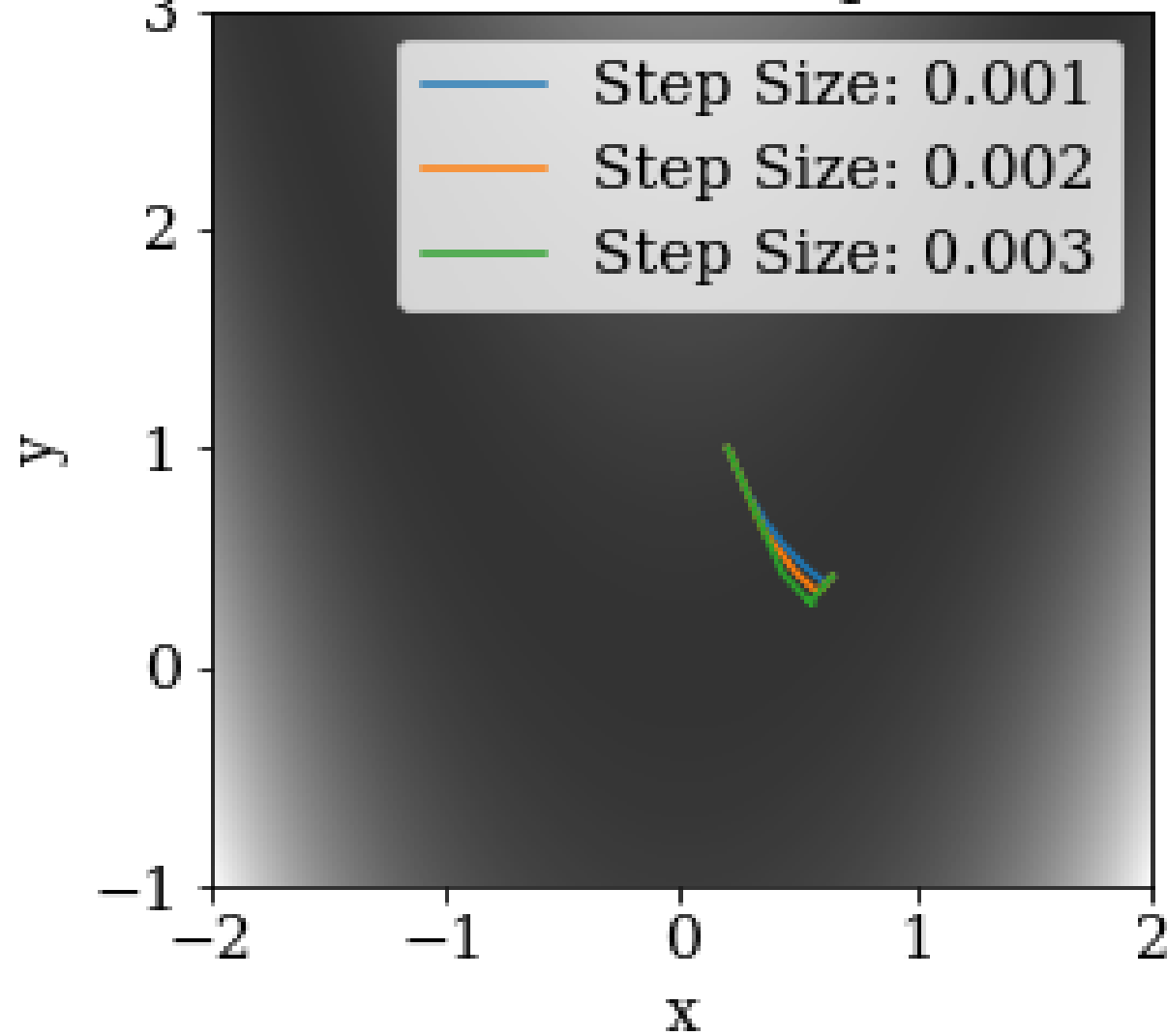
Distribution of Values Generated by genSample



Convergence of Root-Finding Methods



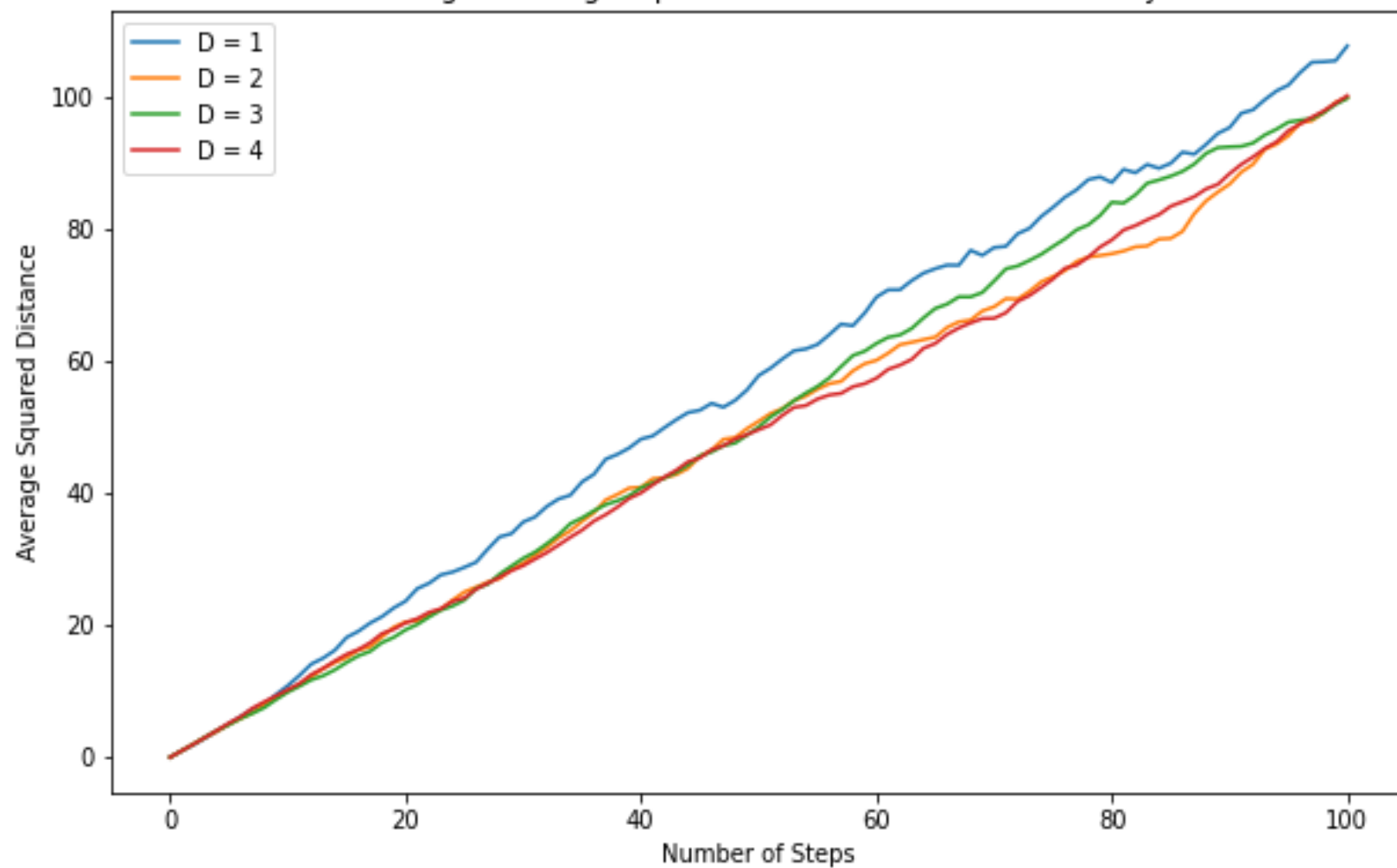
Gradient Descent Optimization



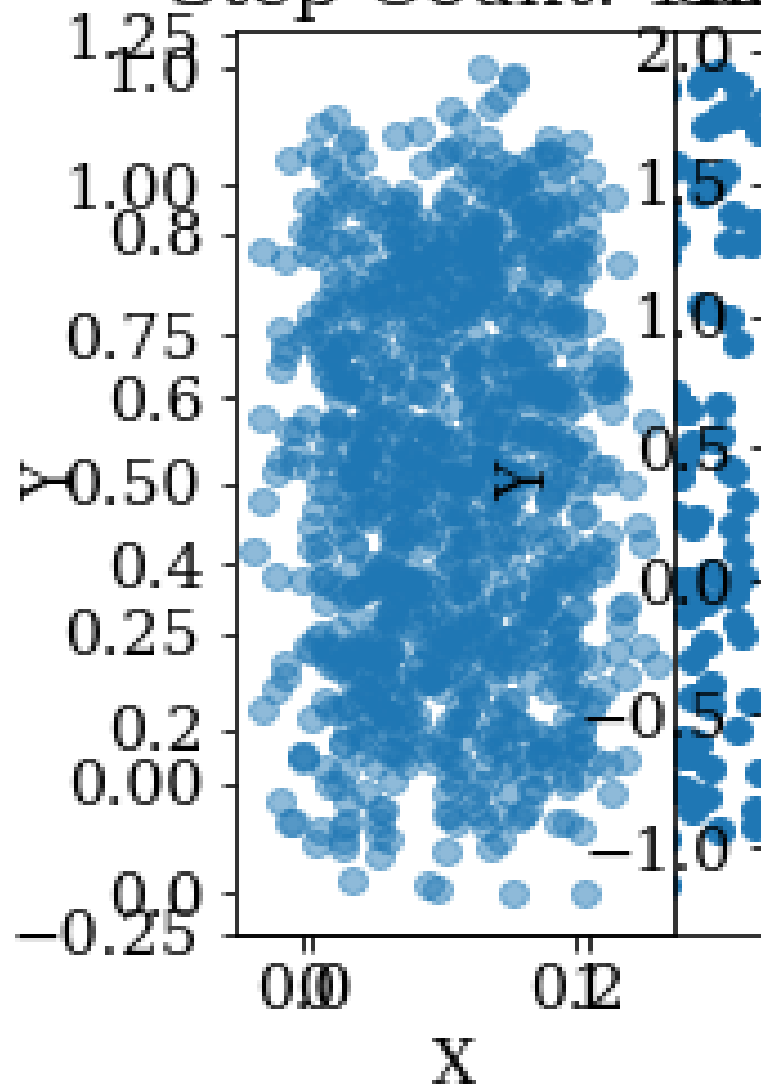
Analysis of 1D Walkers



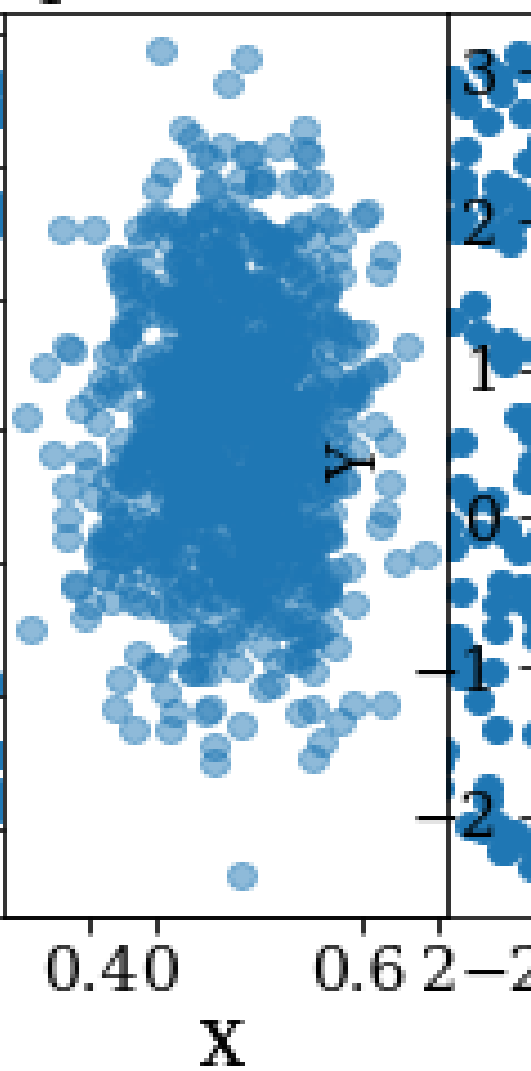
Scaling of Average Squared Distance with Dimensionality



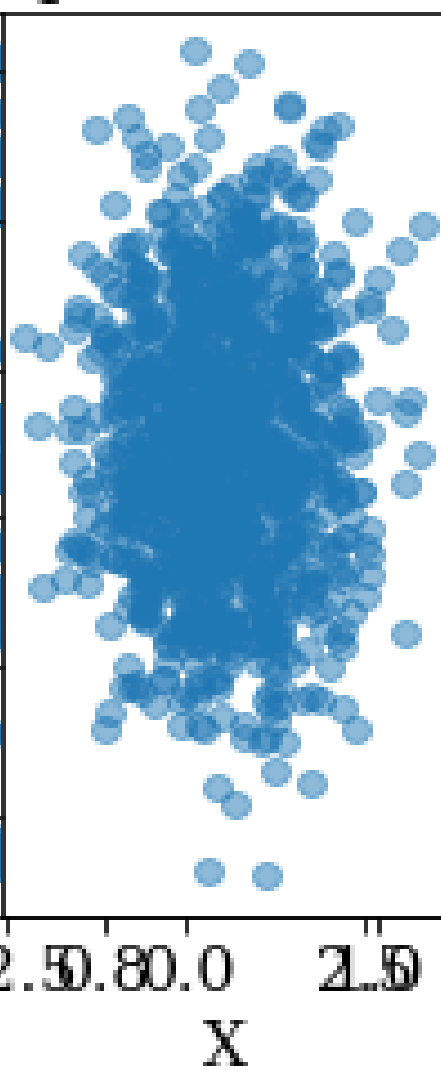
Step Count: 150 Initial Position: 0.0



Step Count: 150 Initial Position: 0.0



Step Count: 500



AI?