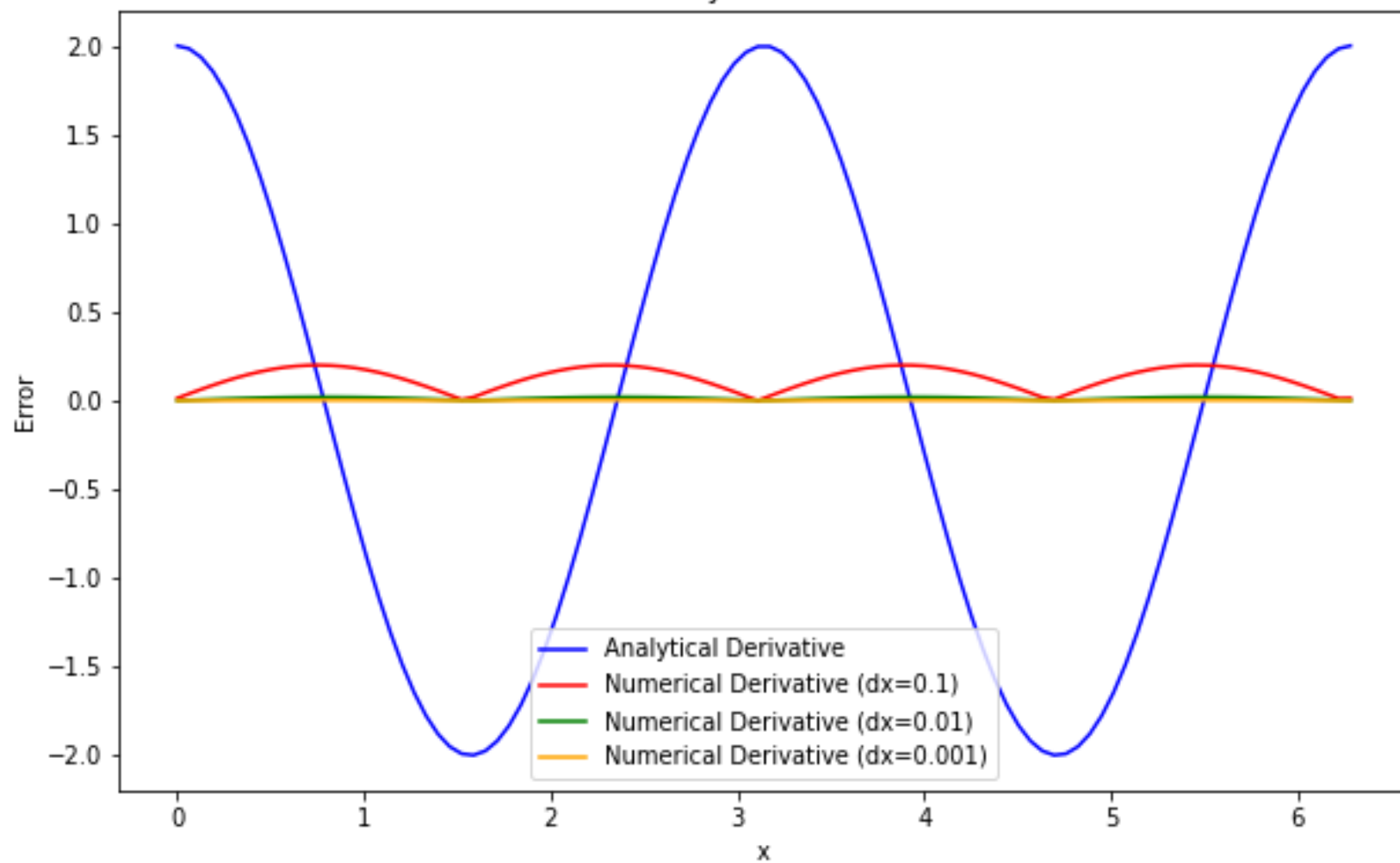
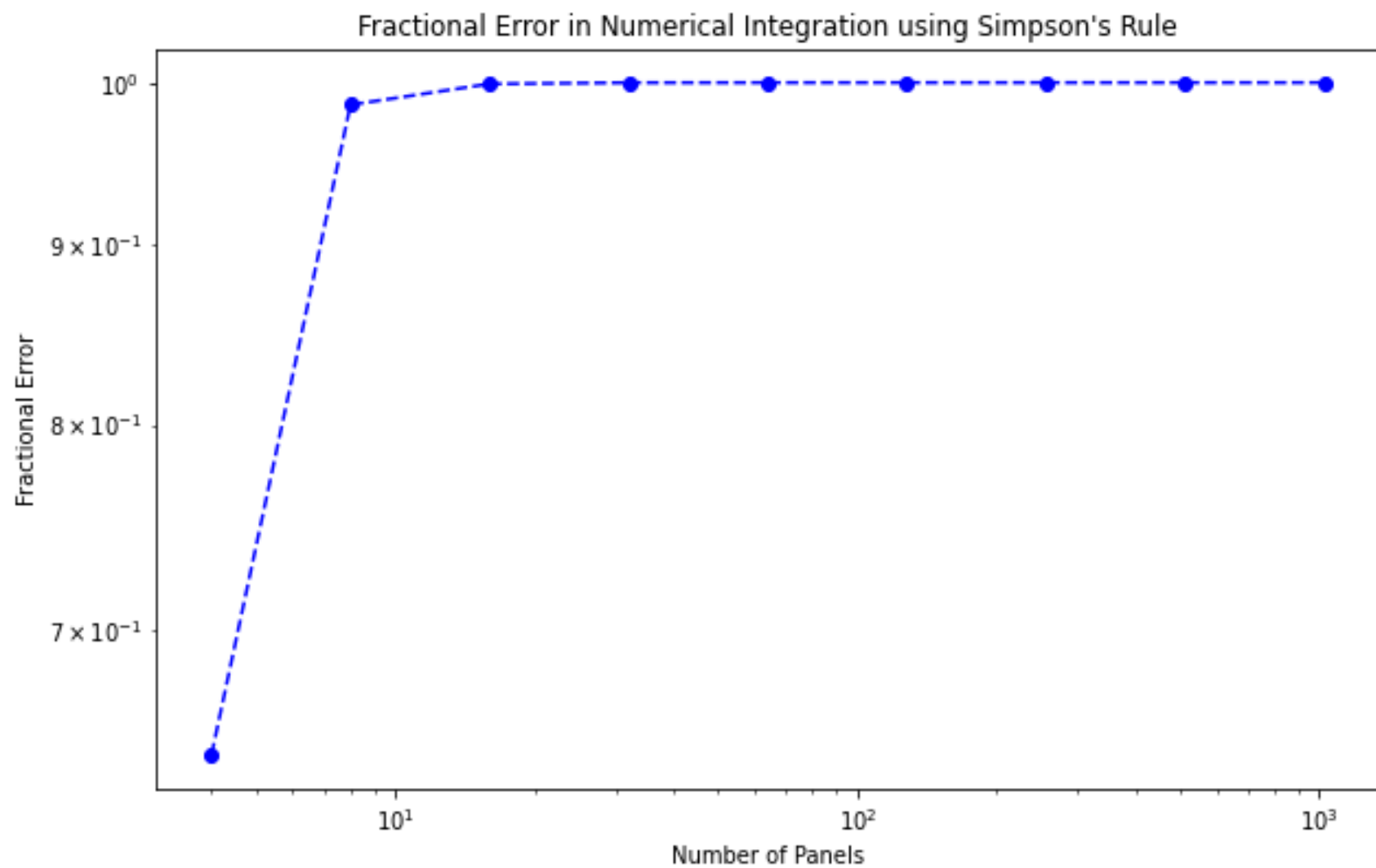


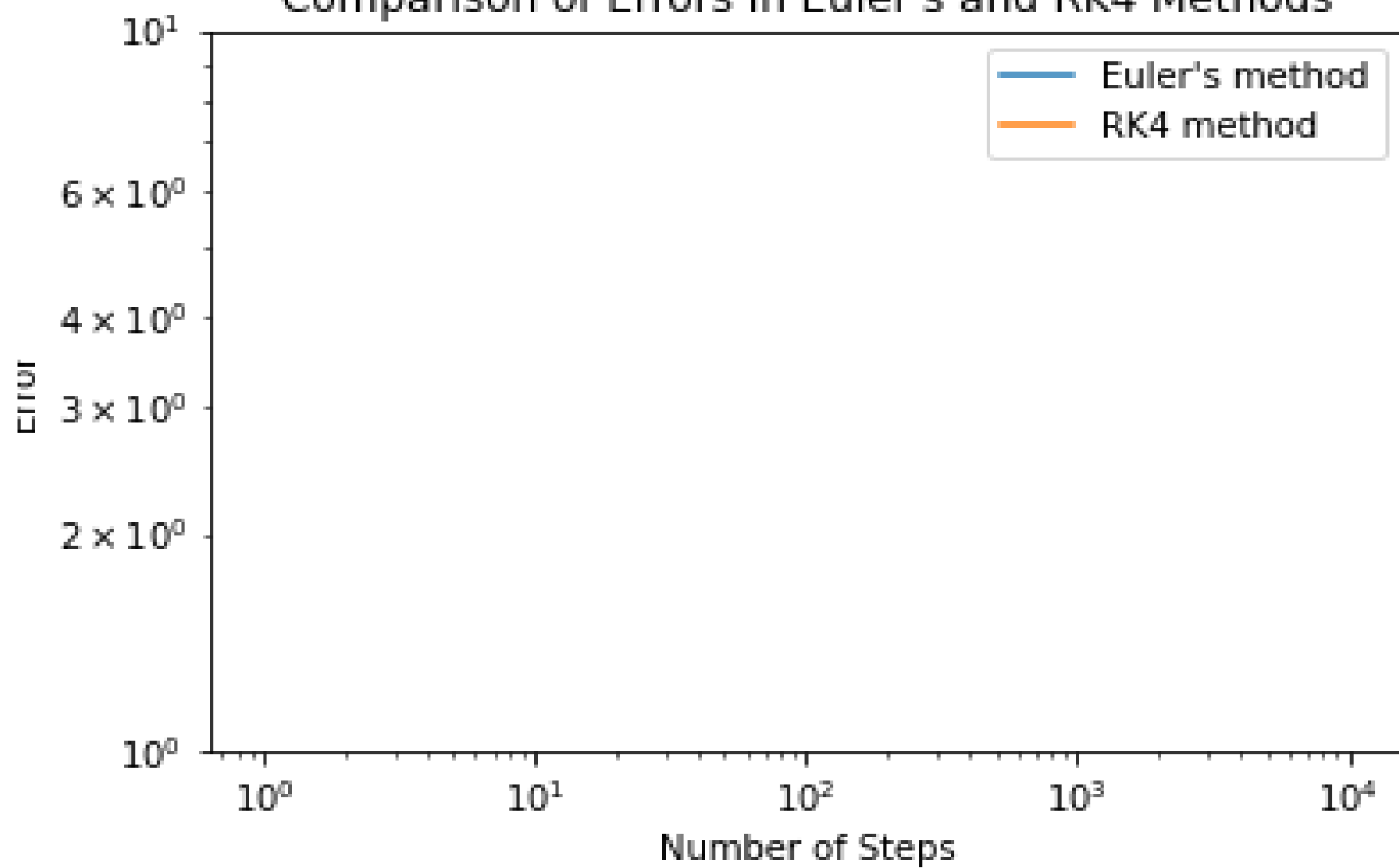
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Difference between Analytical and Numerical Derivatives

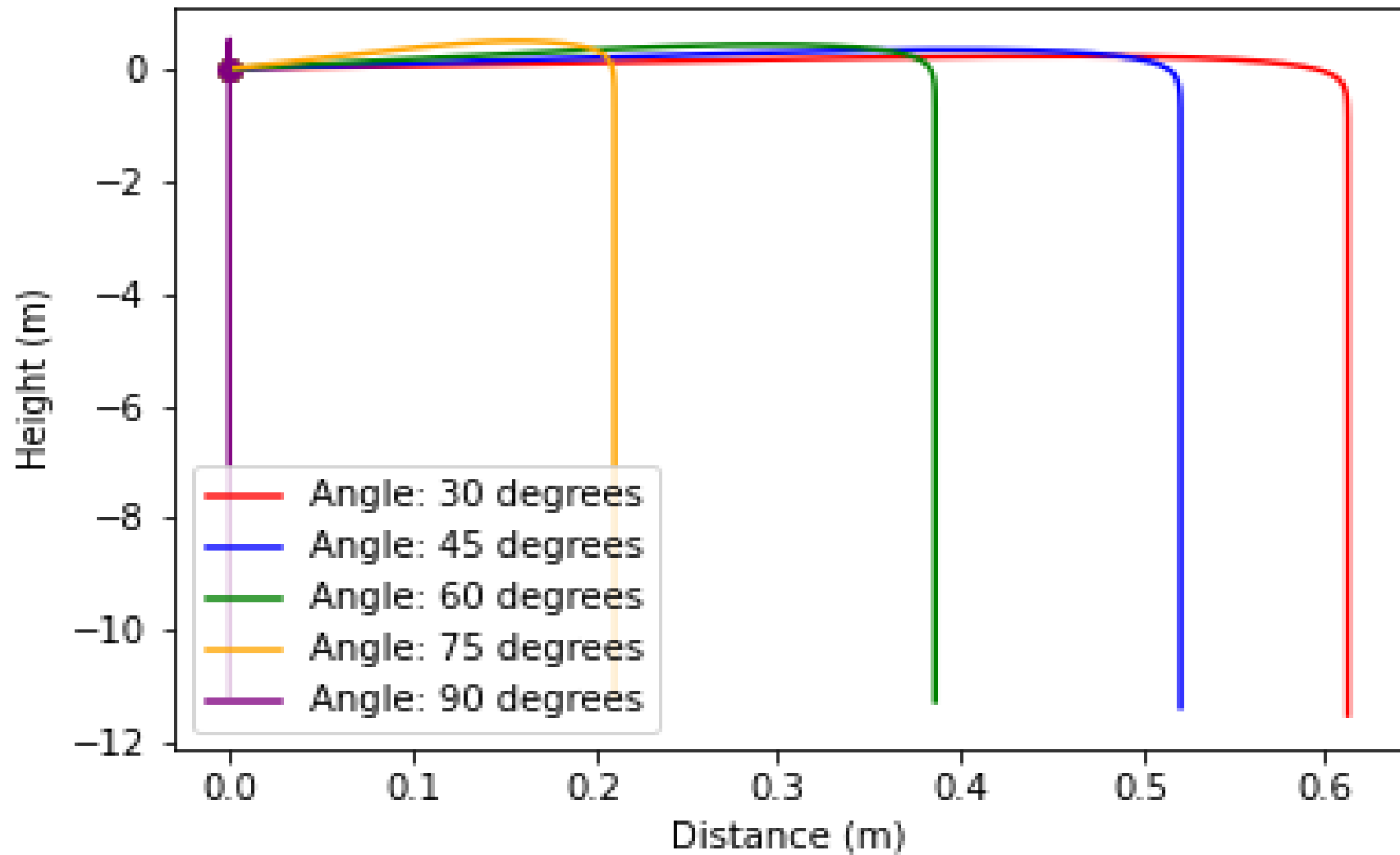




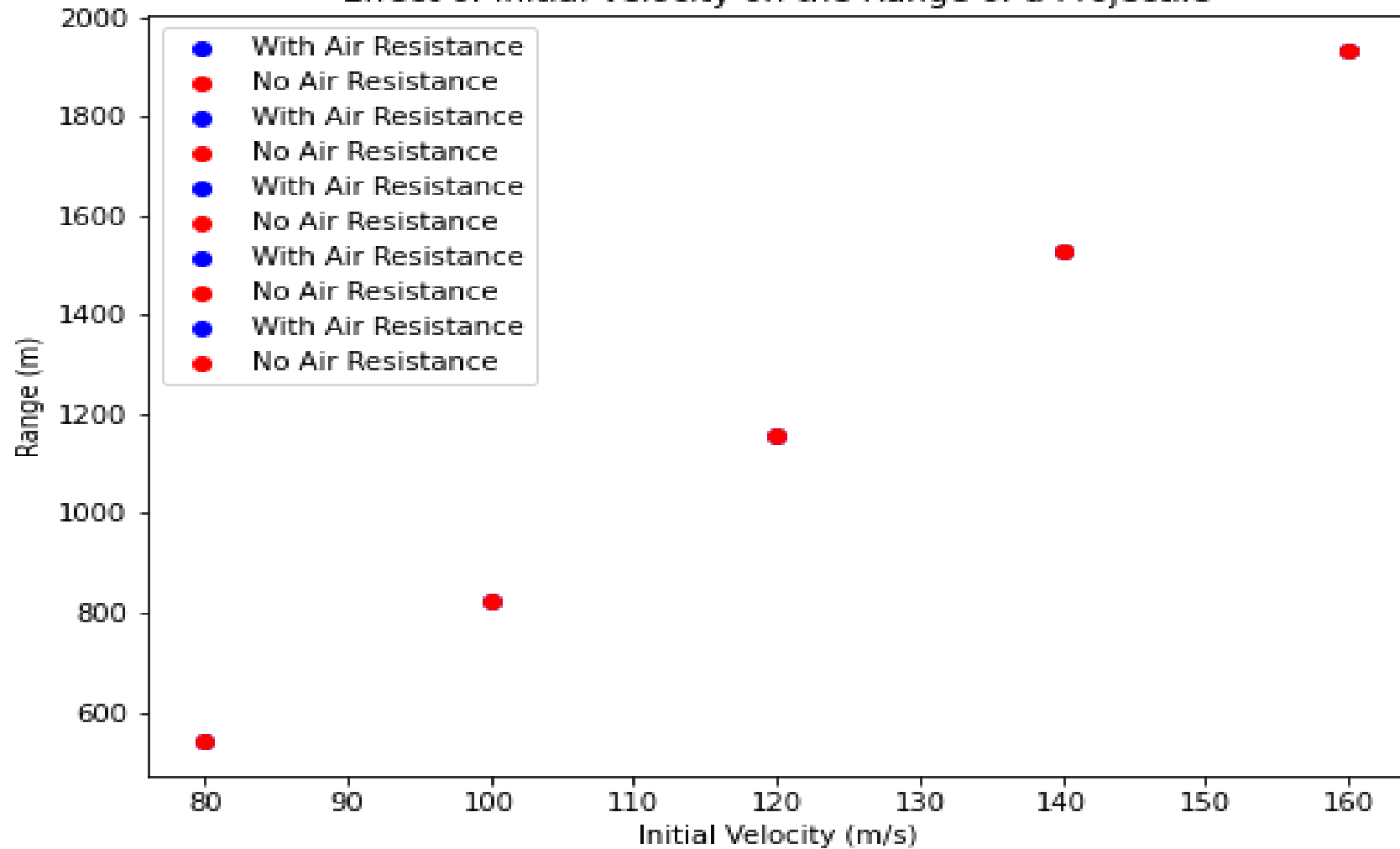
Comparison of Errors in Euler's and RK4 Methods



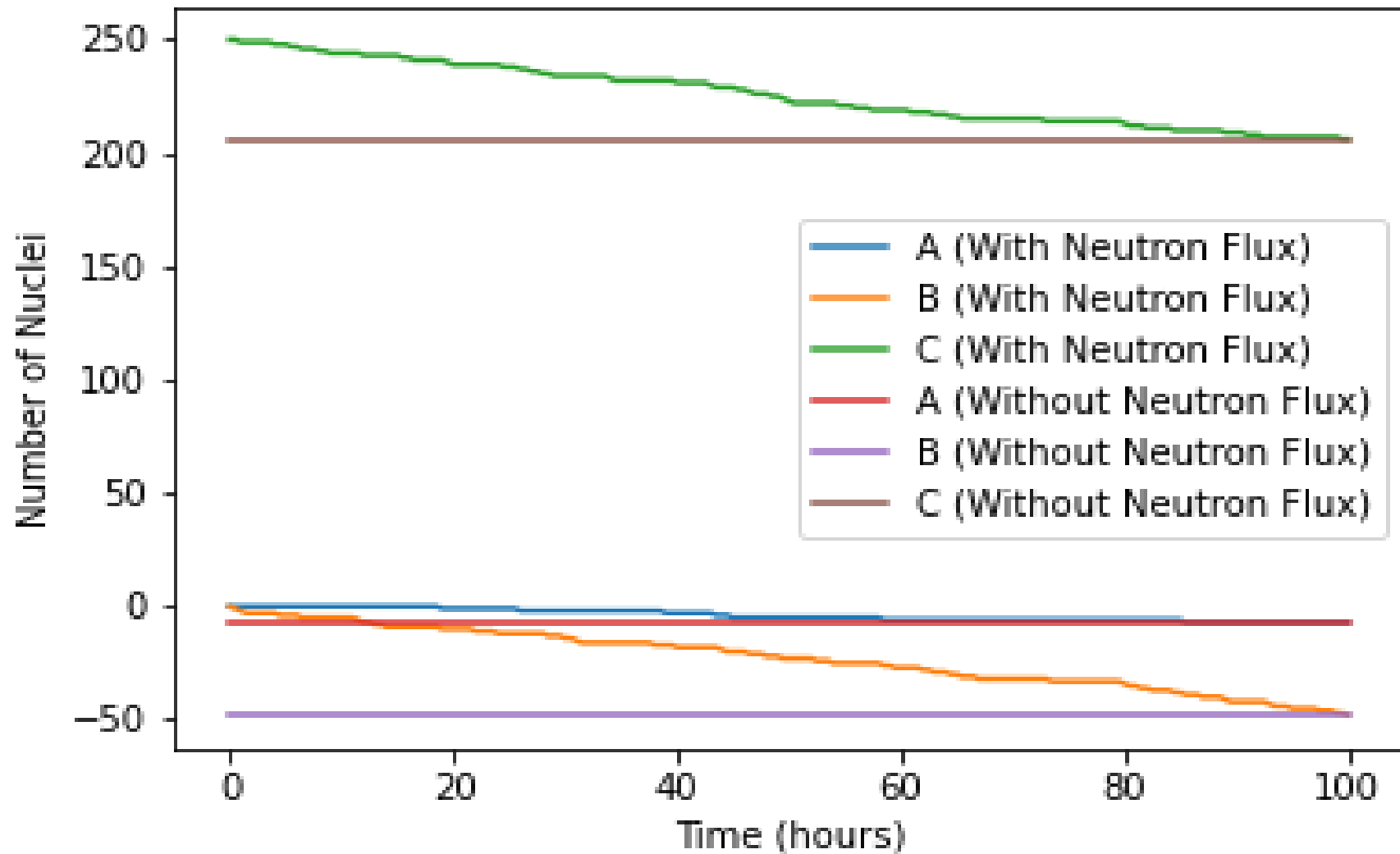
Trajectories of Cannonball



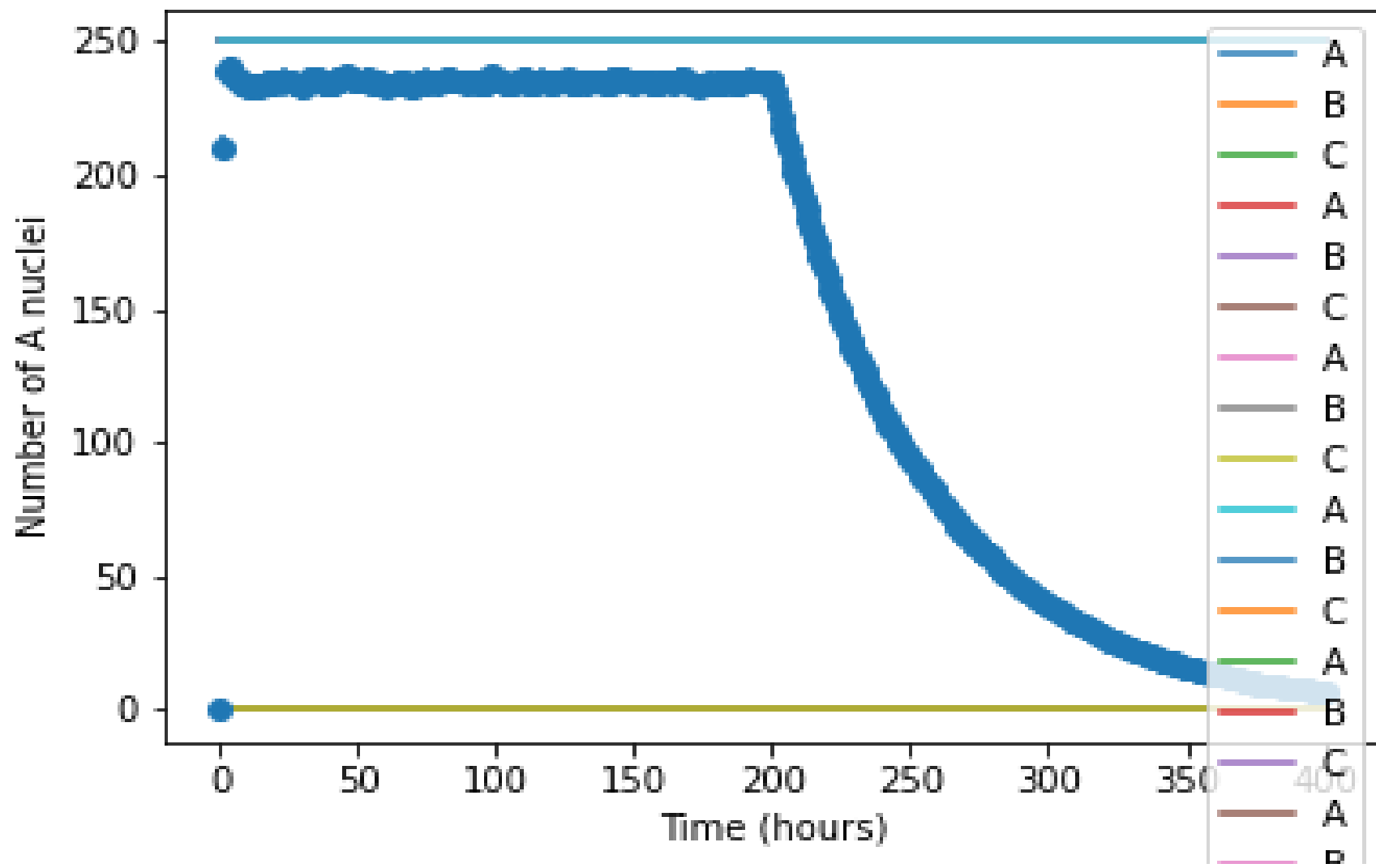
Effect of Initial Velocity on the Range of a Projectile



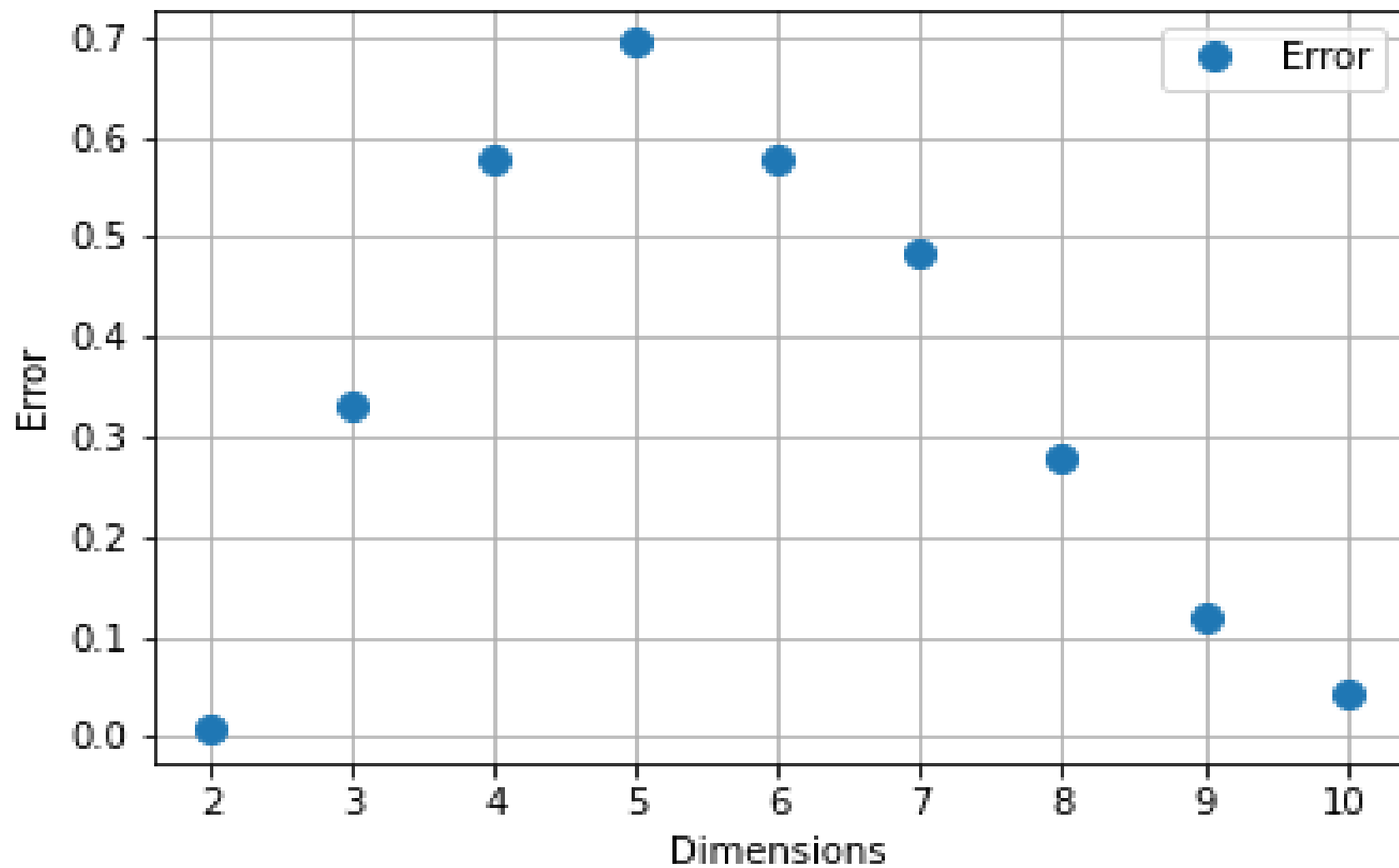
Nuclei Decay and Activation



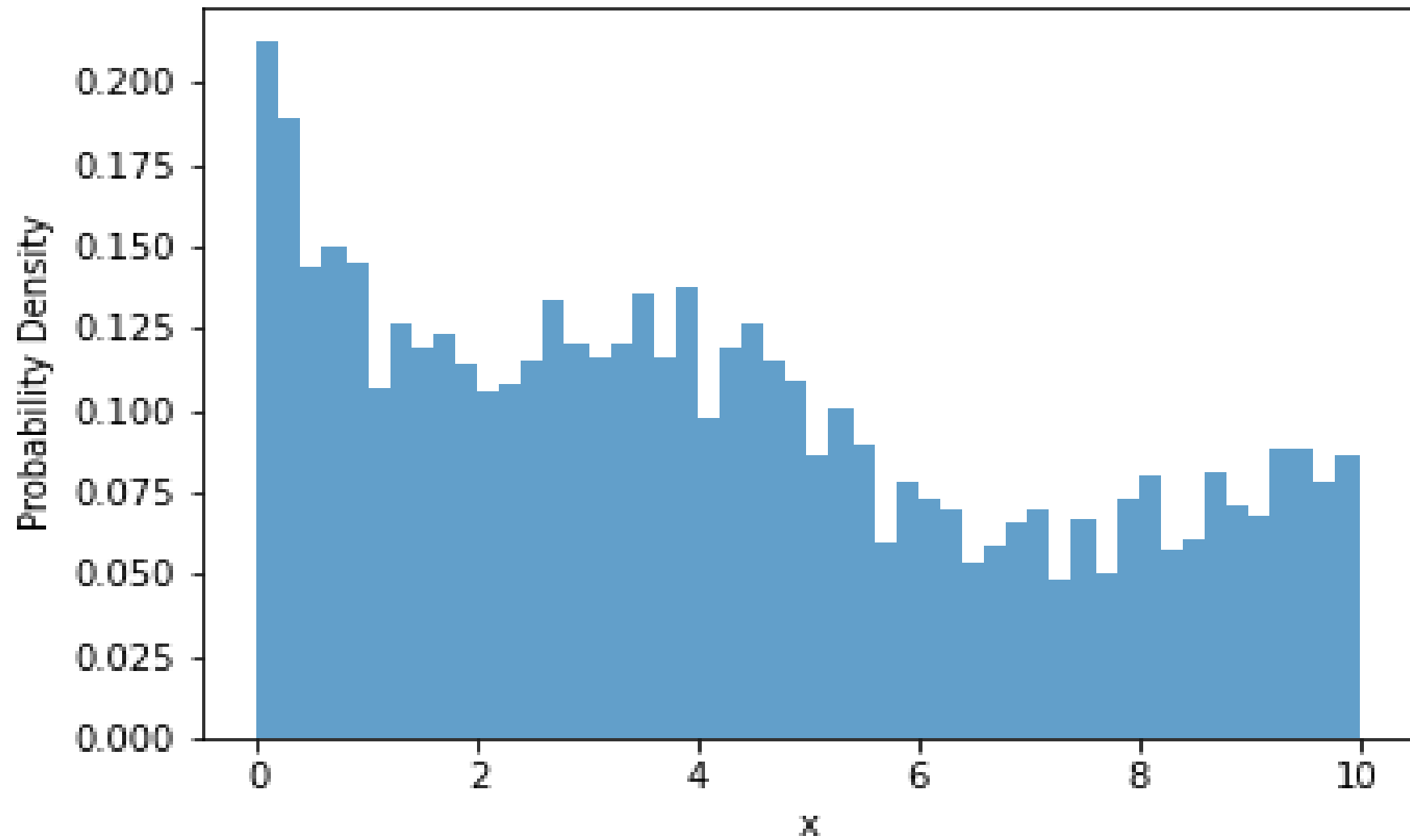
Average Number of A nuclei as a function of time



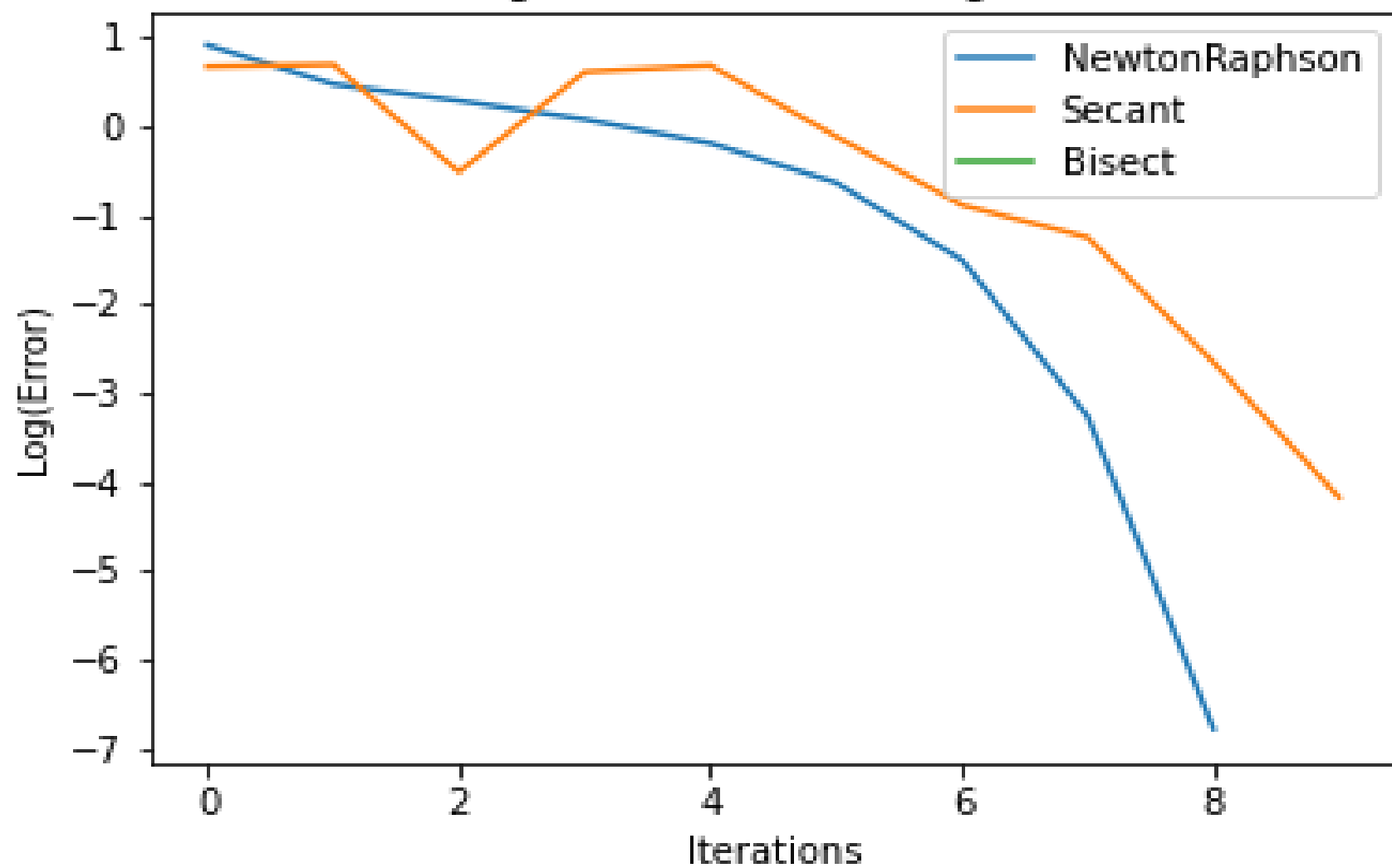
Monte Carlo Integration Error



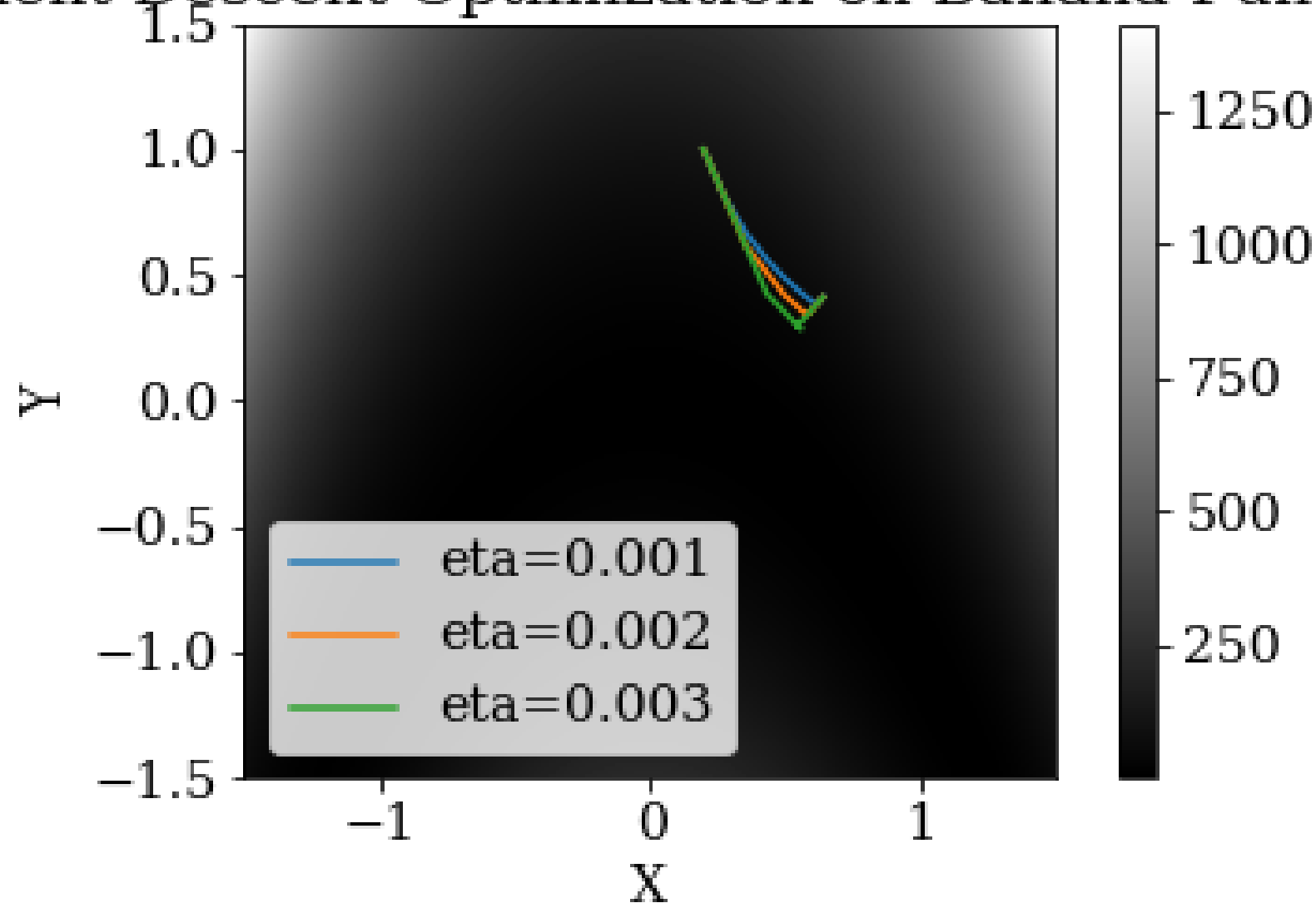
Distribution of Values Generated by genSample



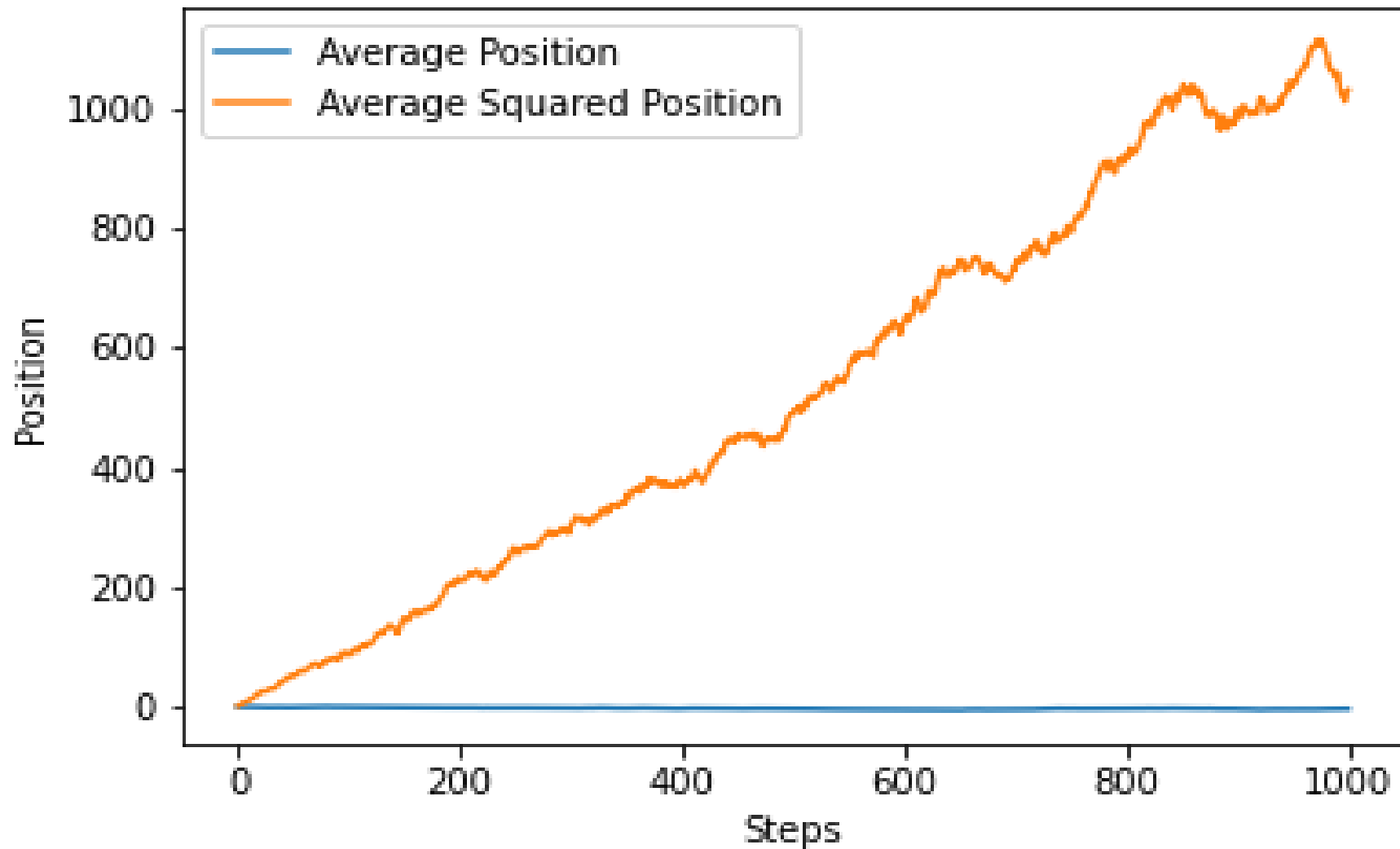
Convergence of Root-Finding Methods



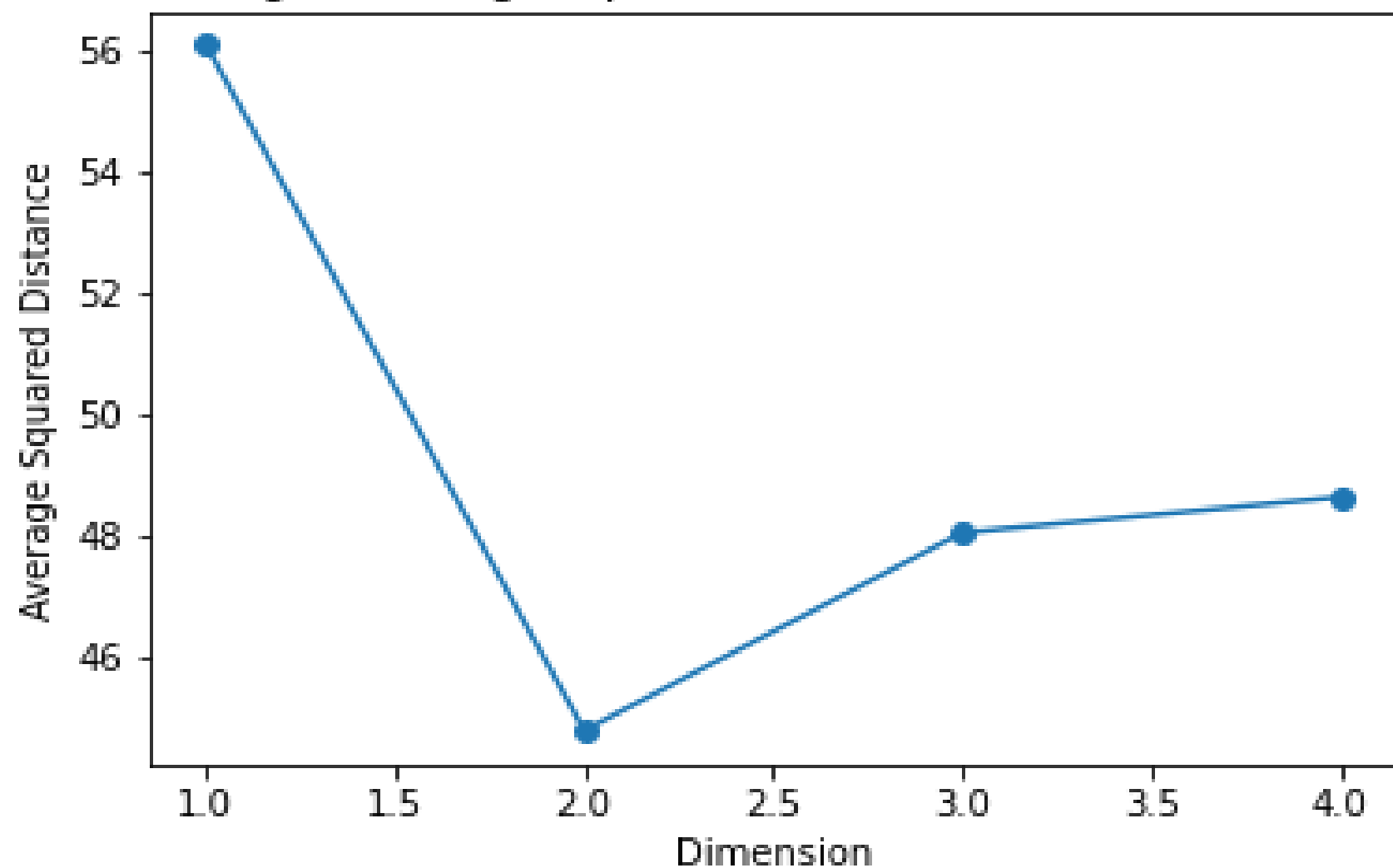
Gradient Descent Optimization on Banana Function



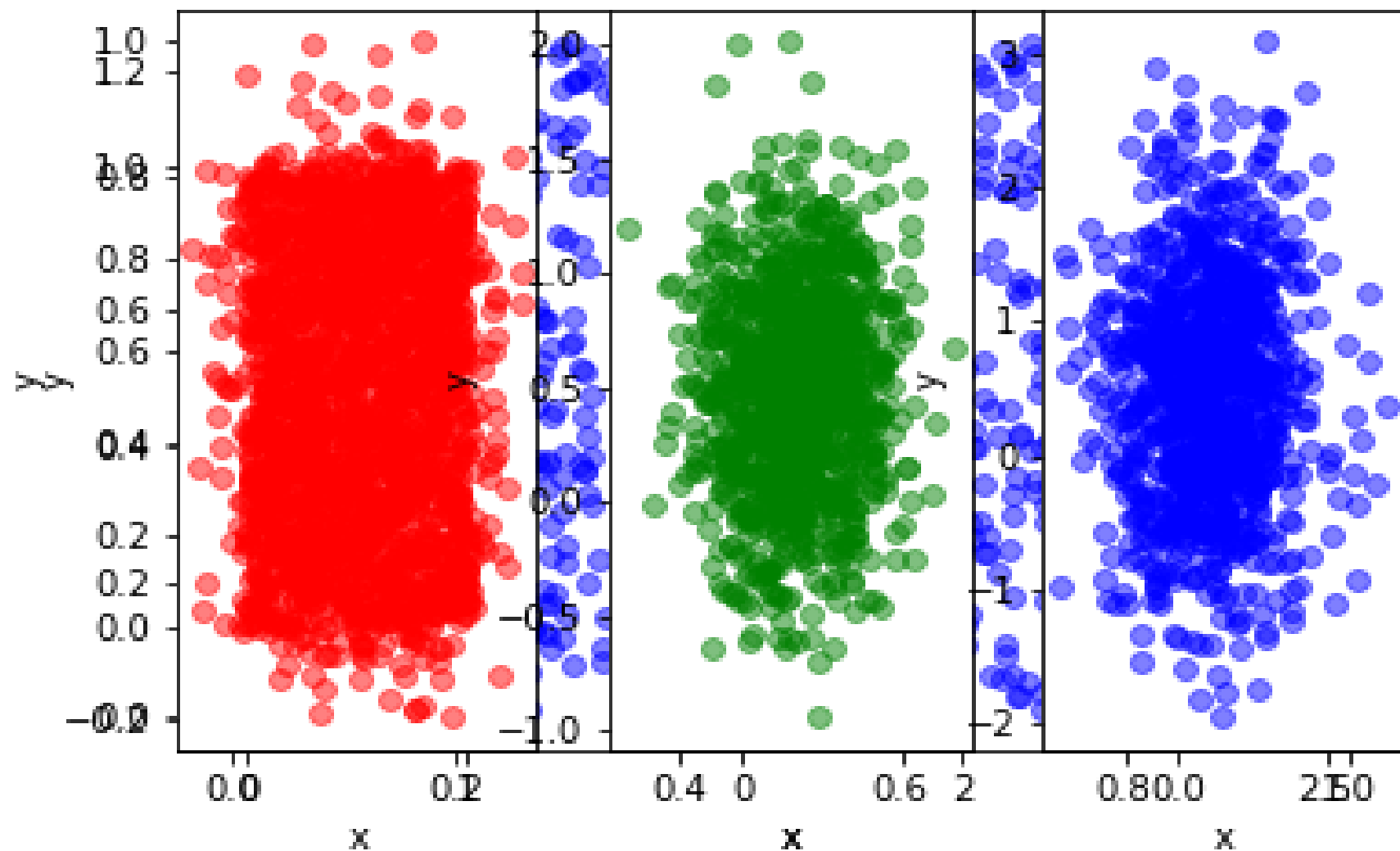
Random Walk: Average Position and Average Squared Position



Scaling of Average Squared Distance with Dimensionality



Positions after 10 Steps Starting at $(0,0)$ Positions after 100 Steps Positions after 500 Steps



AI?