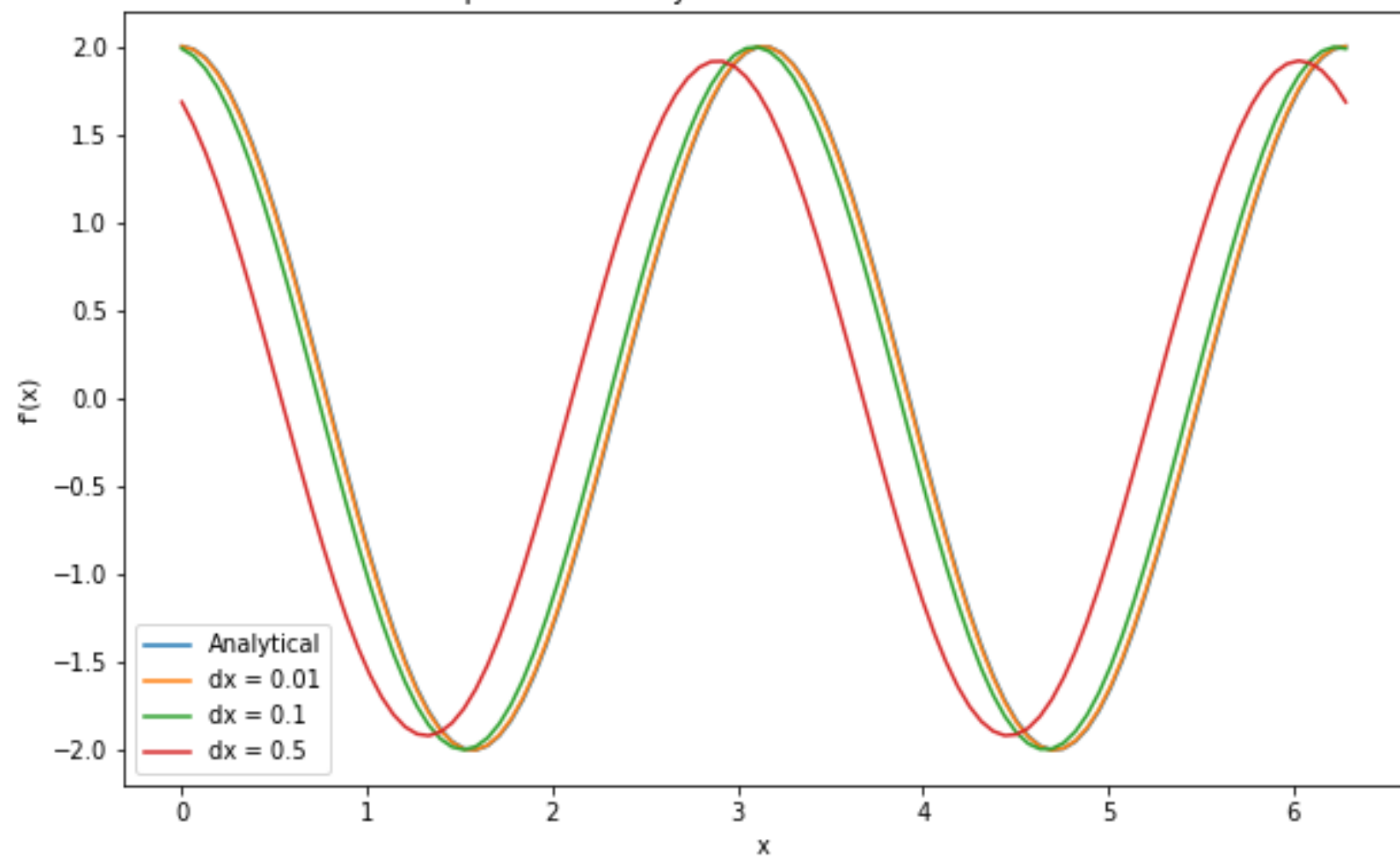
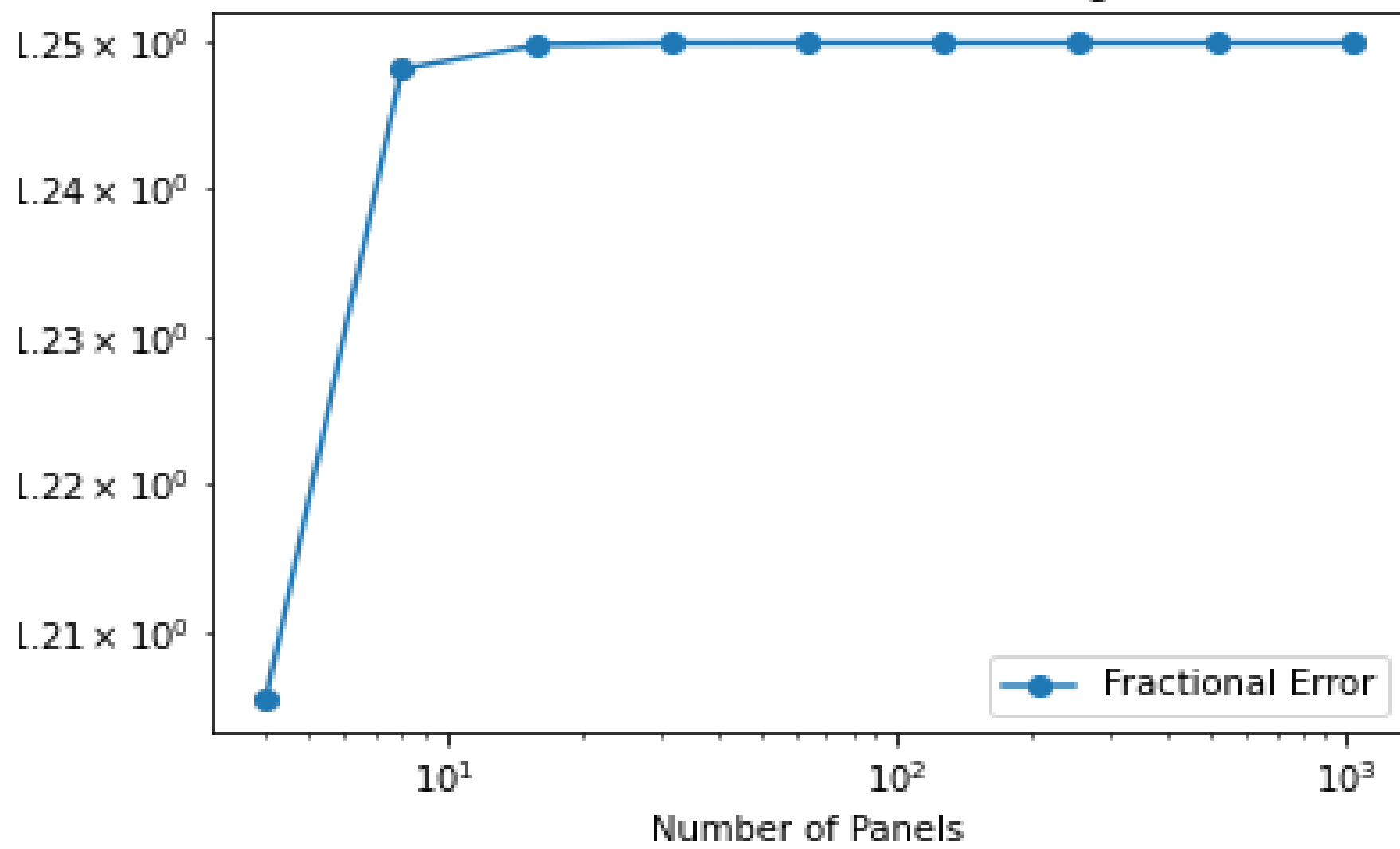


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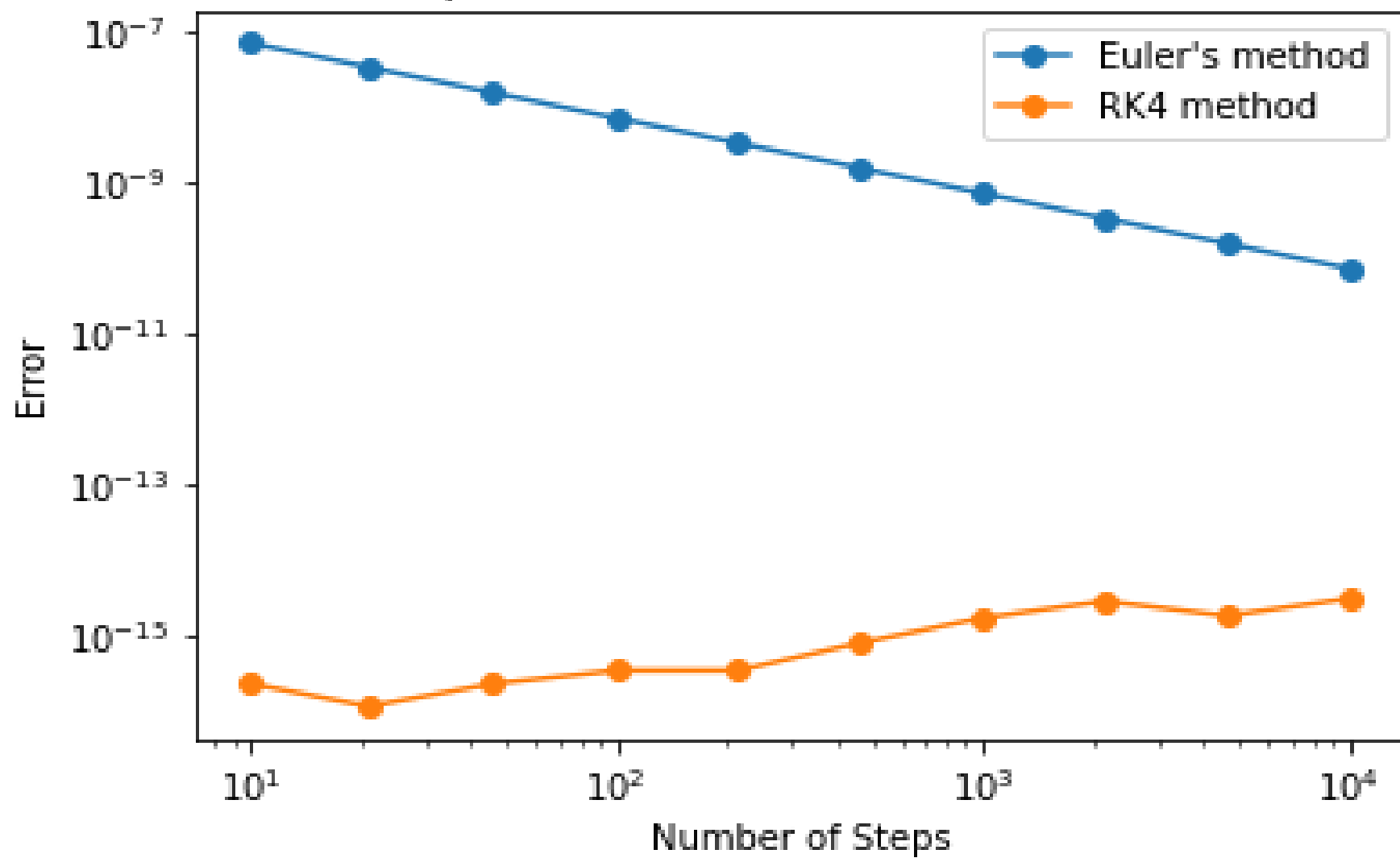
Comparison of Analytical and Numerical Derivatives



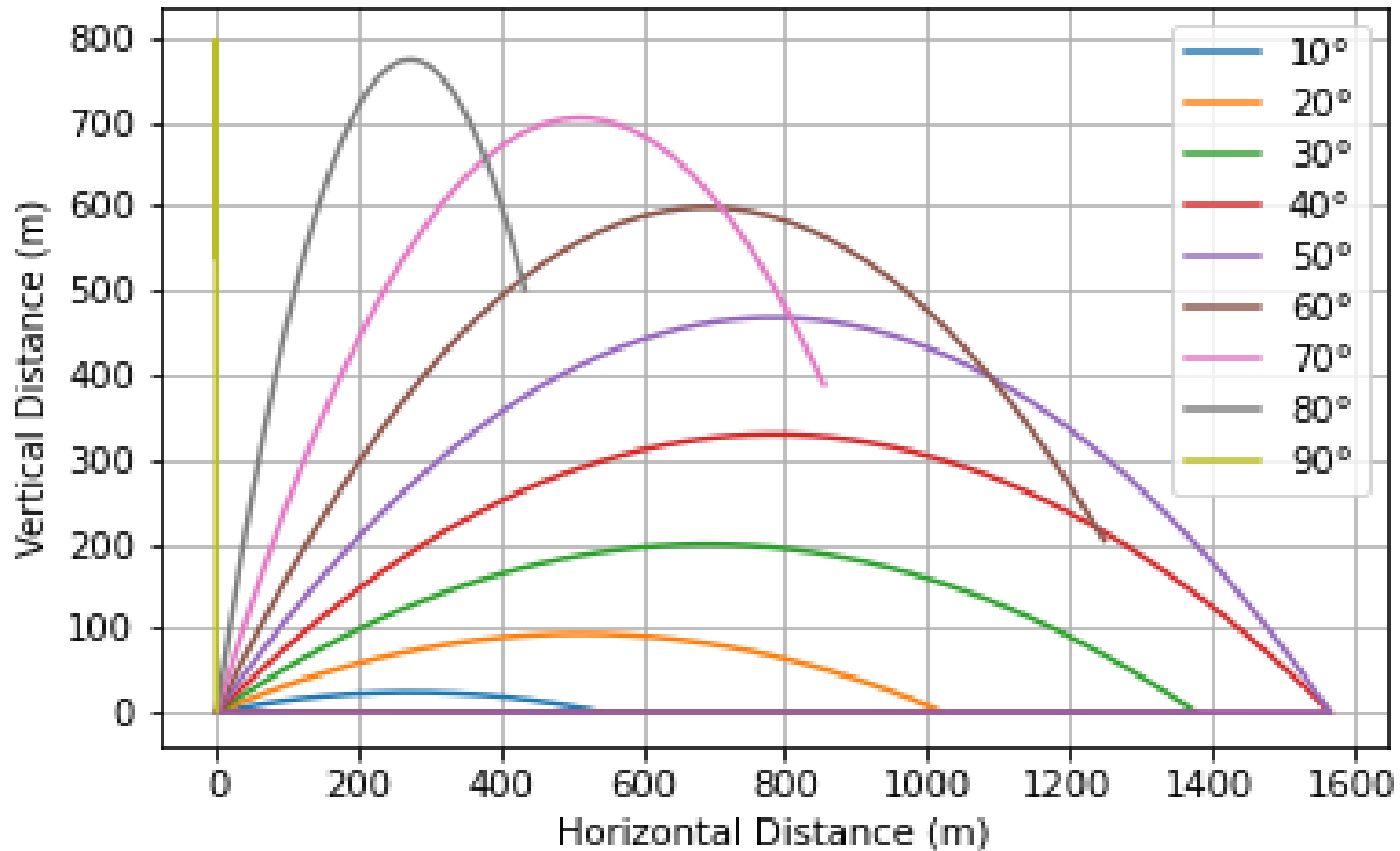
Fractional Error in Numerical Integration



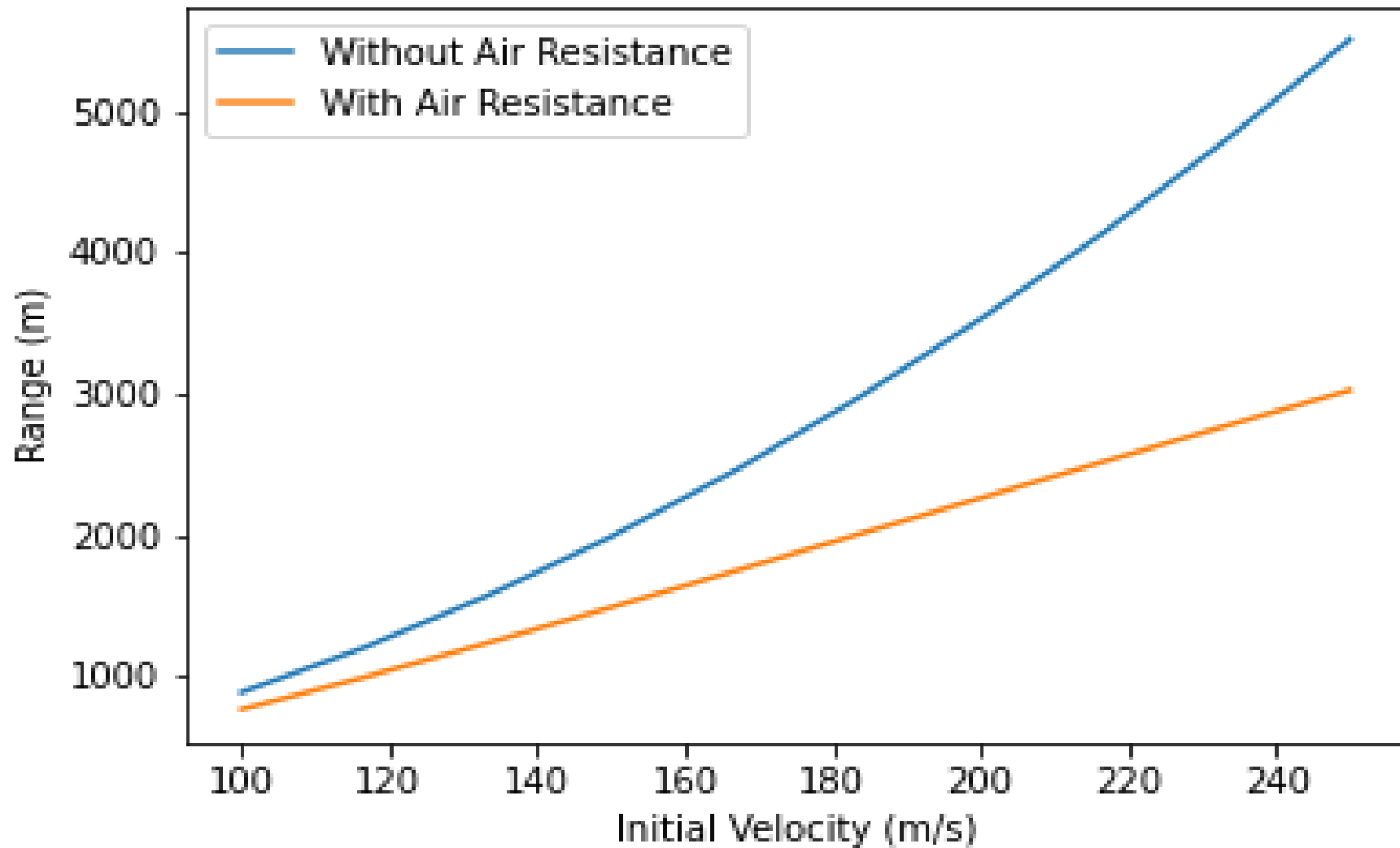
Error Comparison of Euler's method and RK4 method



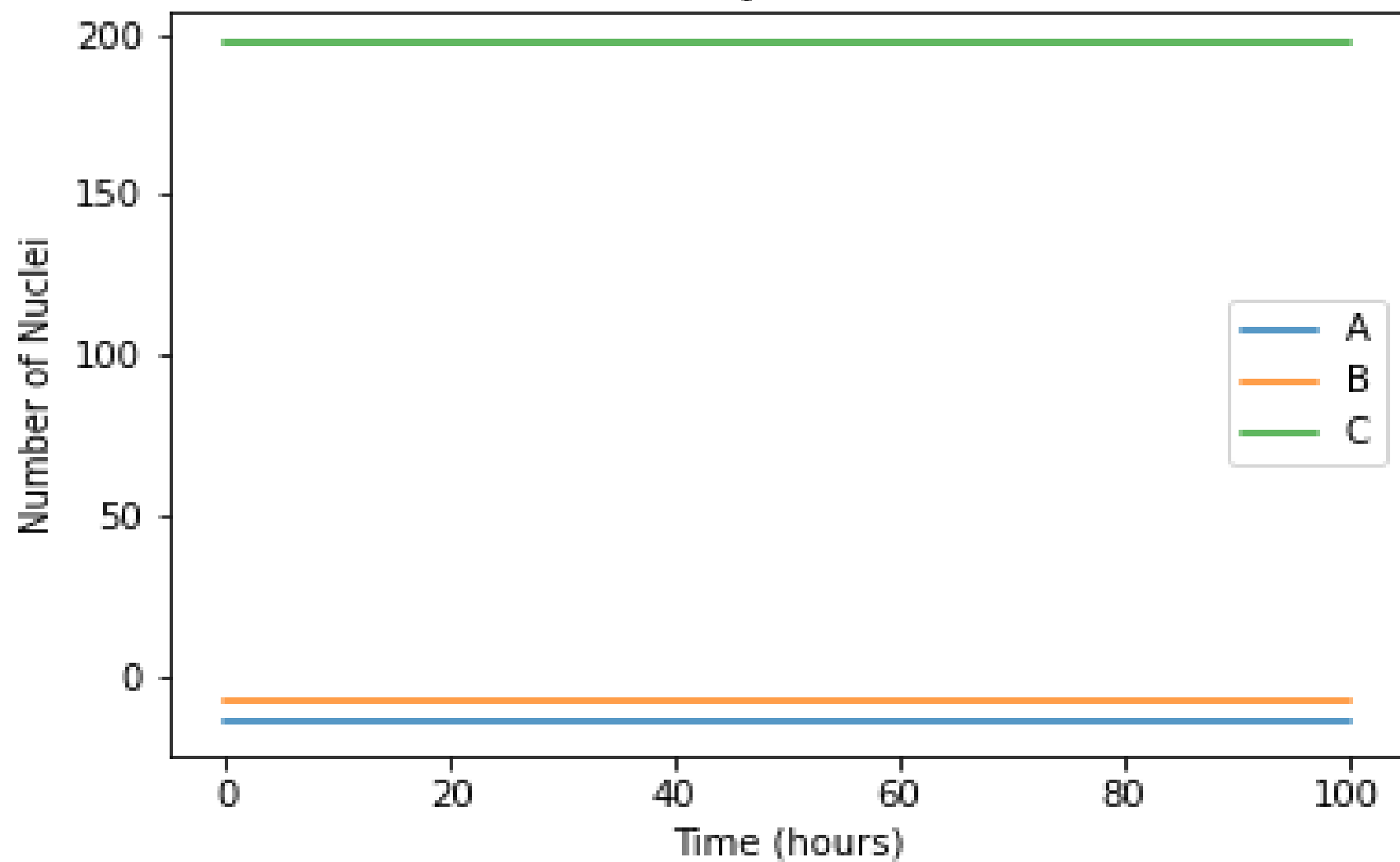
Trajectories of Cannonball for Different Initial Angles



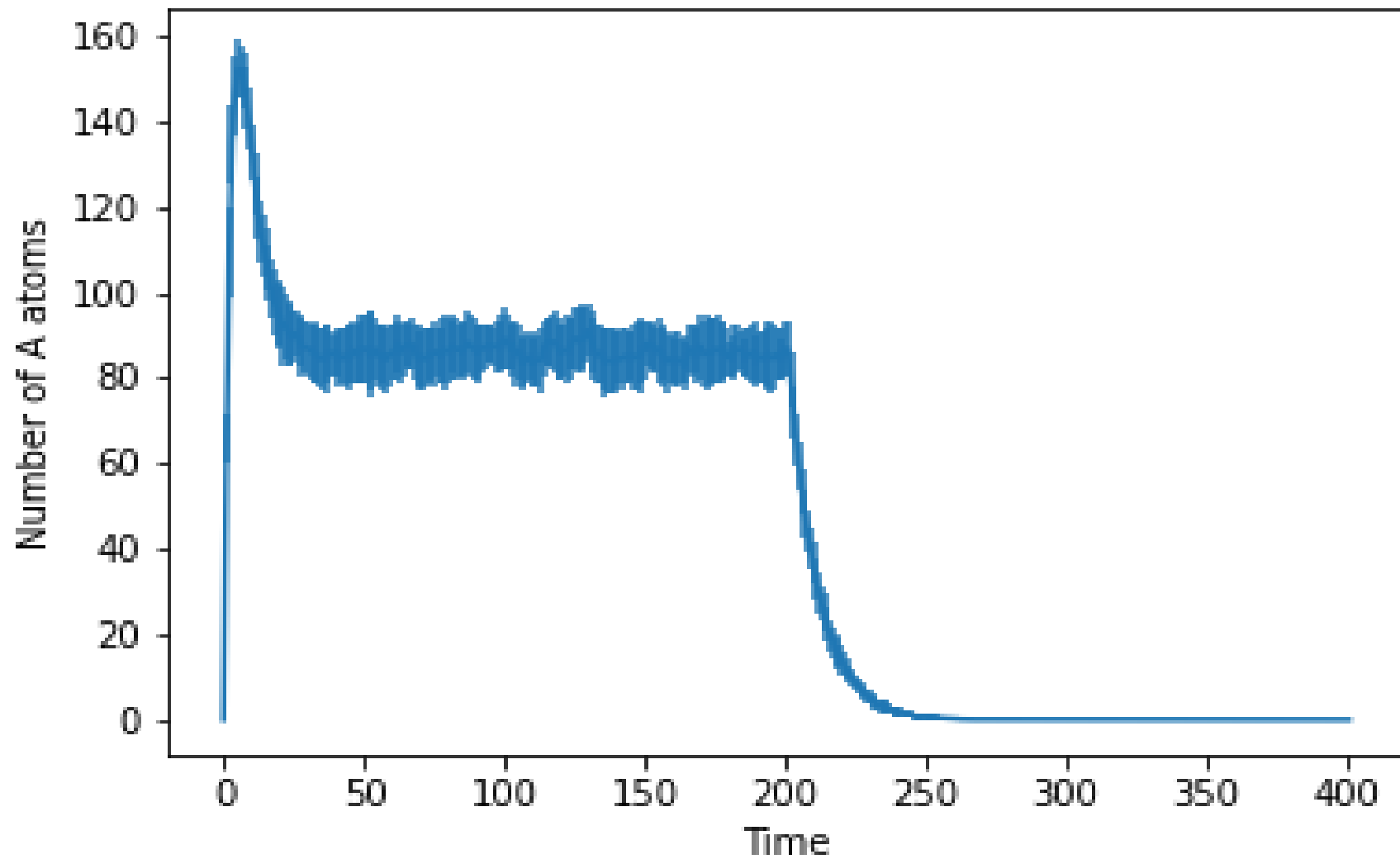
Effect of Initial Velocity on Projectile Range



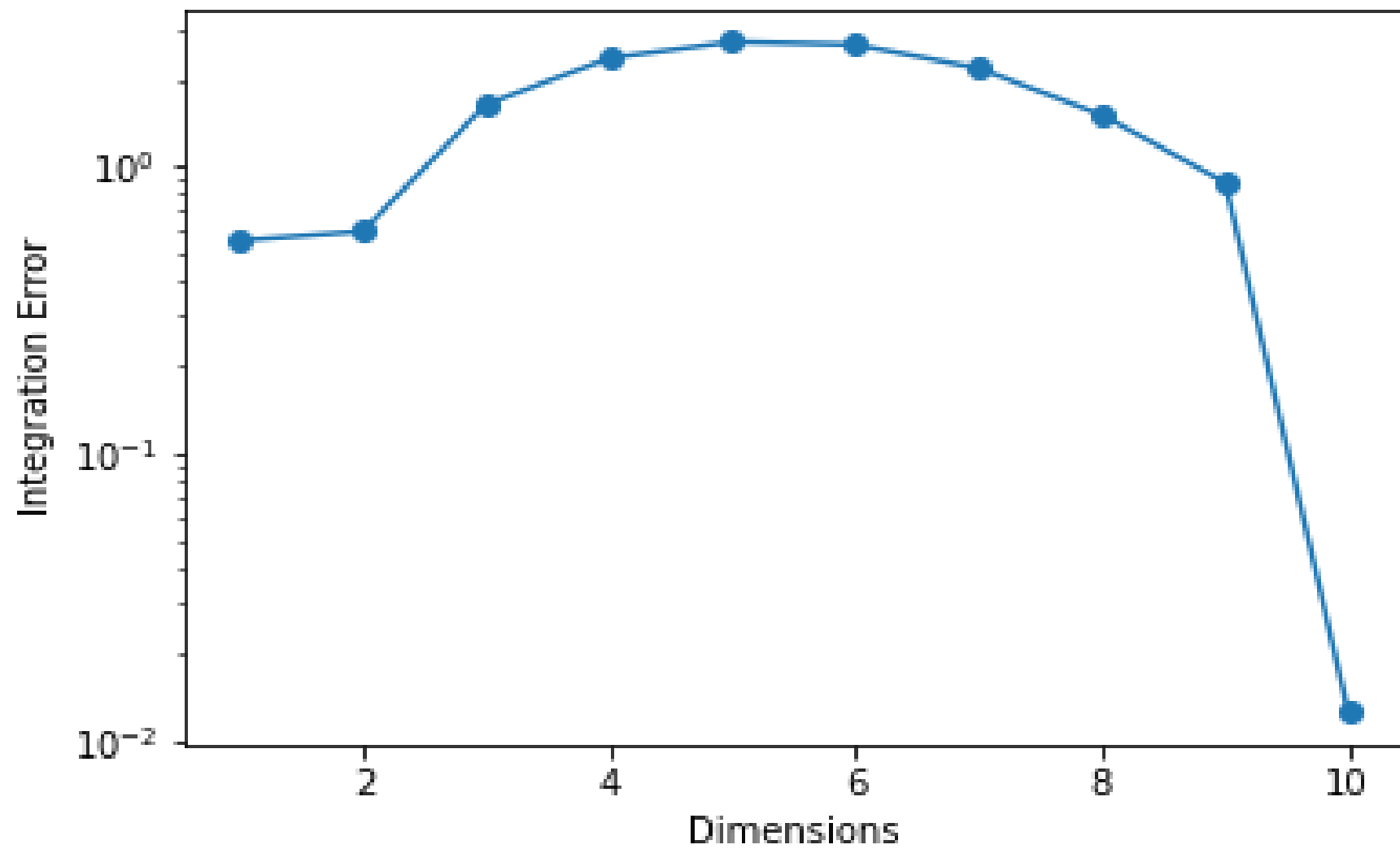
Nuclei Decay and Activation



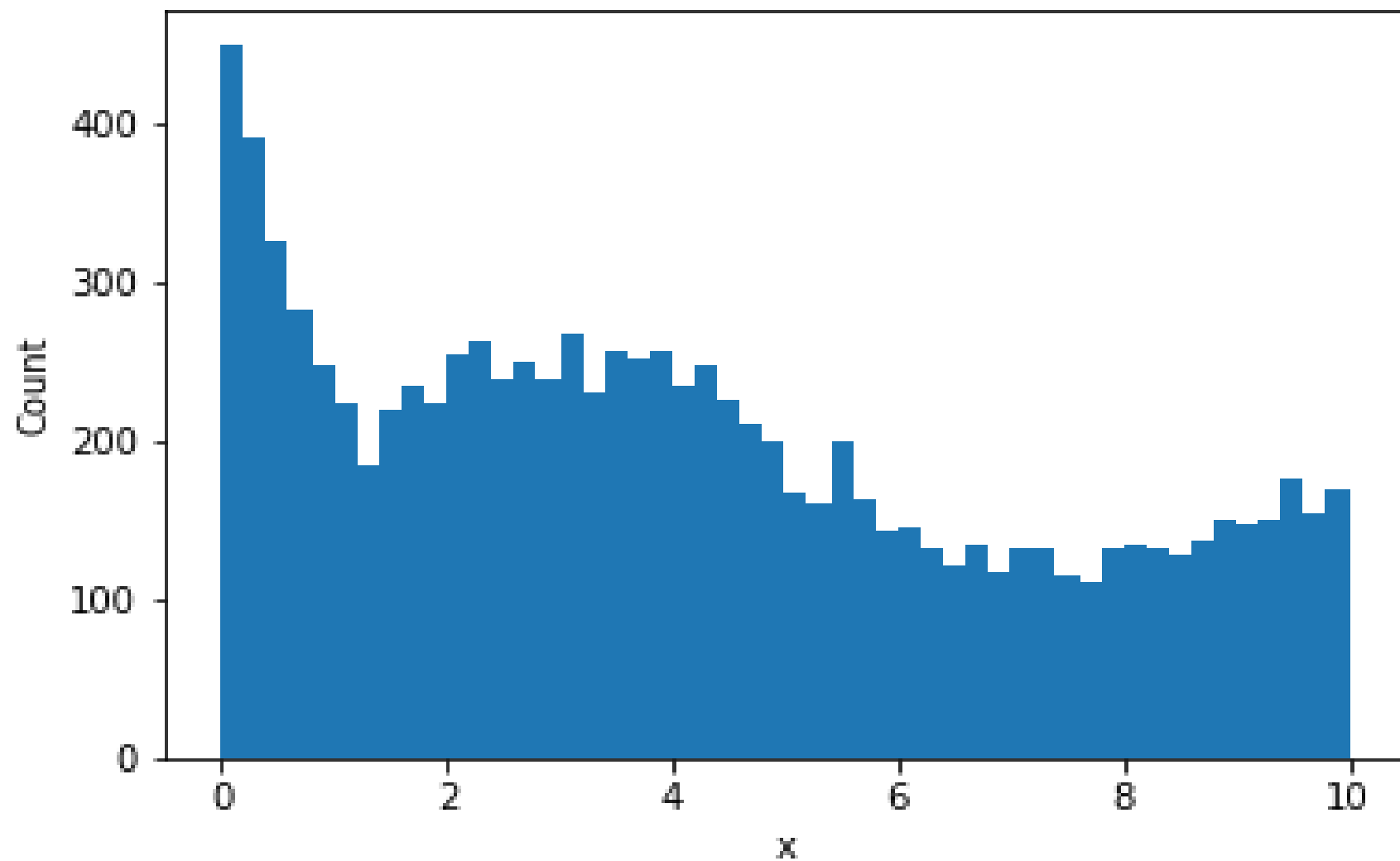
Number of A atoms as a function of time



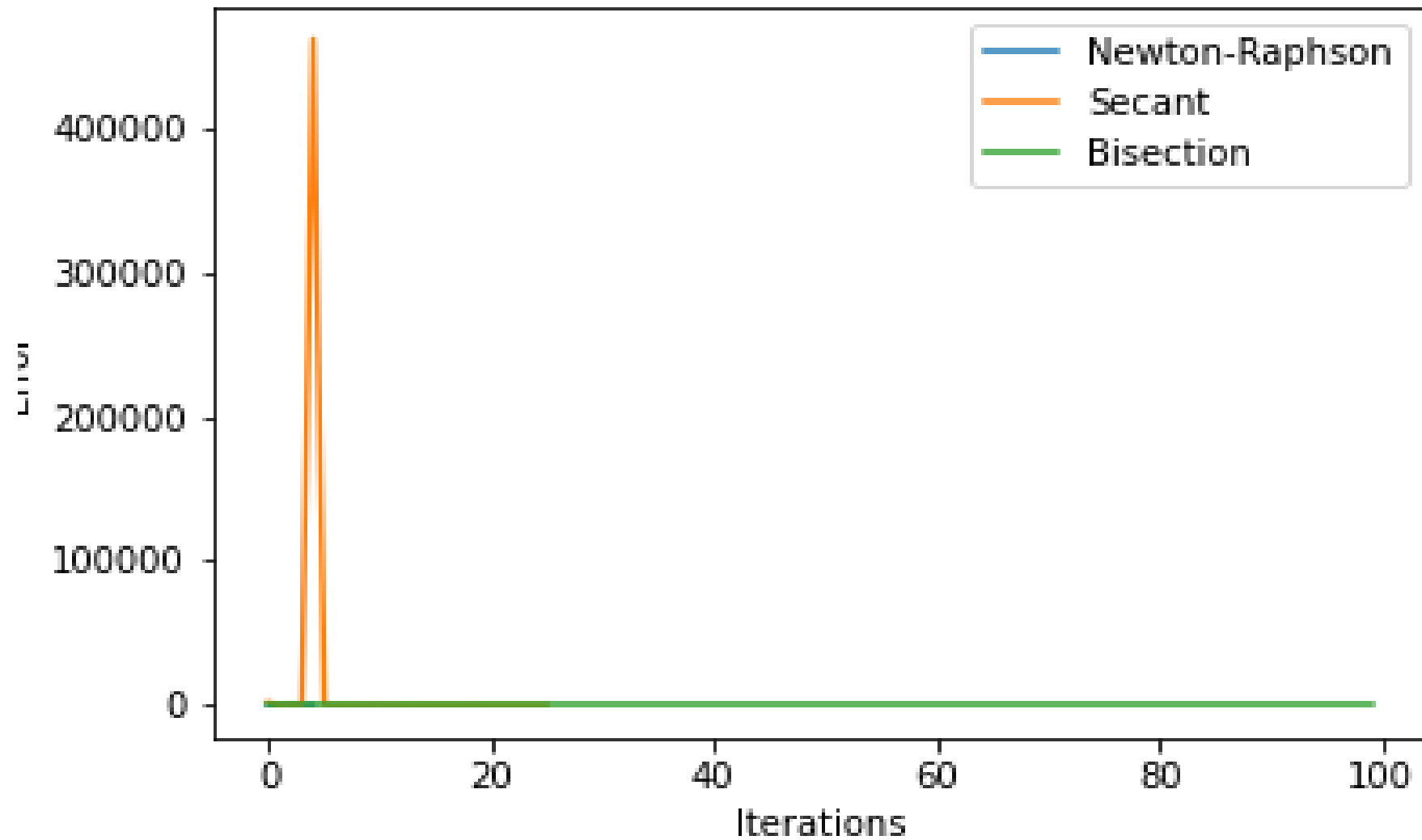
Integration Error vs Dimensions



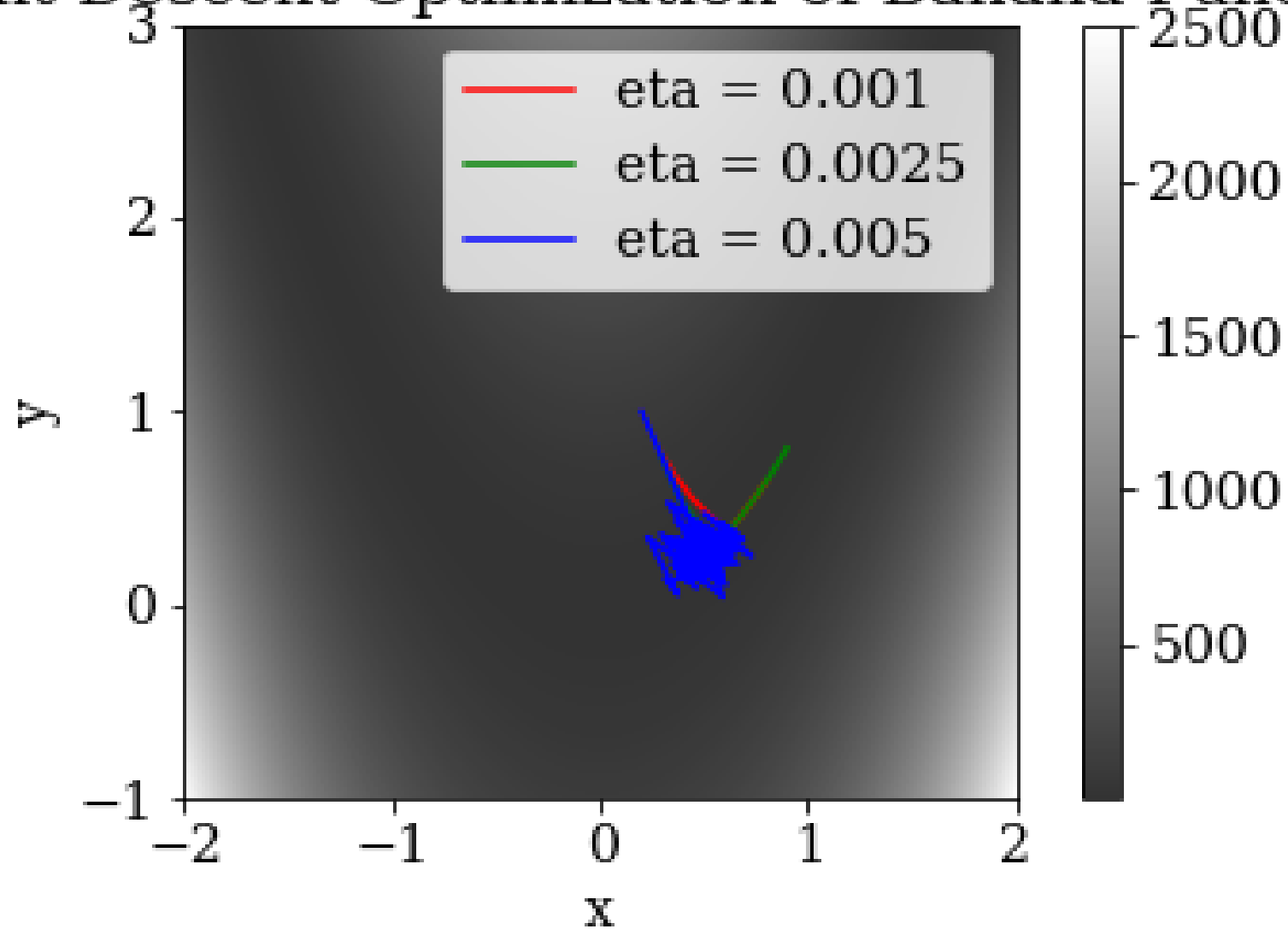
Distribution of Values Generated by genSample



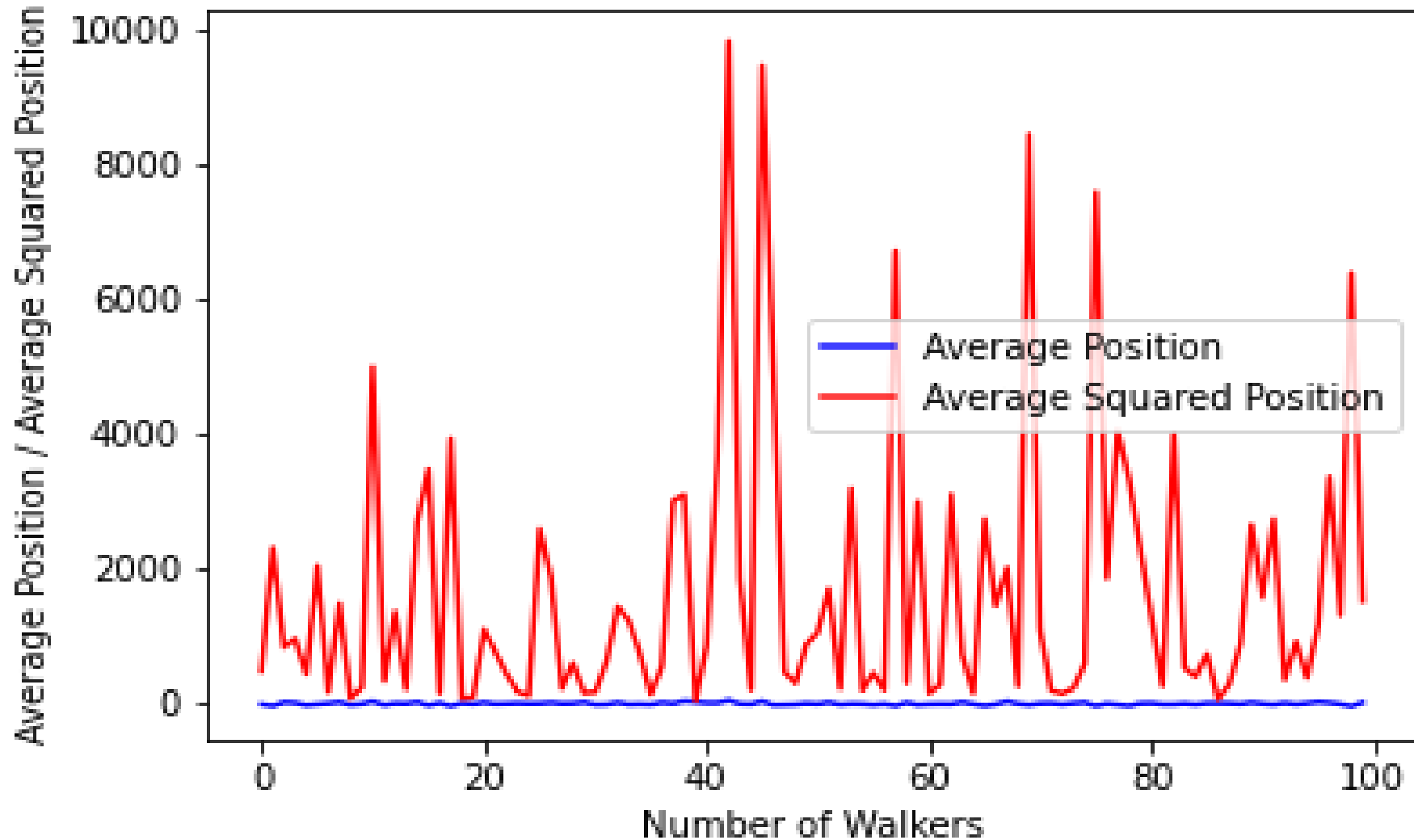
Convergence of Root-Finding Methods



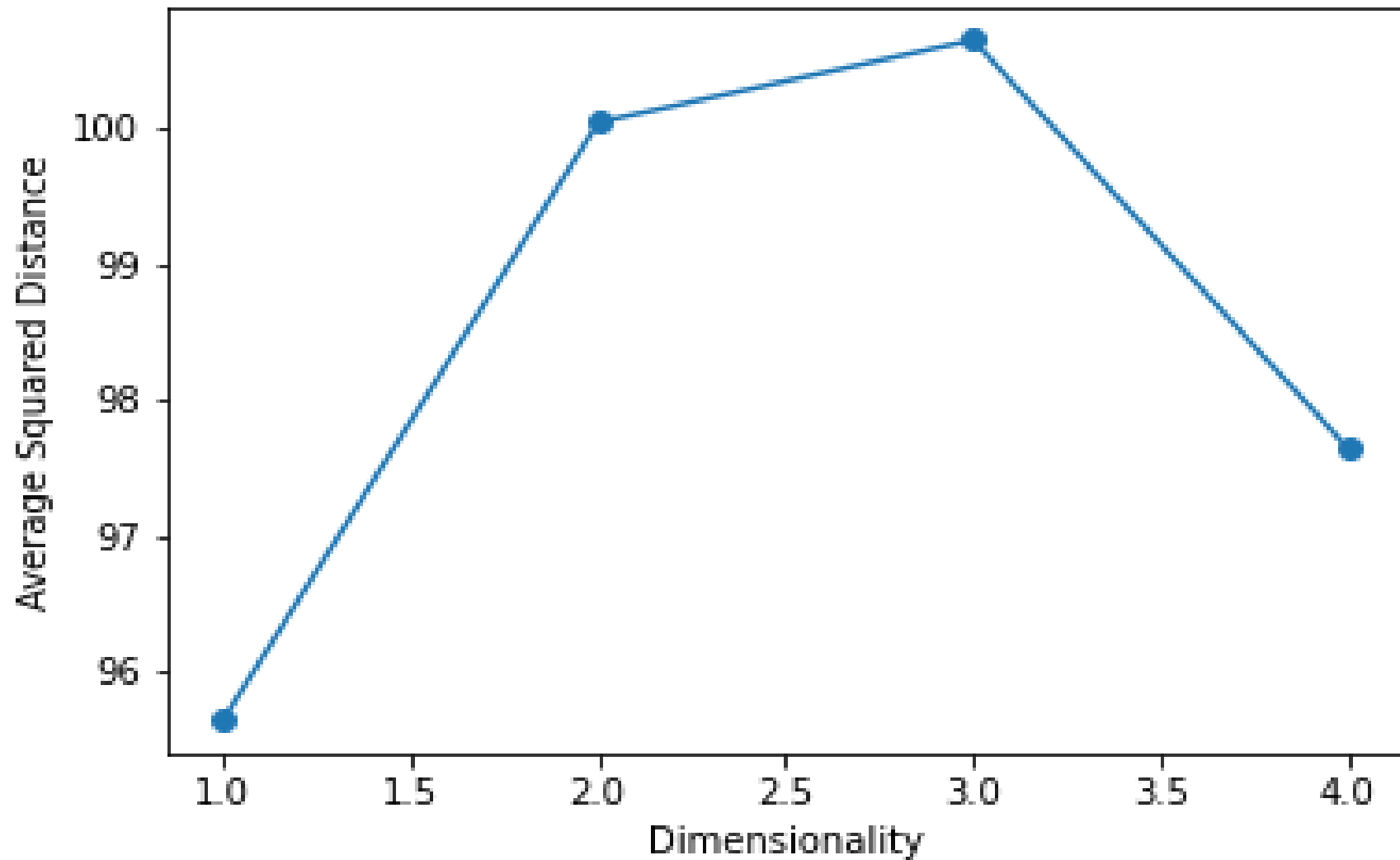
Gradient Descent Optimization of Banana Function



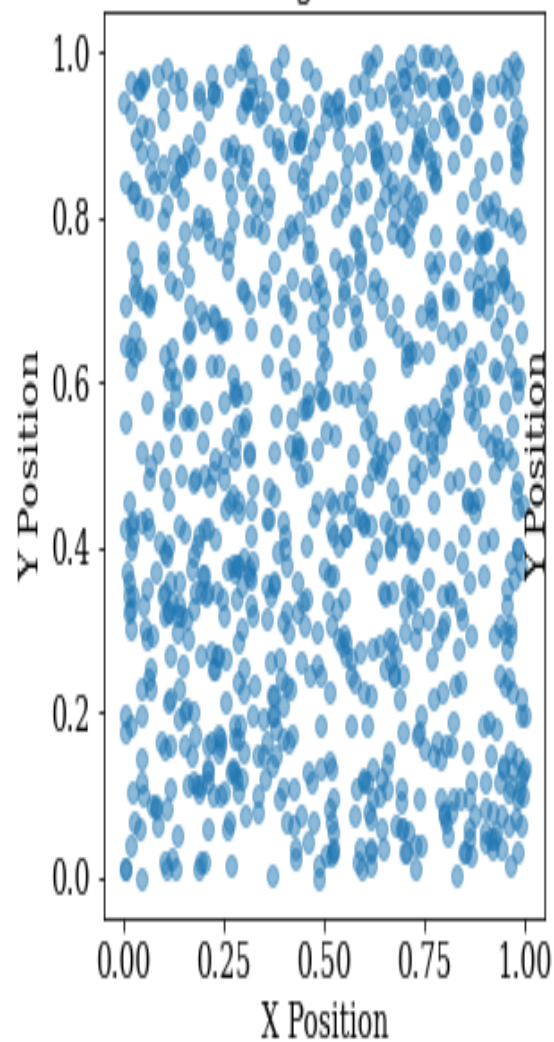
1D Random Walk - Average Position and Average Squared Position



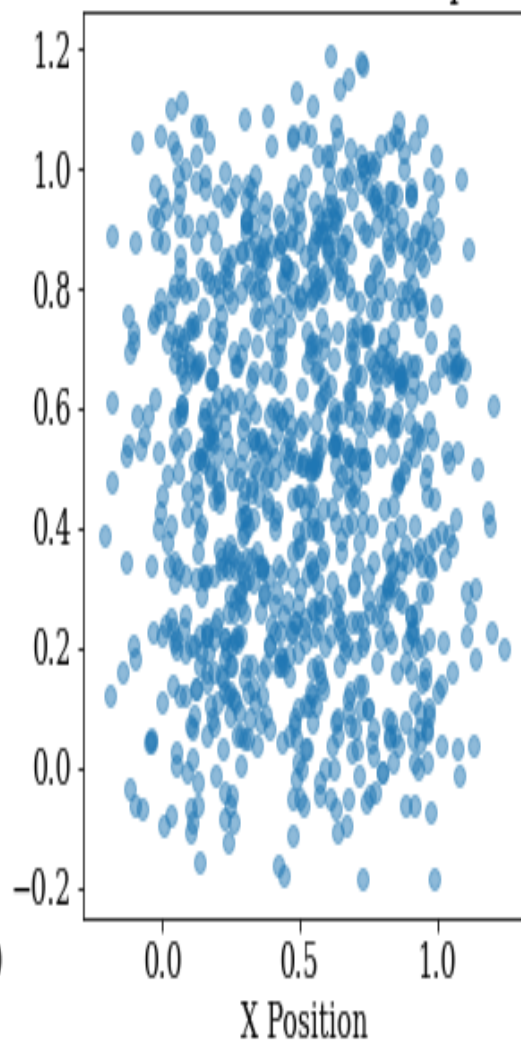
Average Squared Distance vs Dimensionality



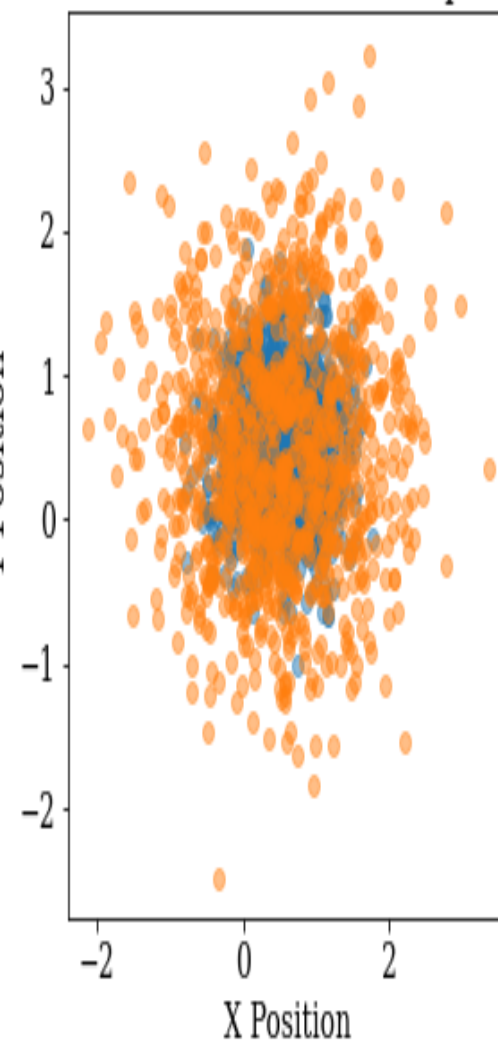
Starting Positions



Positions after 10 Steps



Positions after 500 Steps



AI?