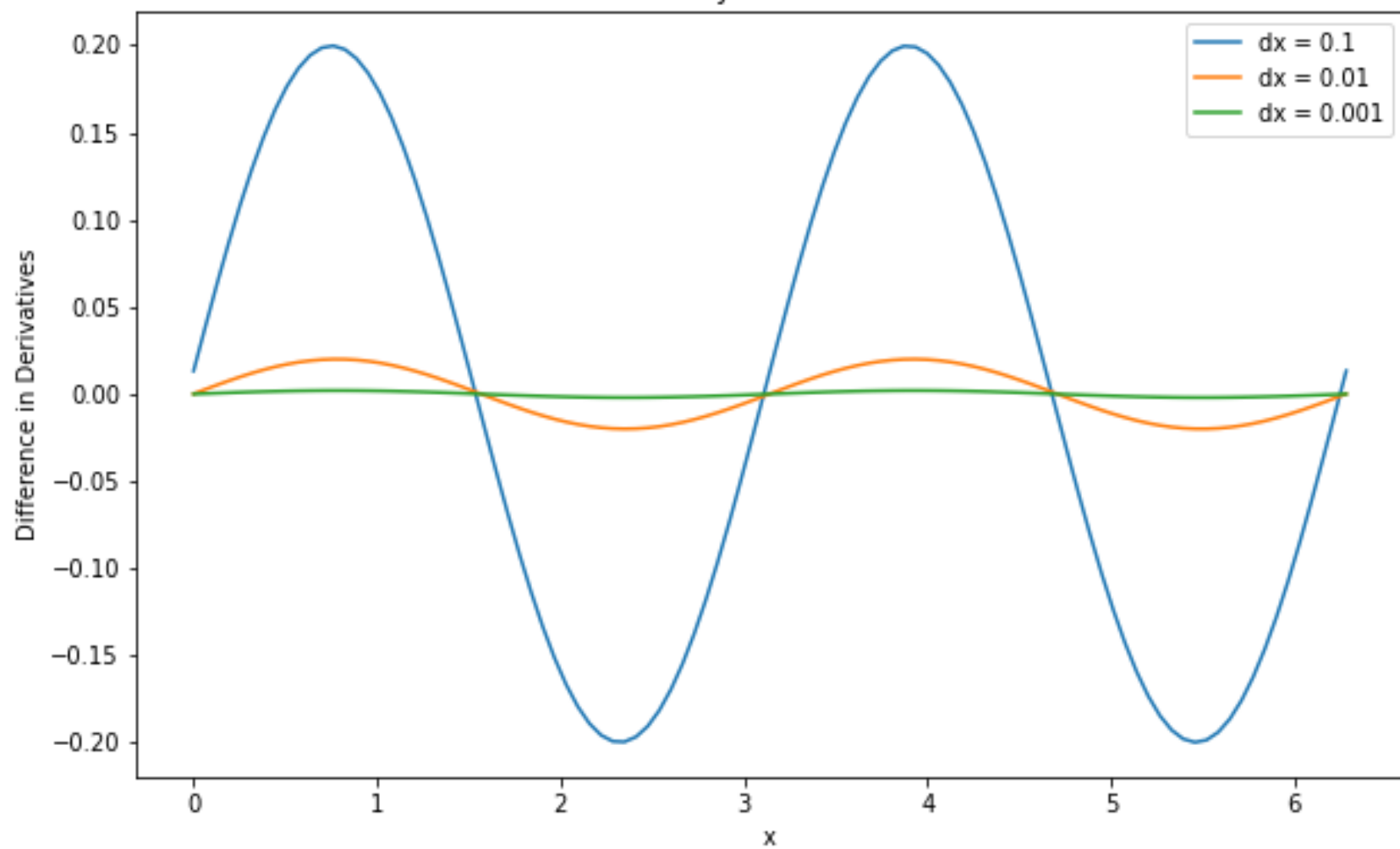
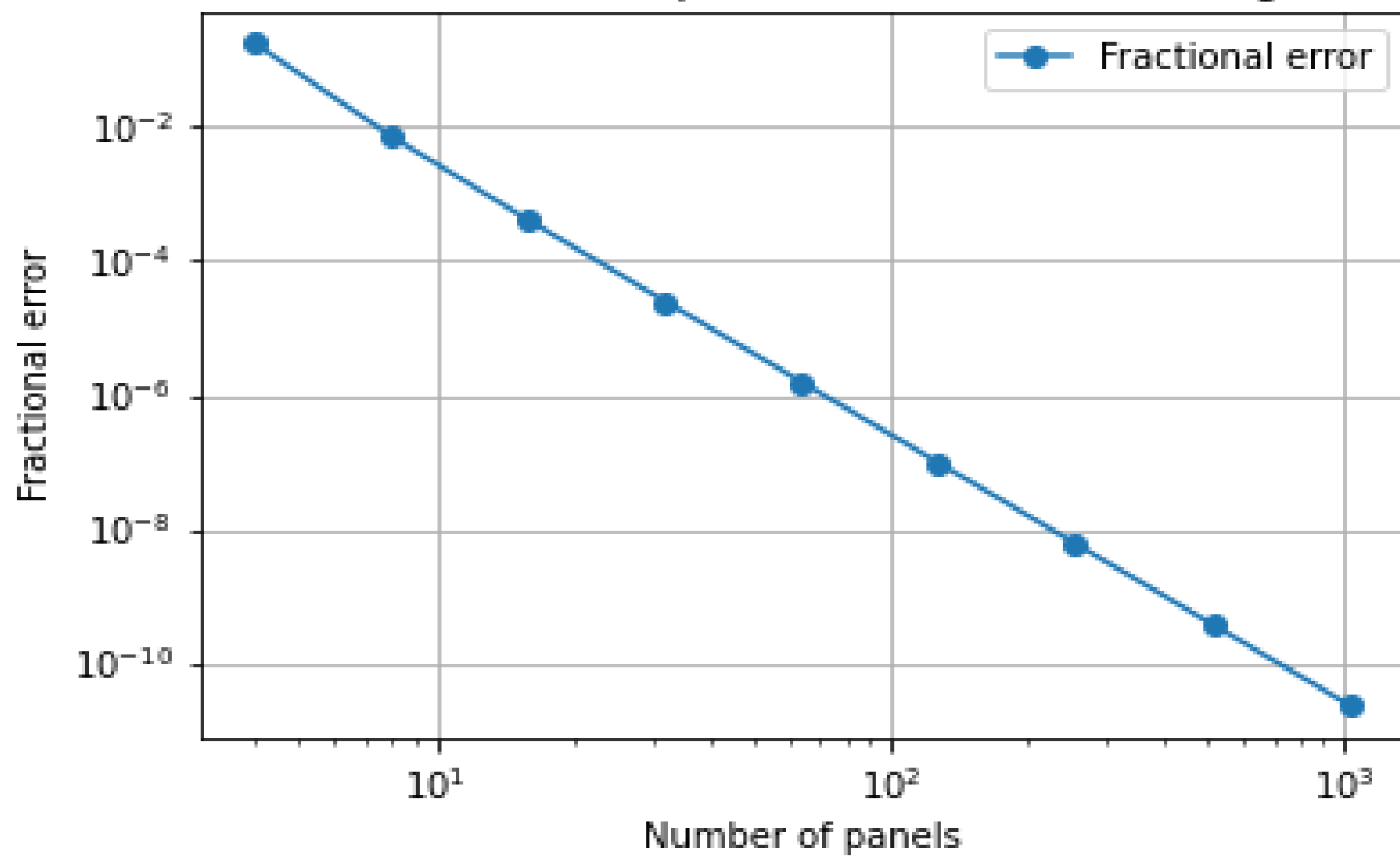


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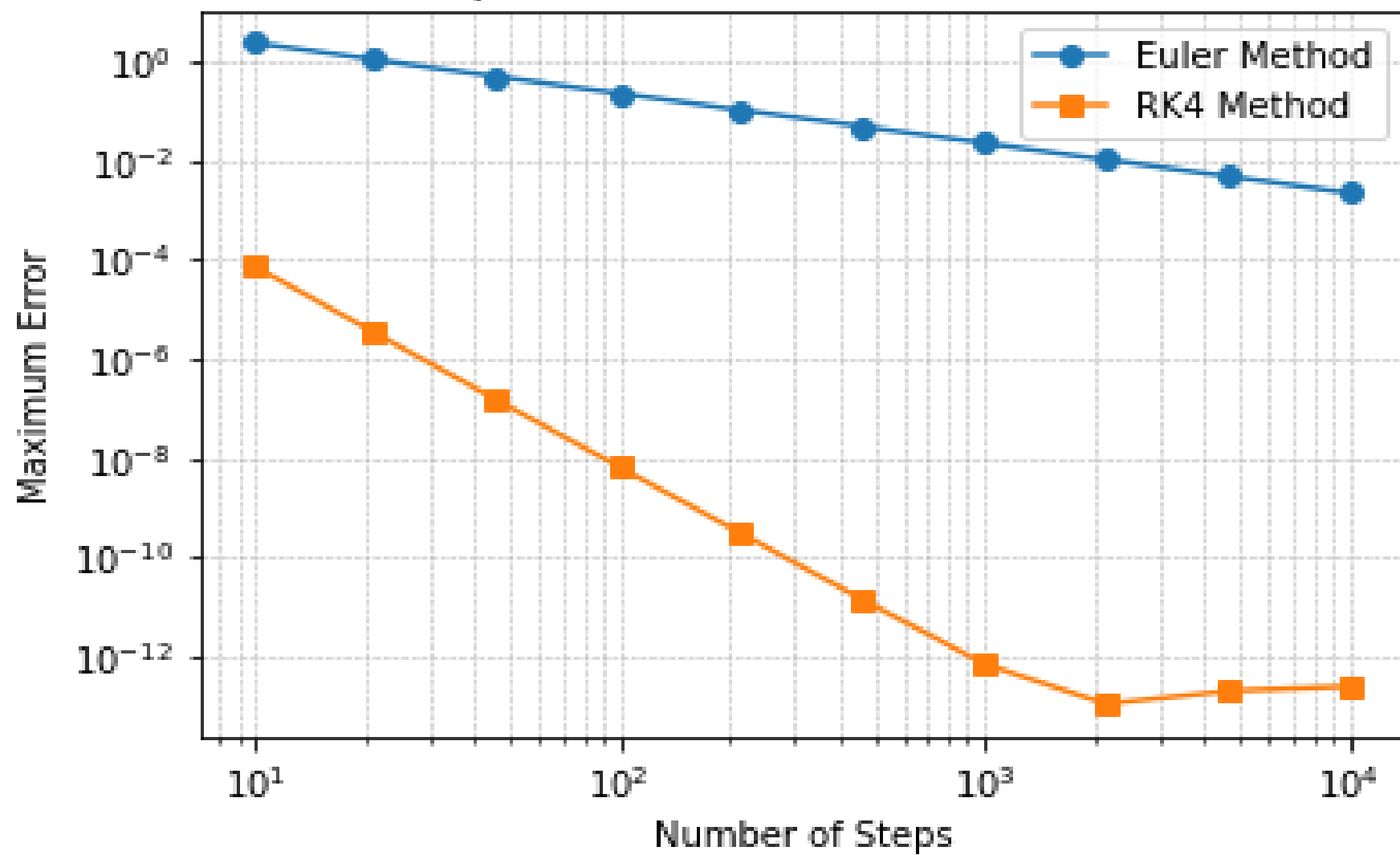
Difference Between Analytical and Numerical Derivatives



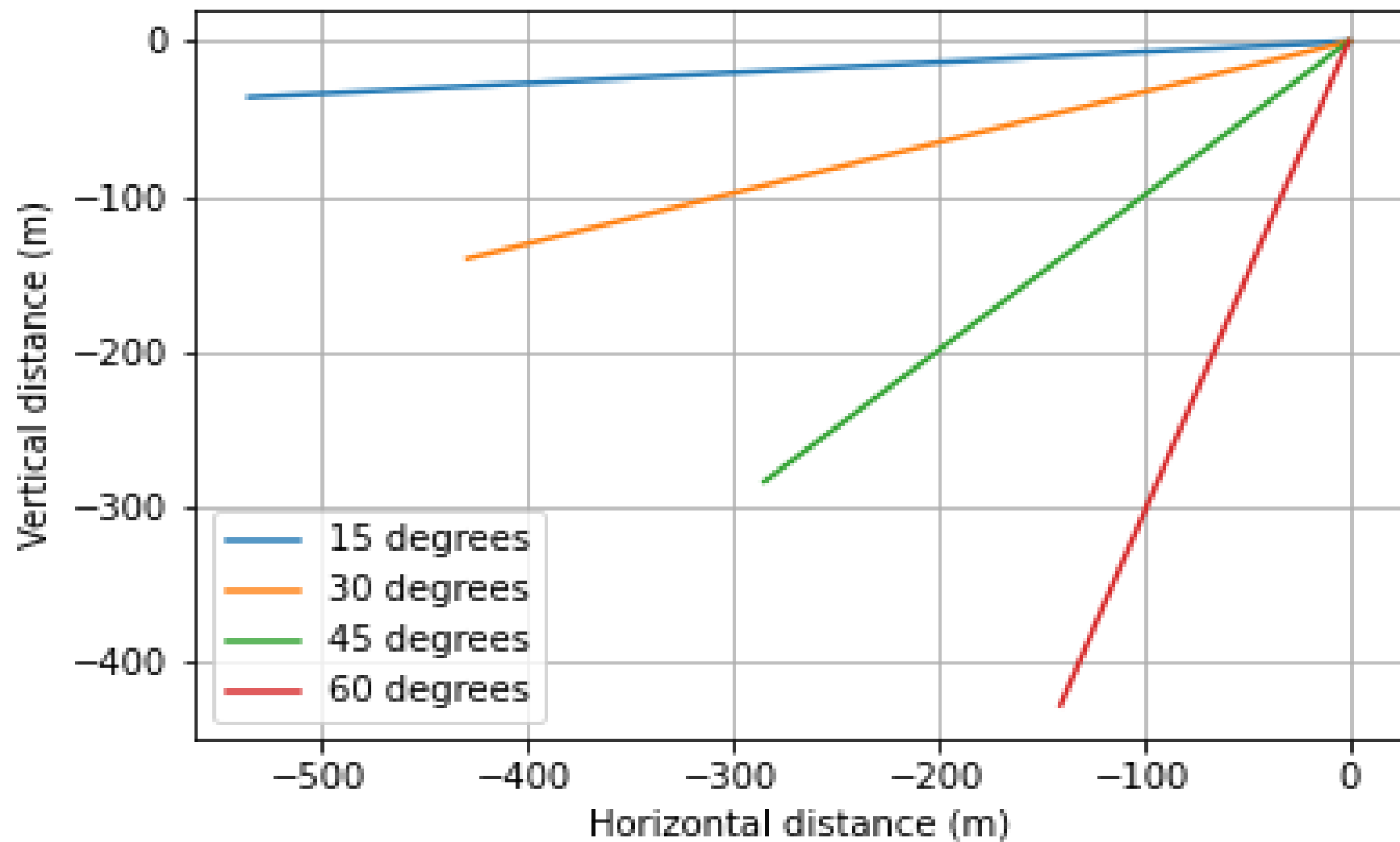
Fractional Error in Simpson's Rule Numerical Integration



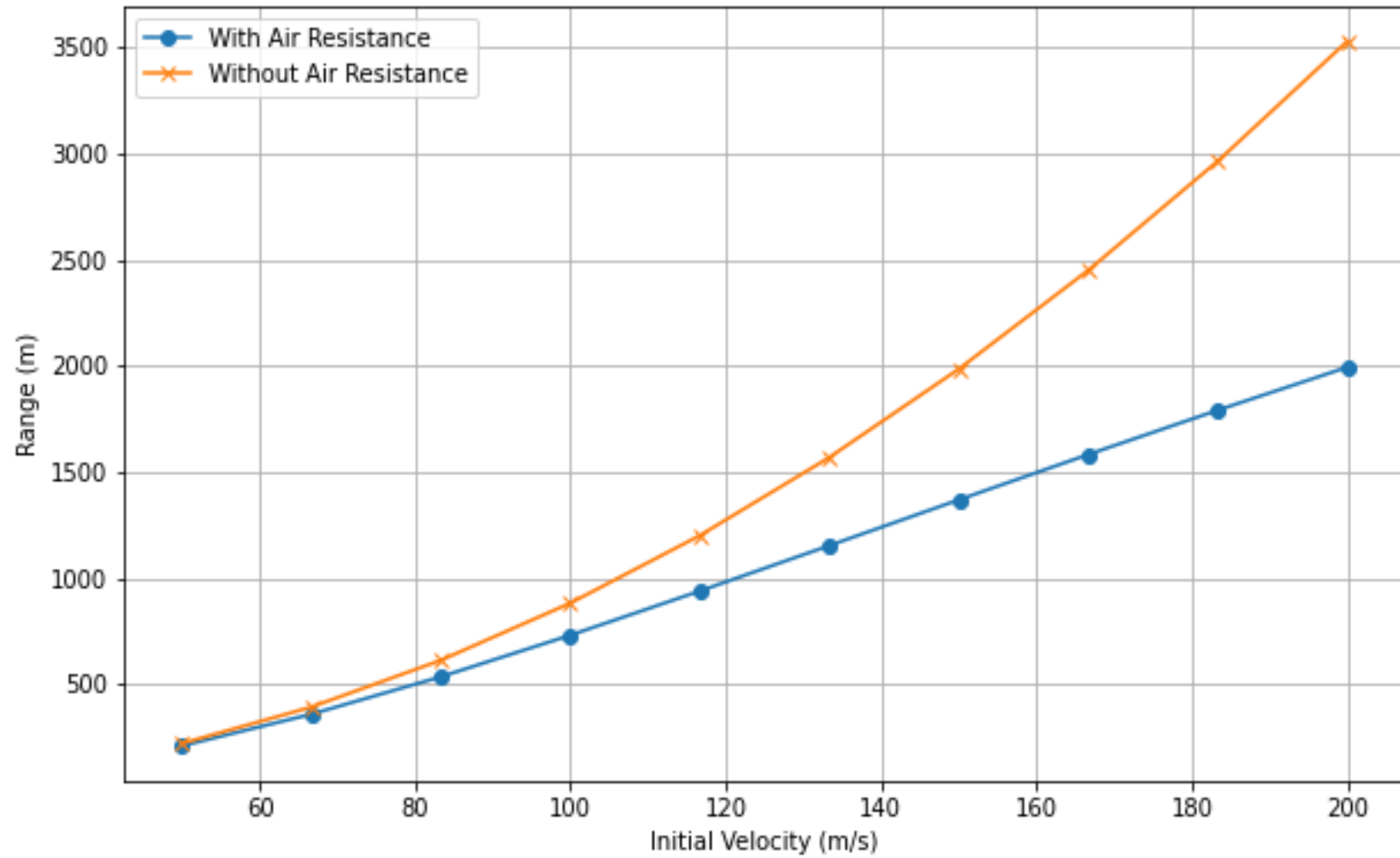
Error Comparison between Euler and RK4 Methods



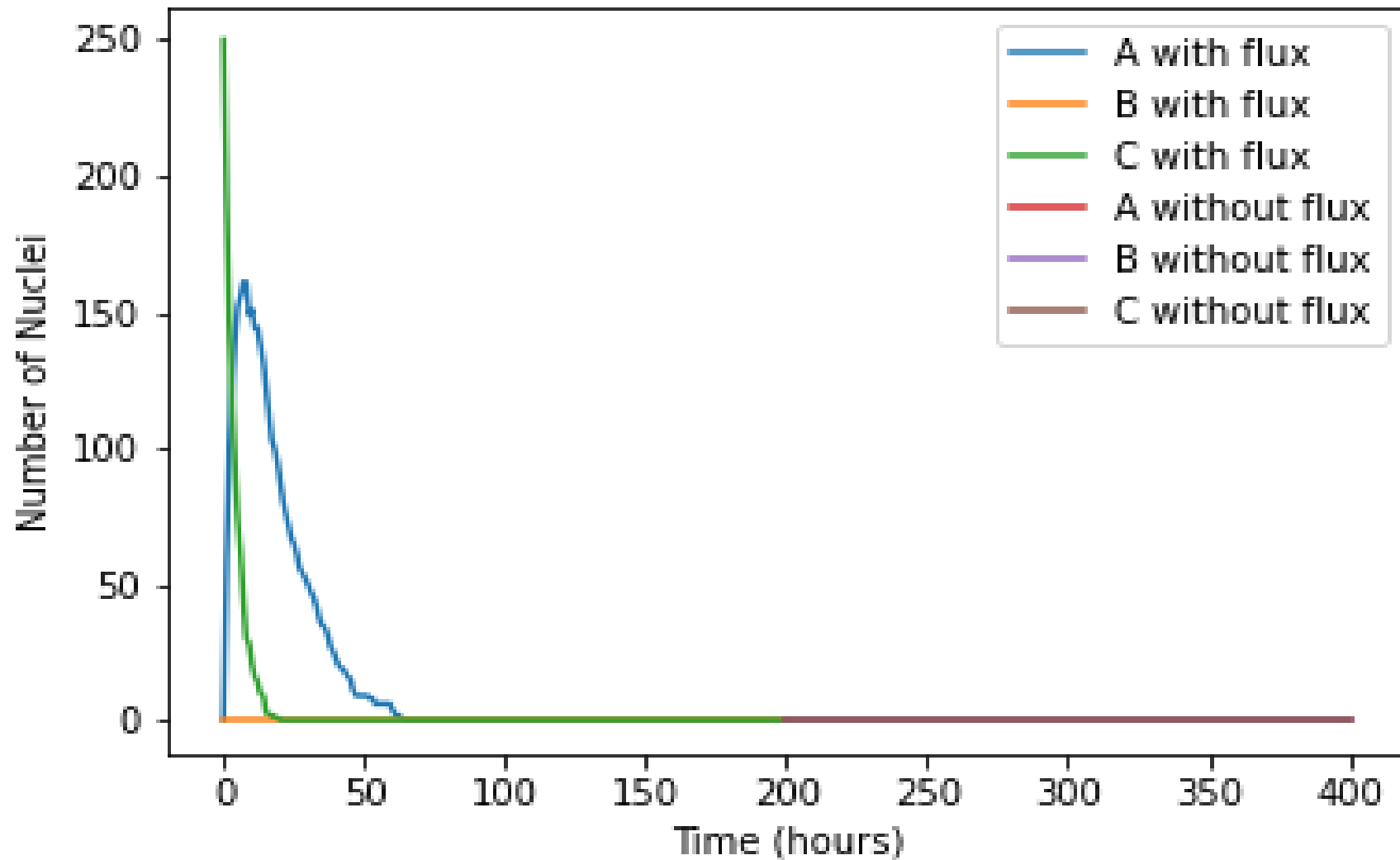
Cannonball trajectories at various angles



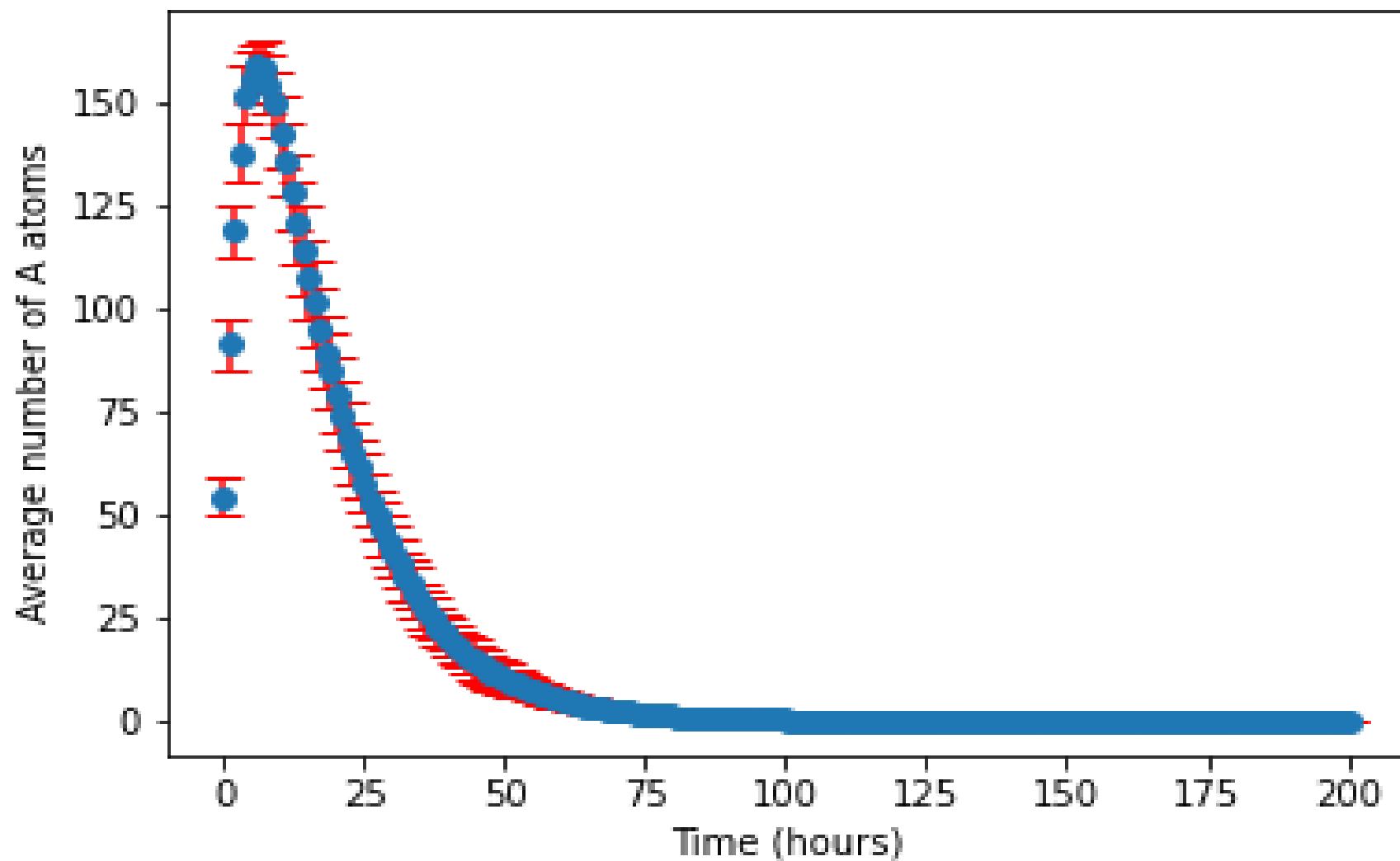
Effect of Initial Velocity on Projectile Range



Nuclei Decay and Activation with and without Neutron Flux

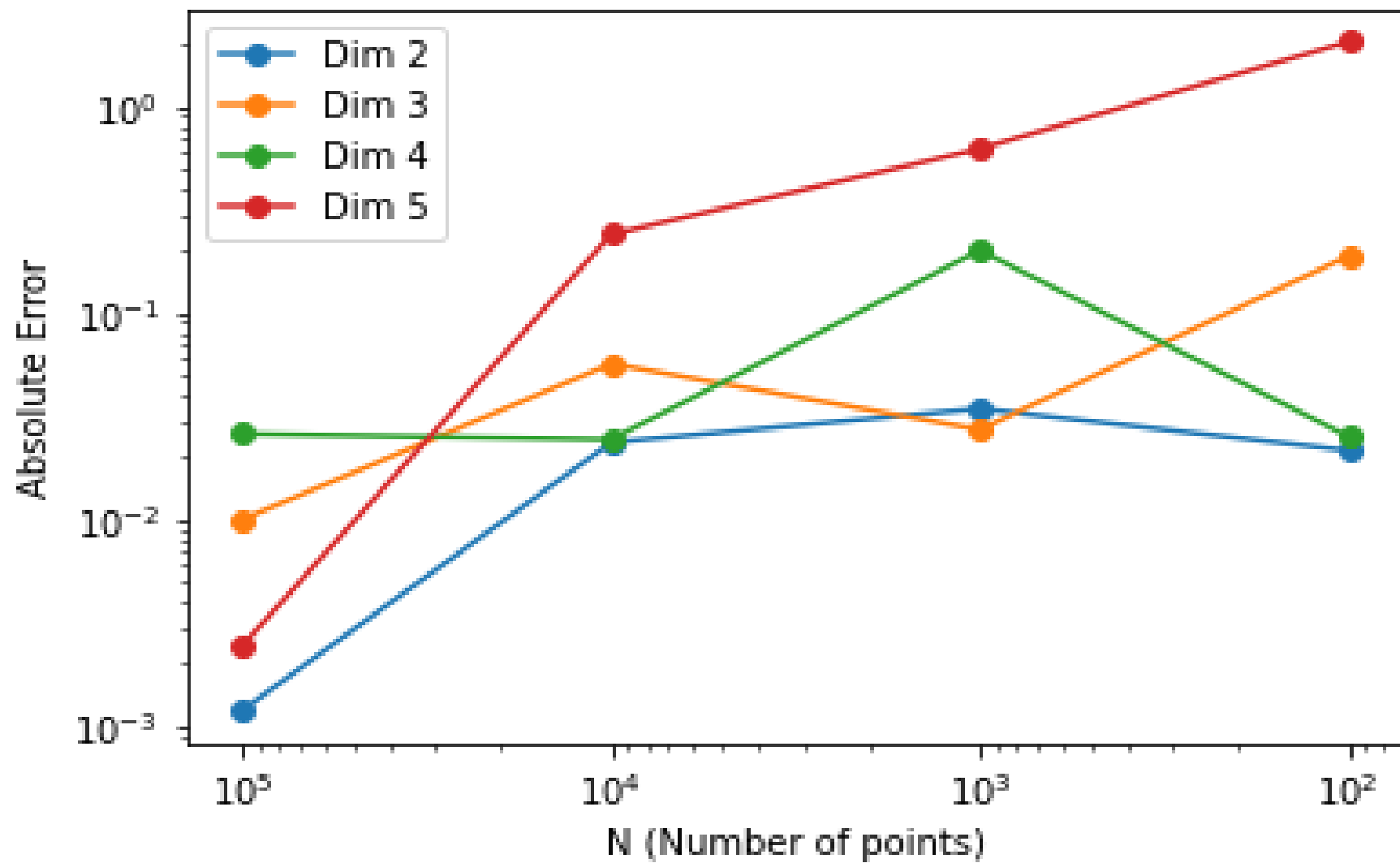


Average number of A atoms vs. Time with Uncertainty

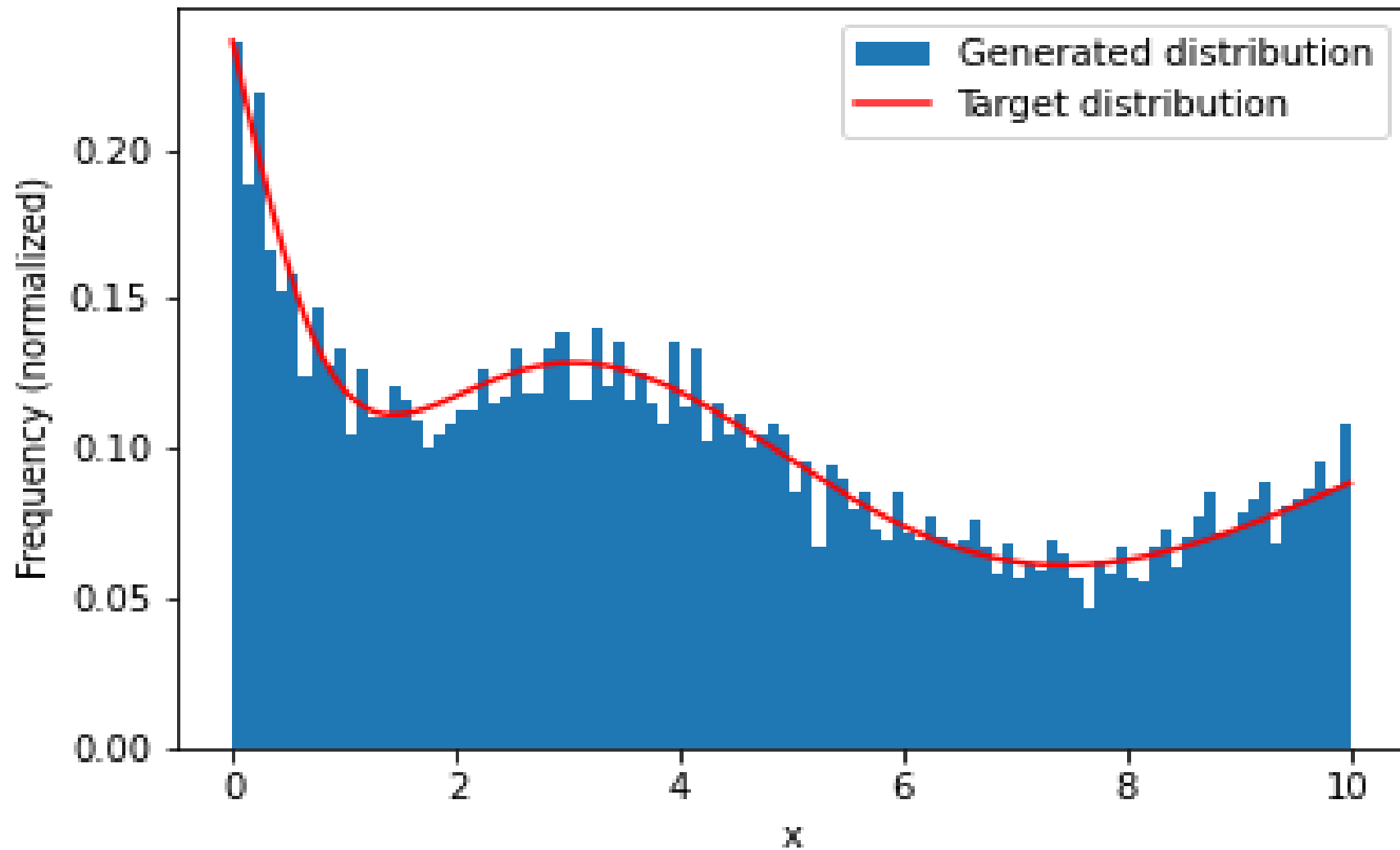




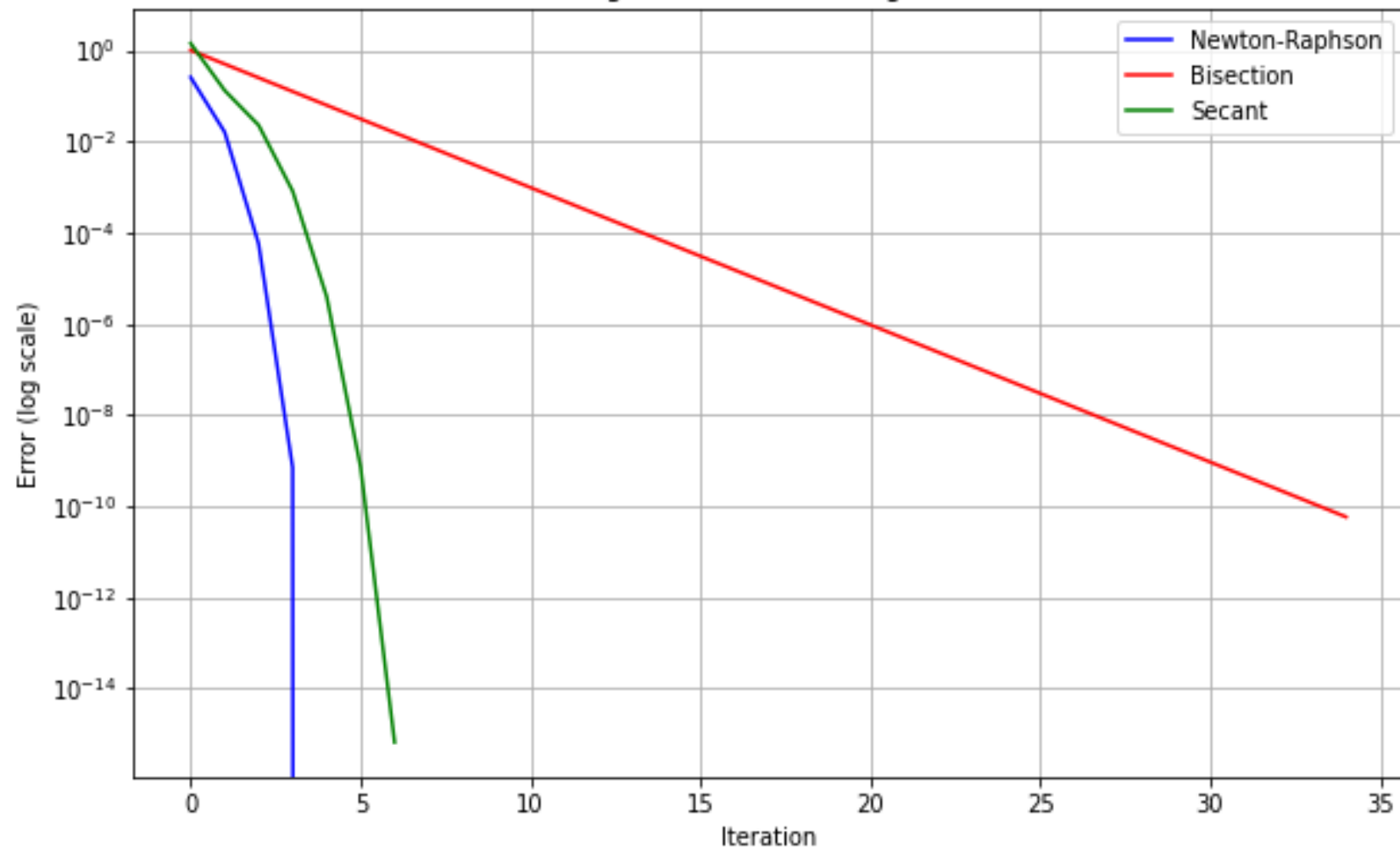
Monte Carlo Integration Error Scaling with Dimension and N



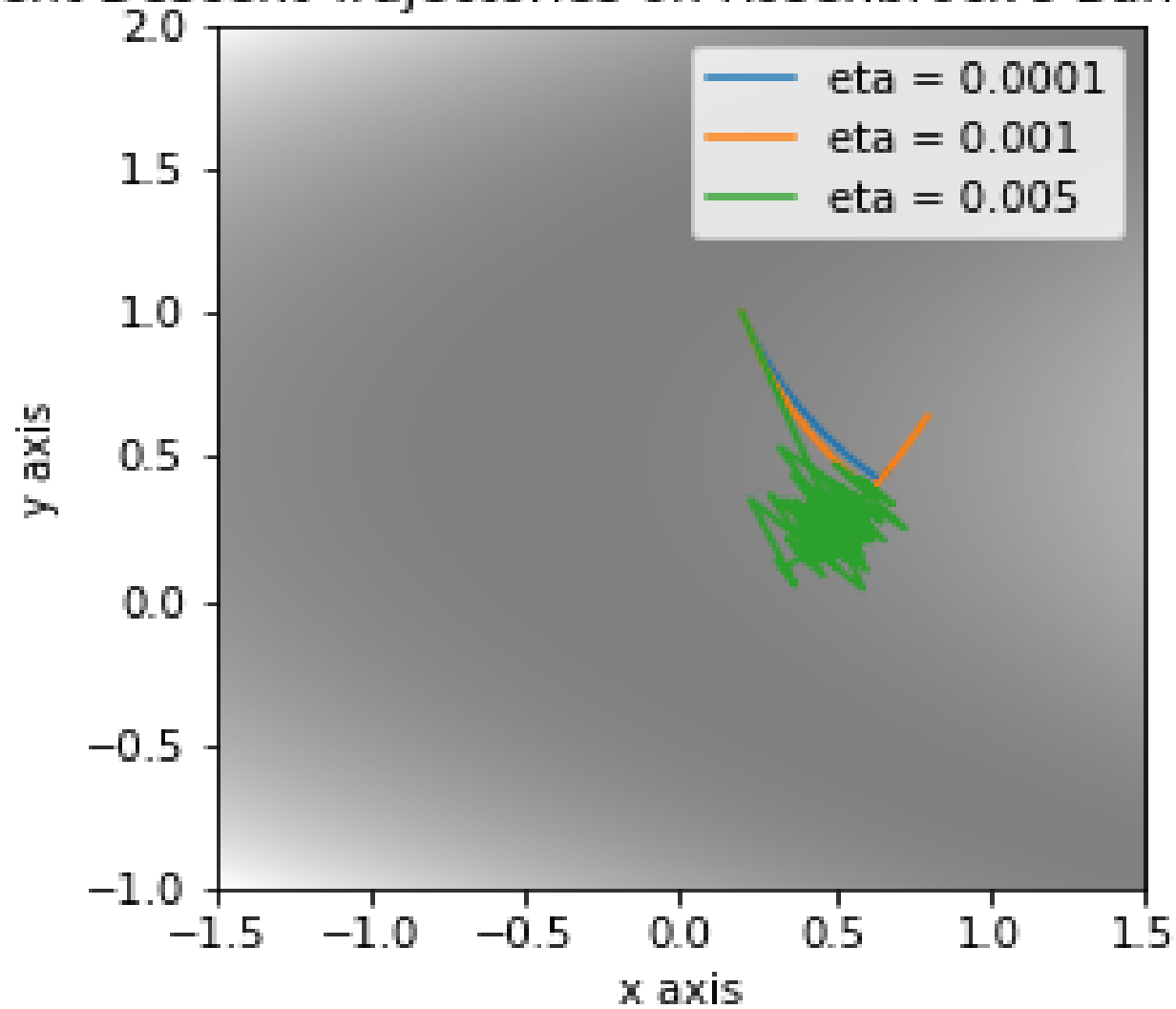
Distribution of generated values



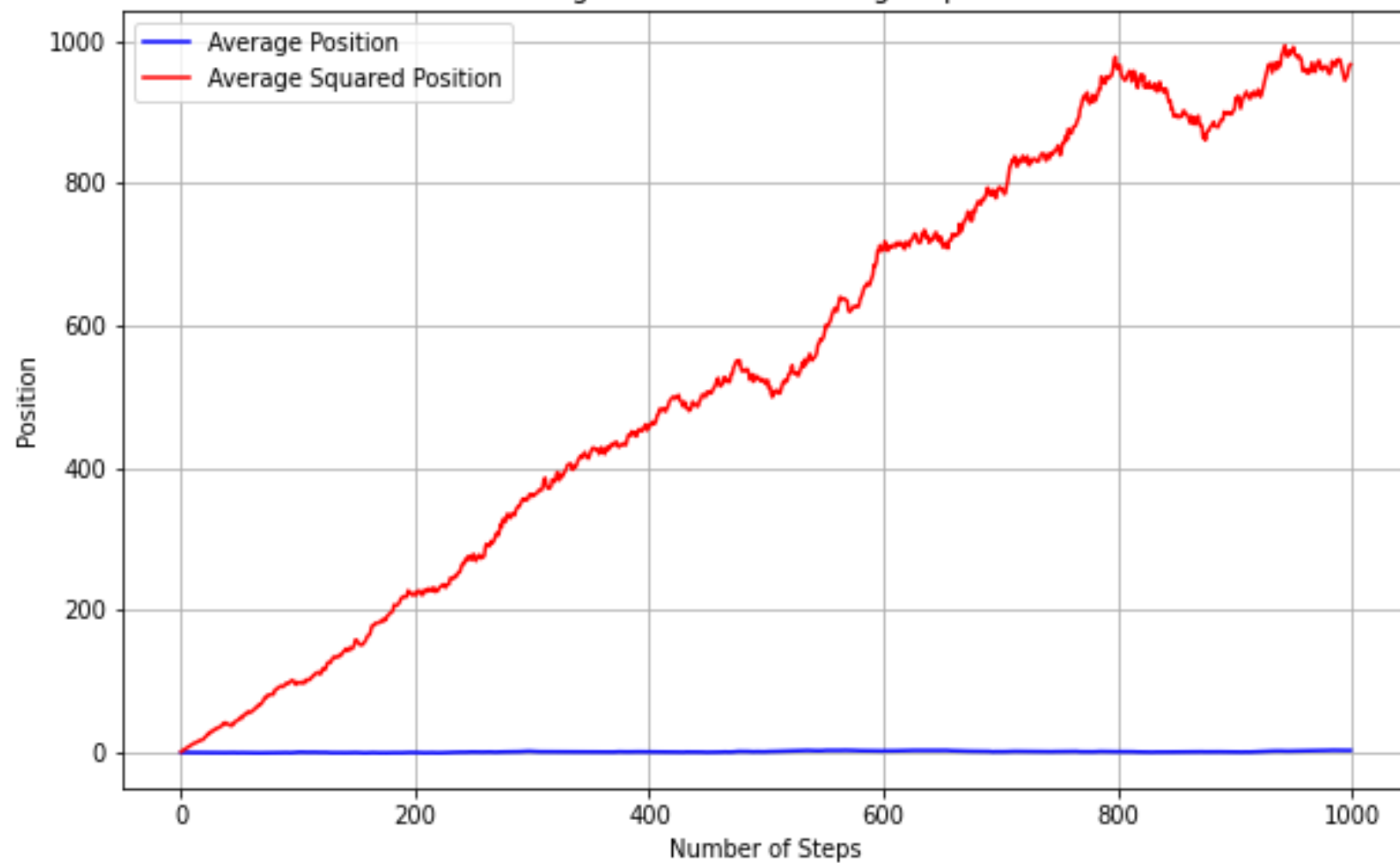
Convergence of Root-Finding Methods



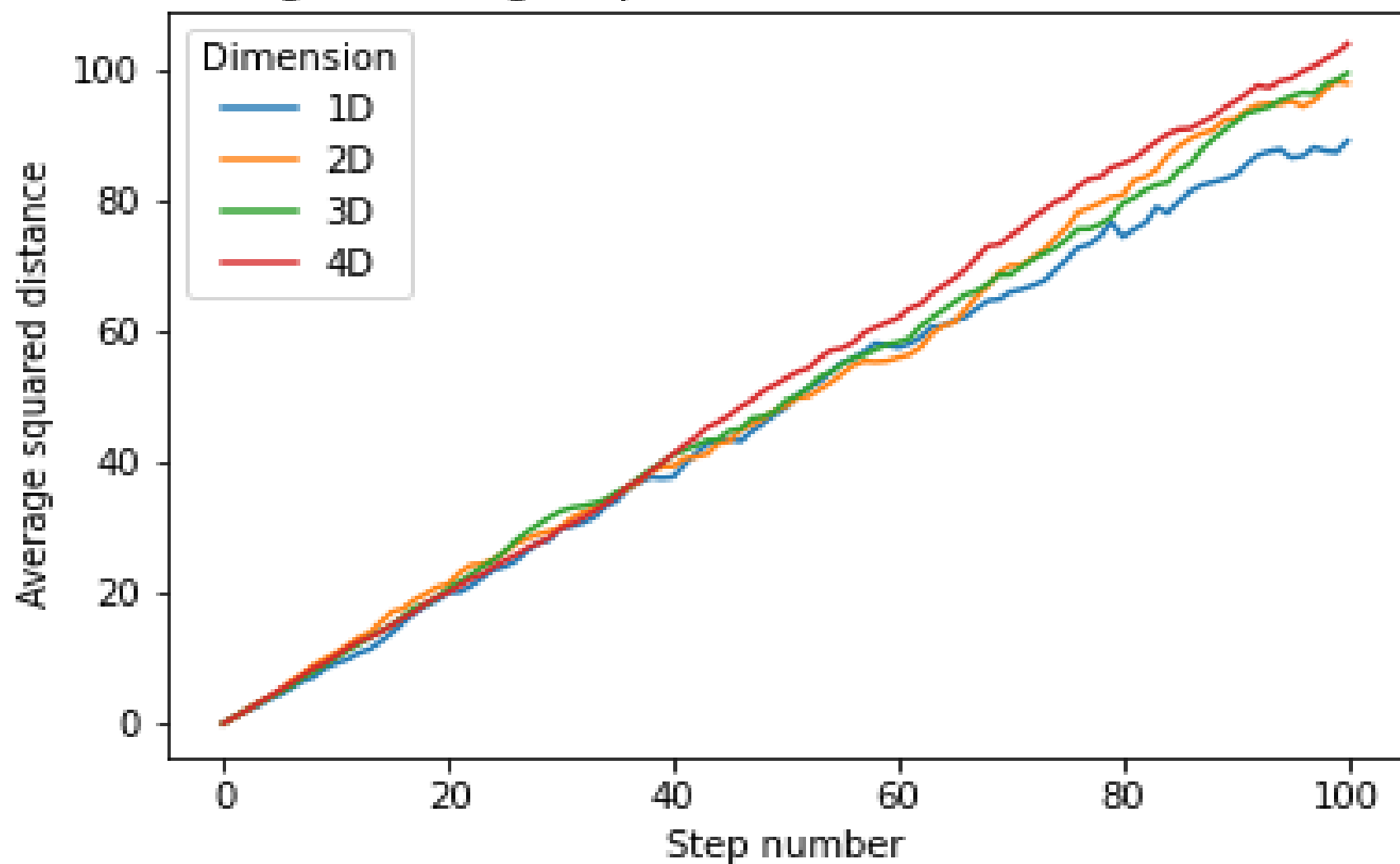
Gradient Descent Trajectories on Rosenbrock's Banana Function



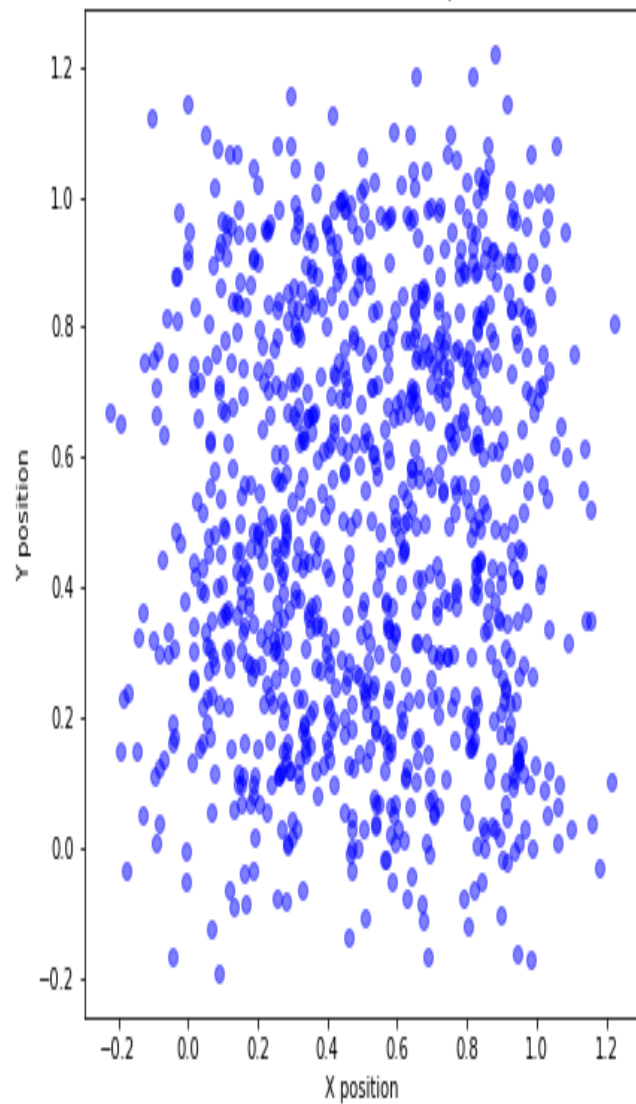
1D Random Walk: Average Position and Average Squared Position over Time



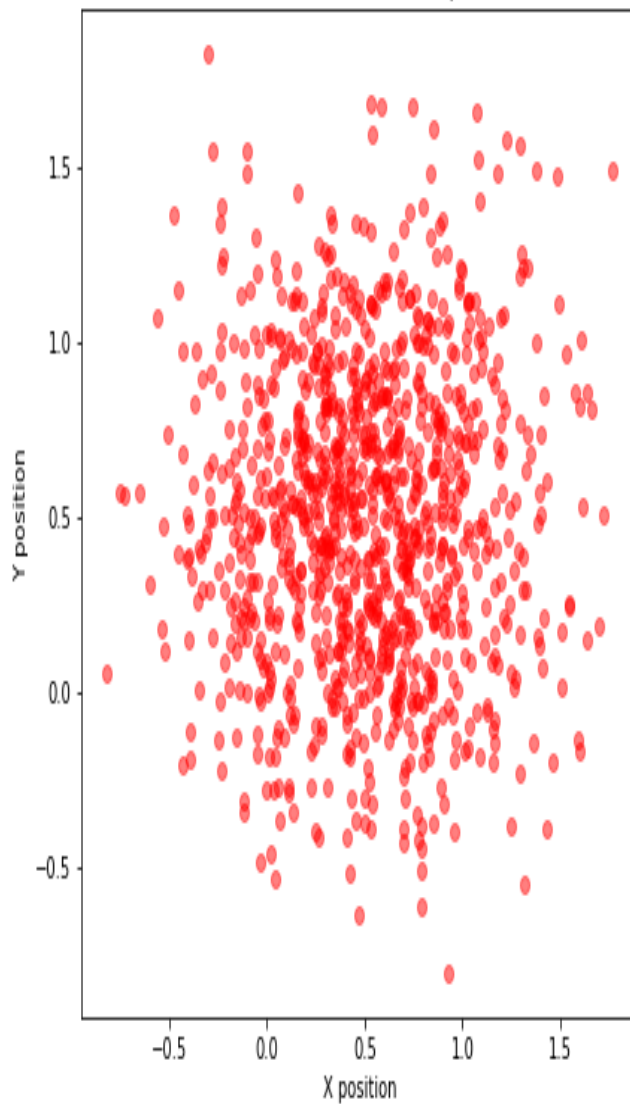
Scaling of Average Squared Distance with Dimensionality



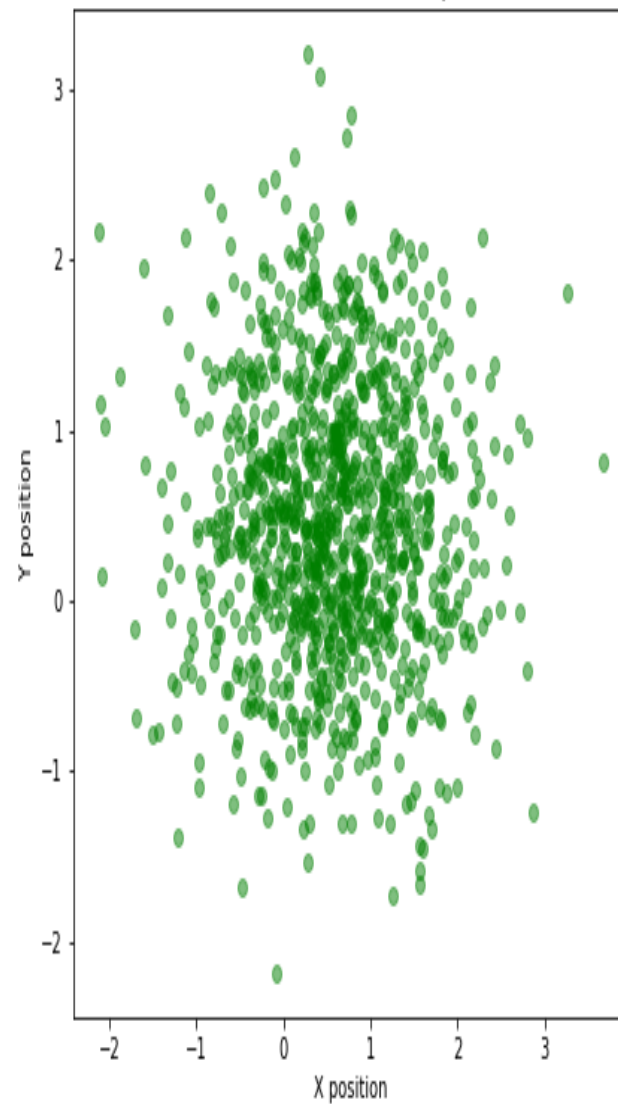
Positions after 10 steps



Positions after 100 steps



Positions after 500 steps



AI?