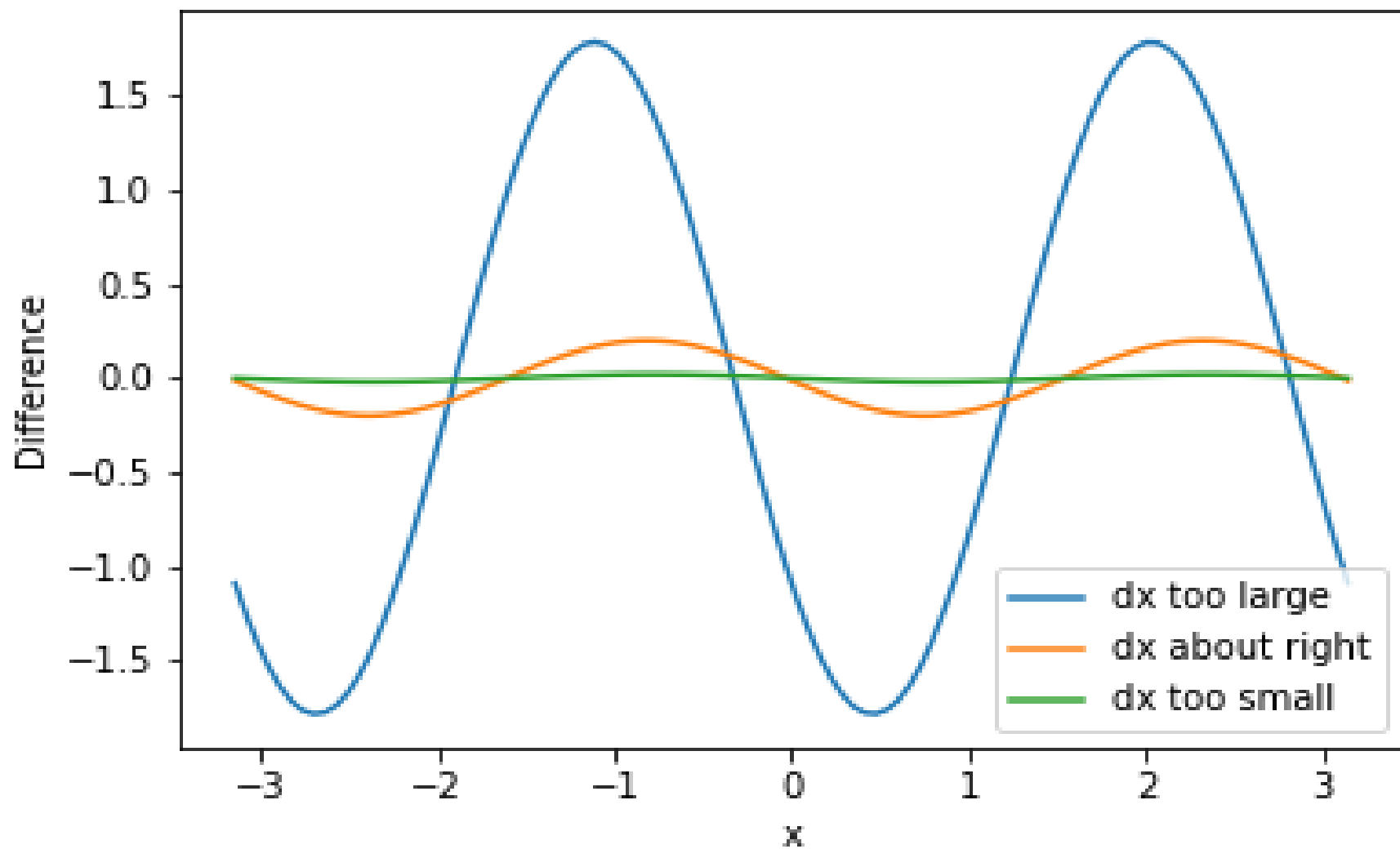
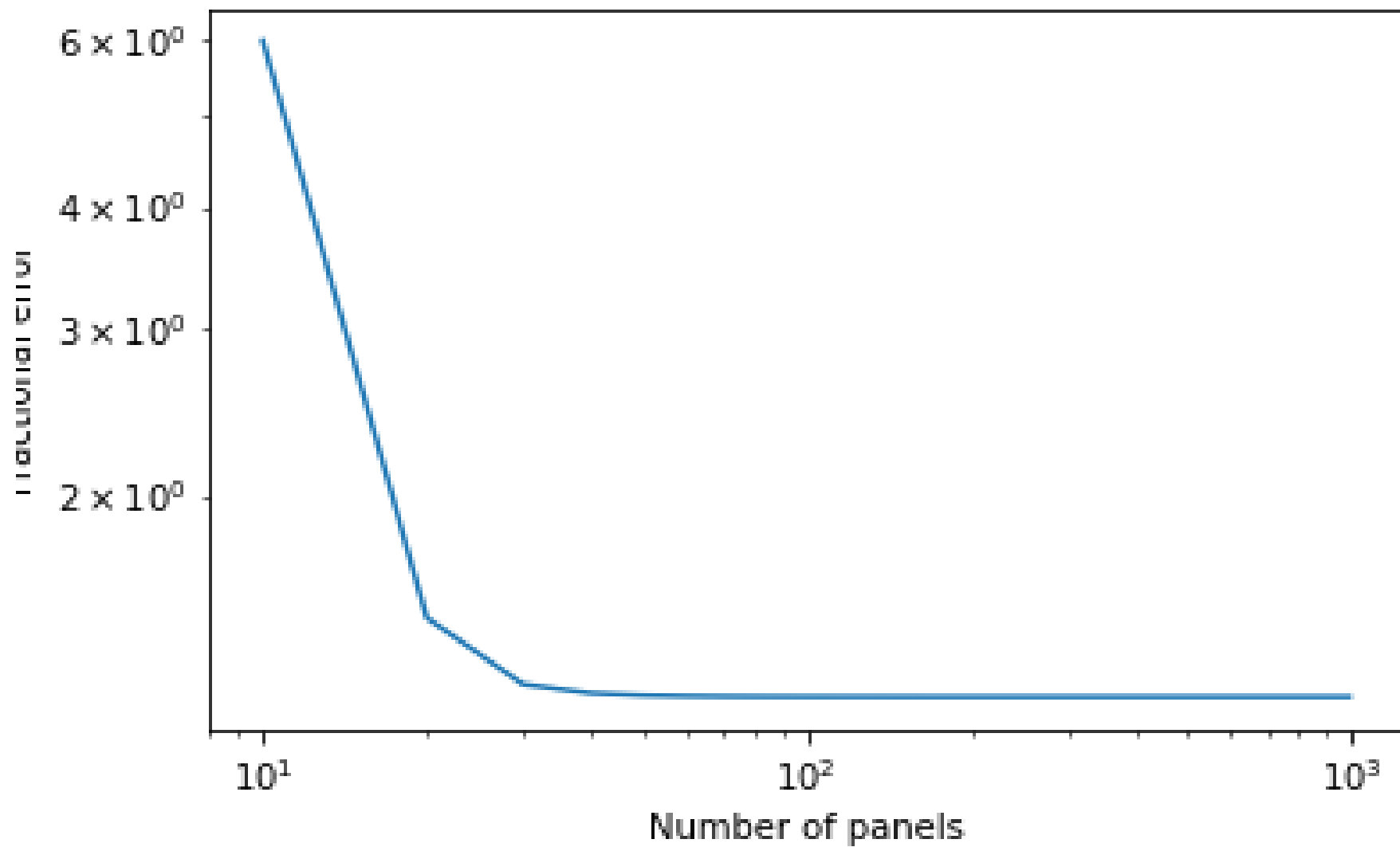


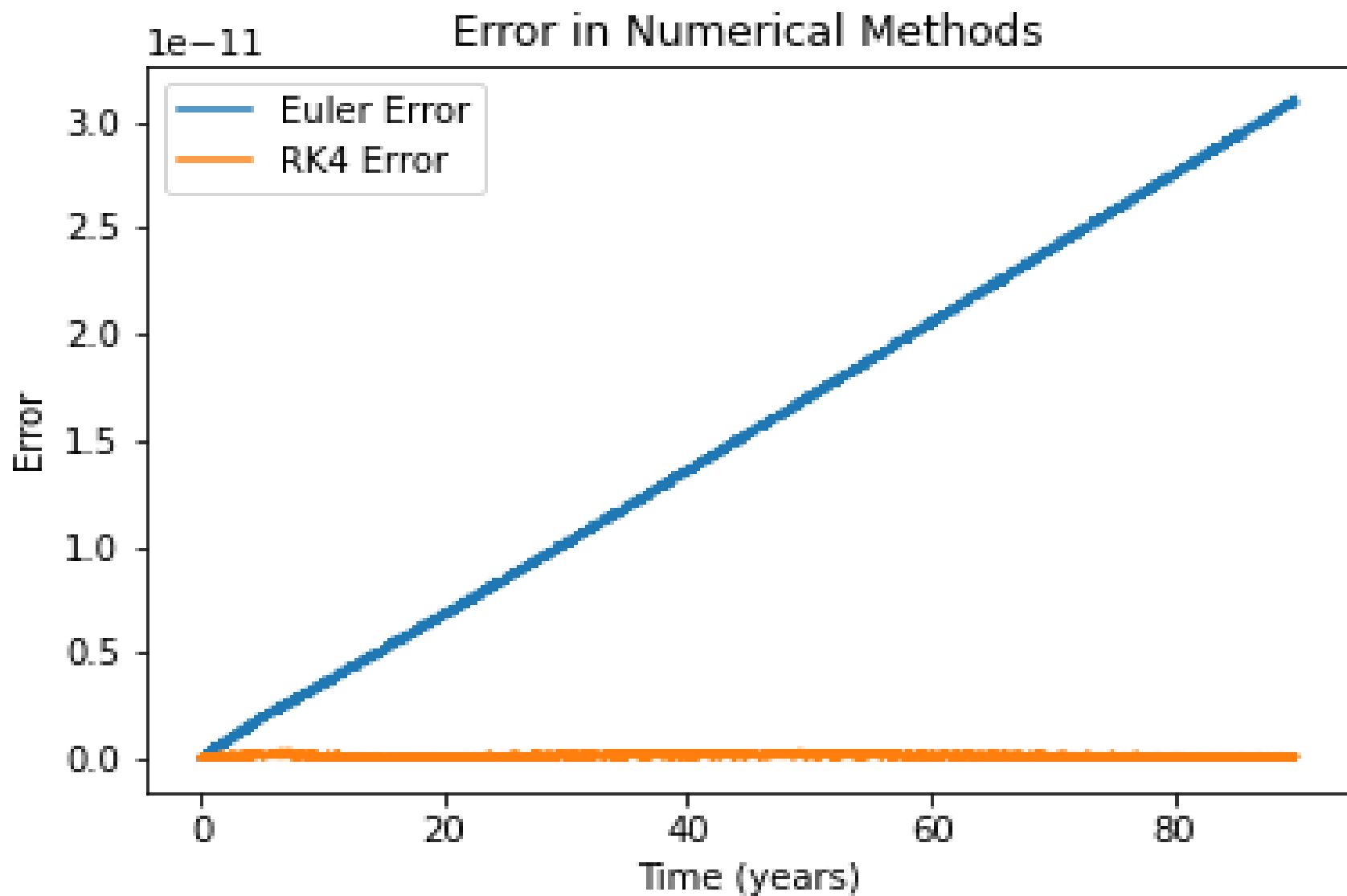
46344

Difference between Analytical and Numerical Derivatives

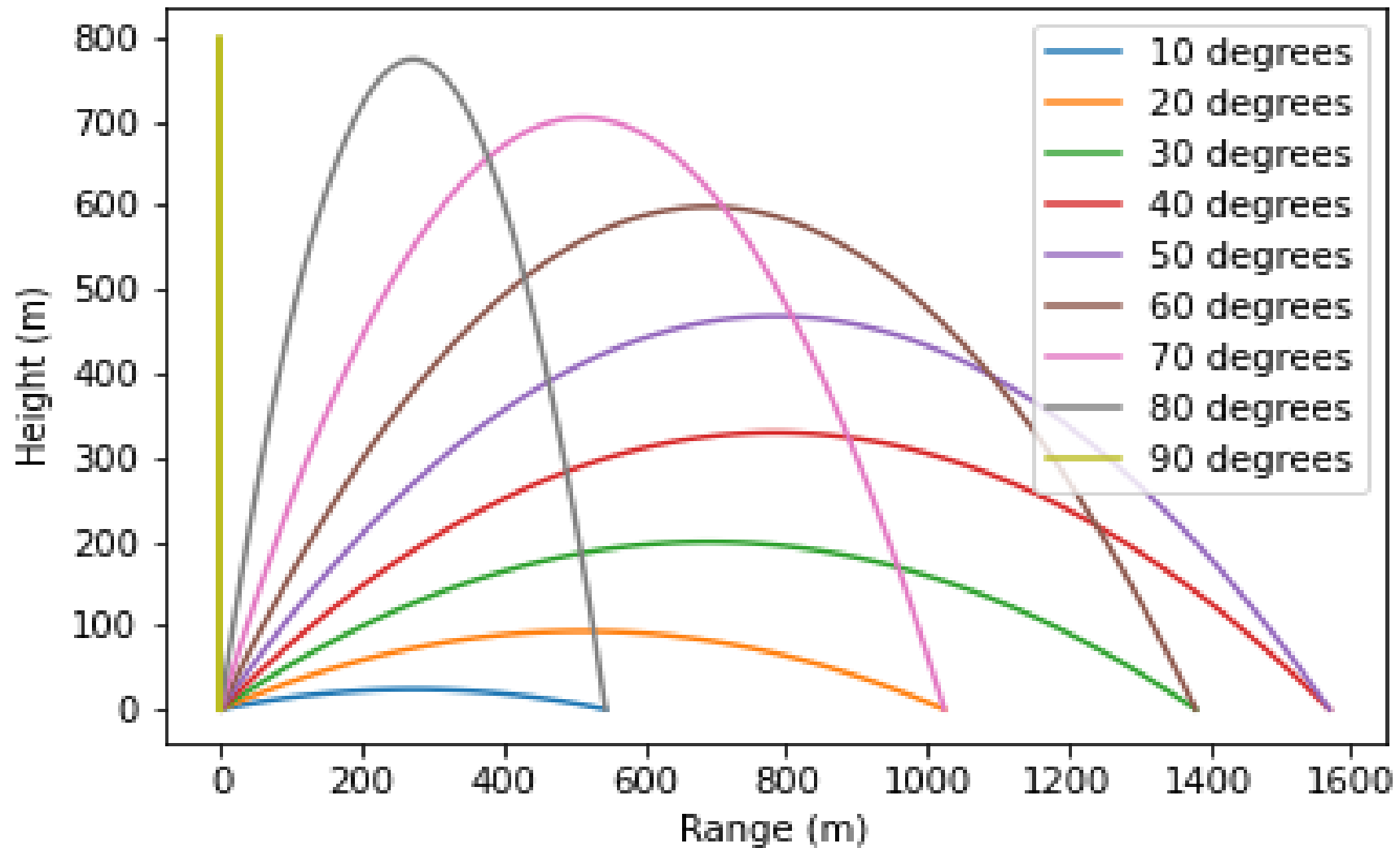


Fractional Error in Numerical Integration using Simpson's Rule

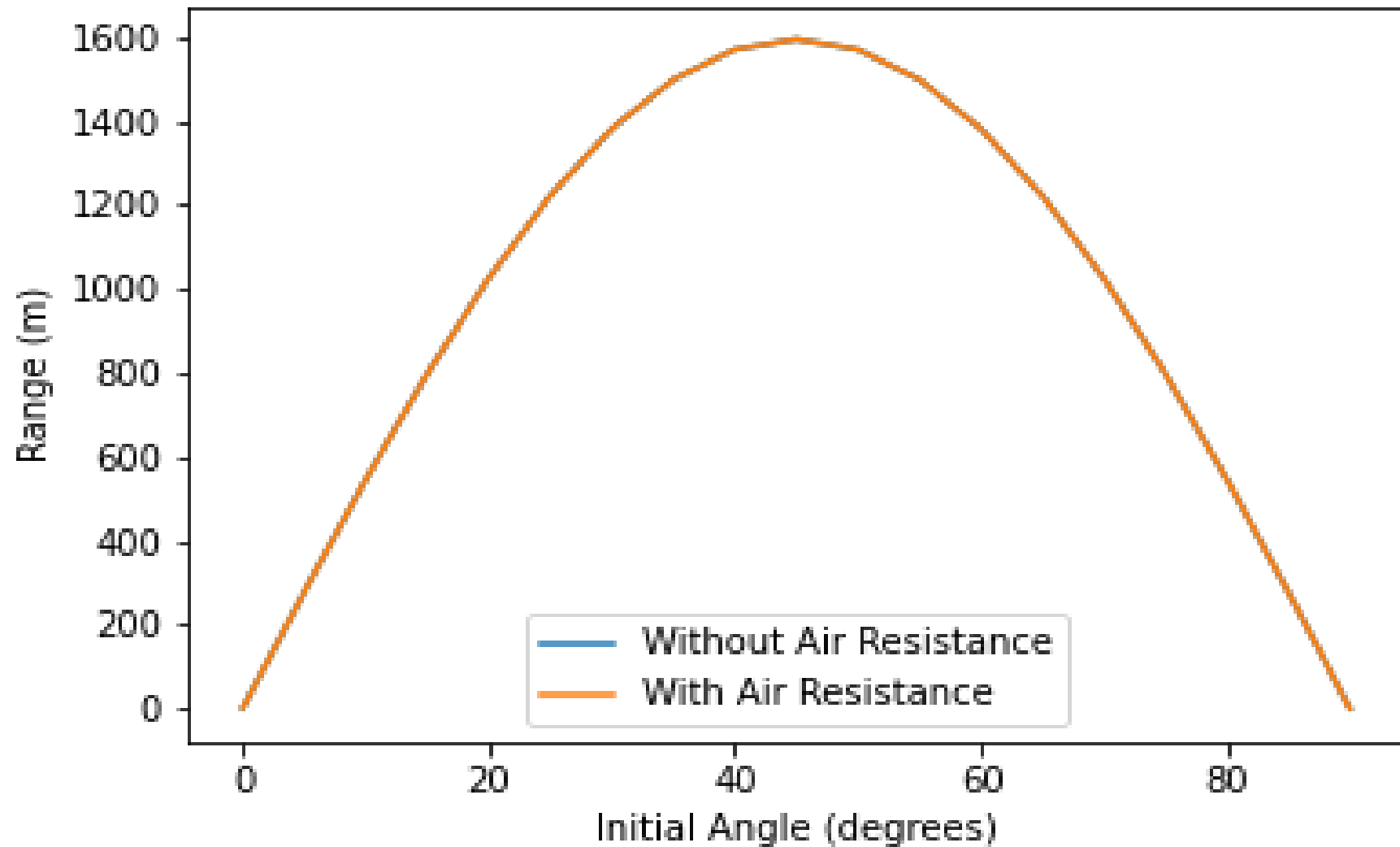




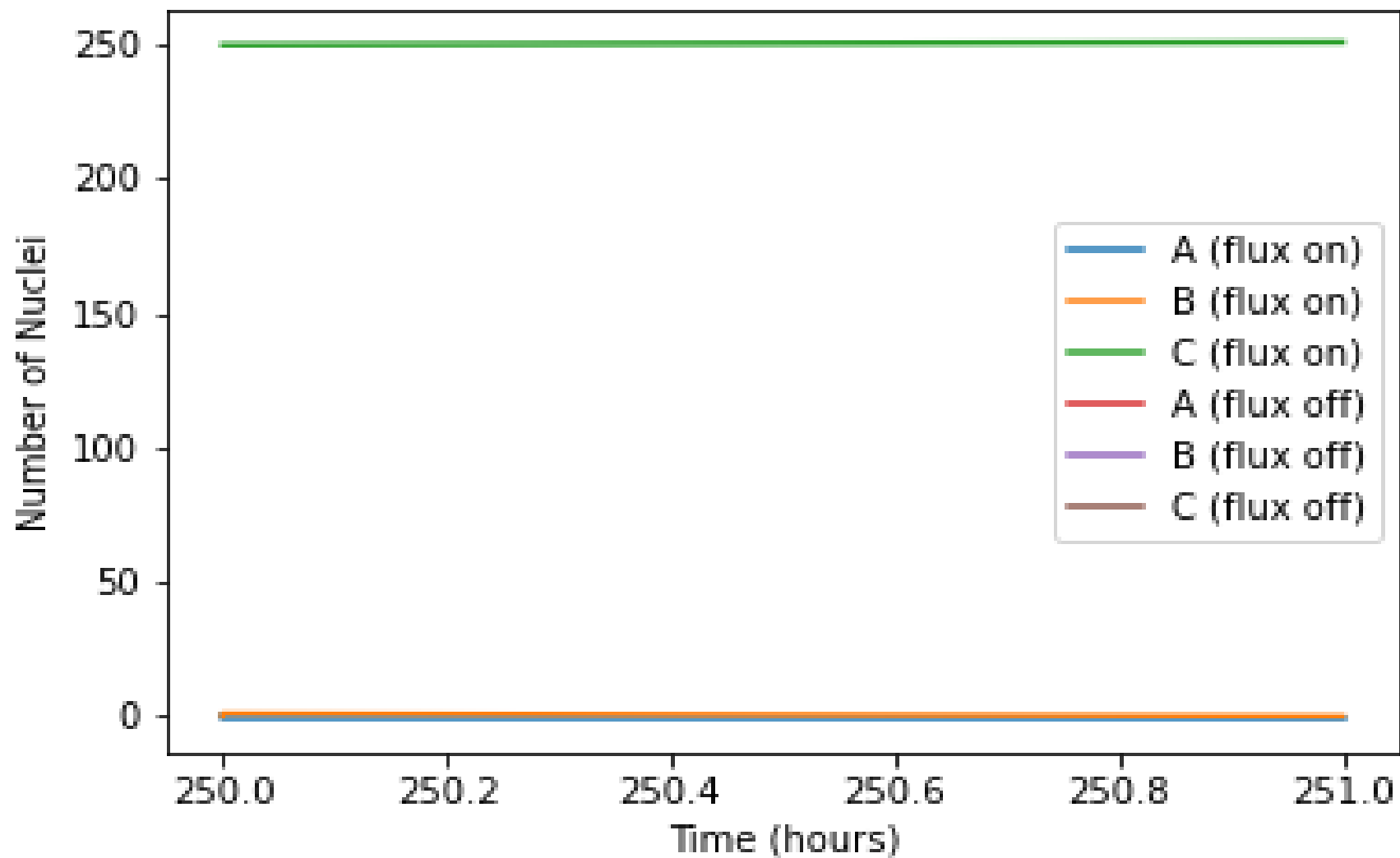
Projectile Trajectories



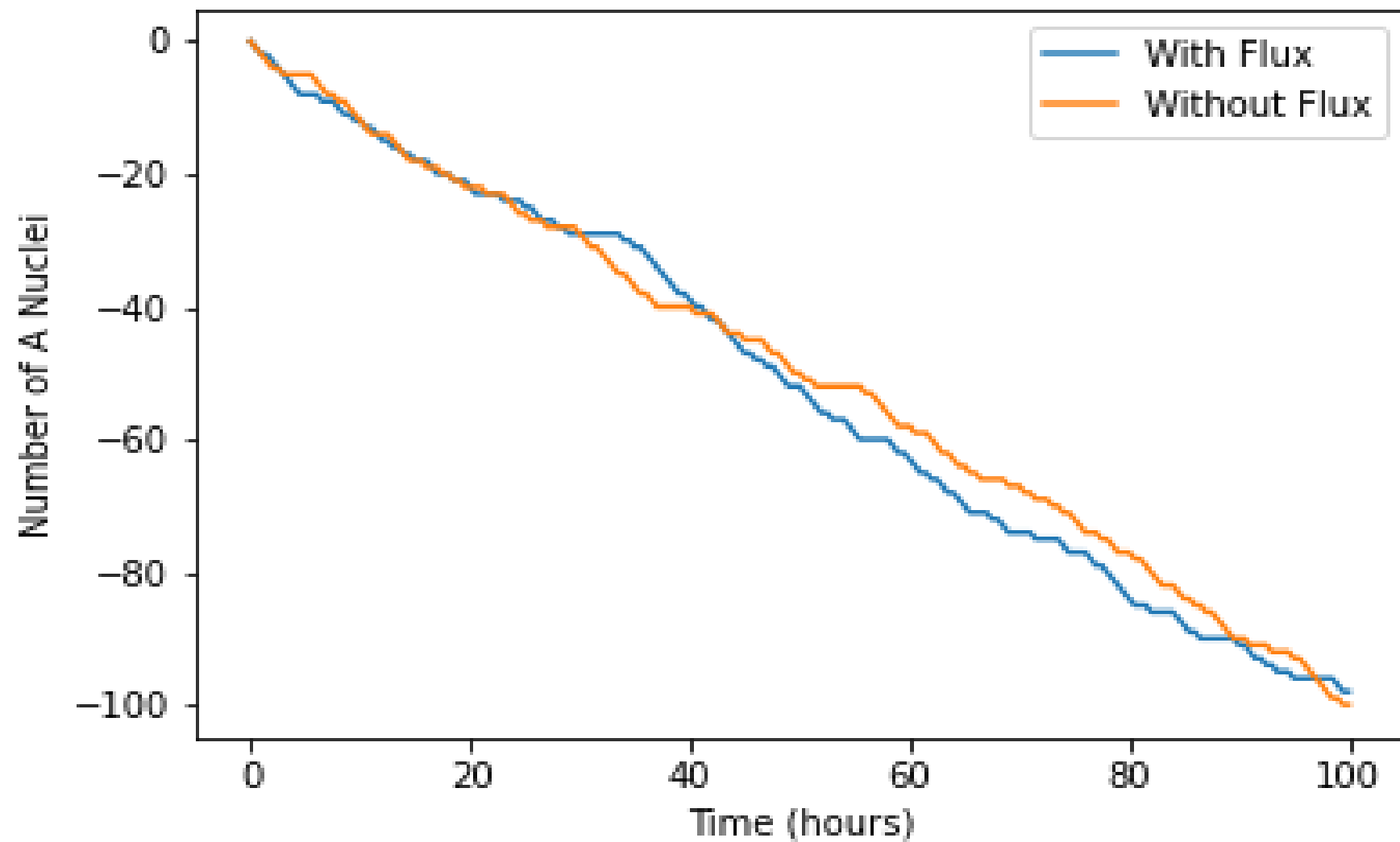
Range vs Initial Angle



## Radioactive Decay Simulation

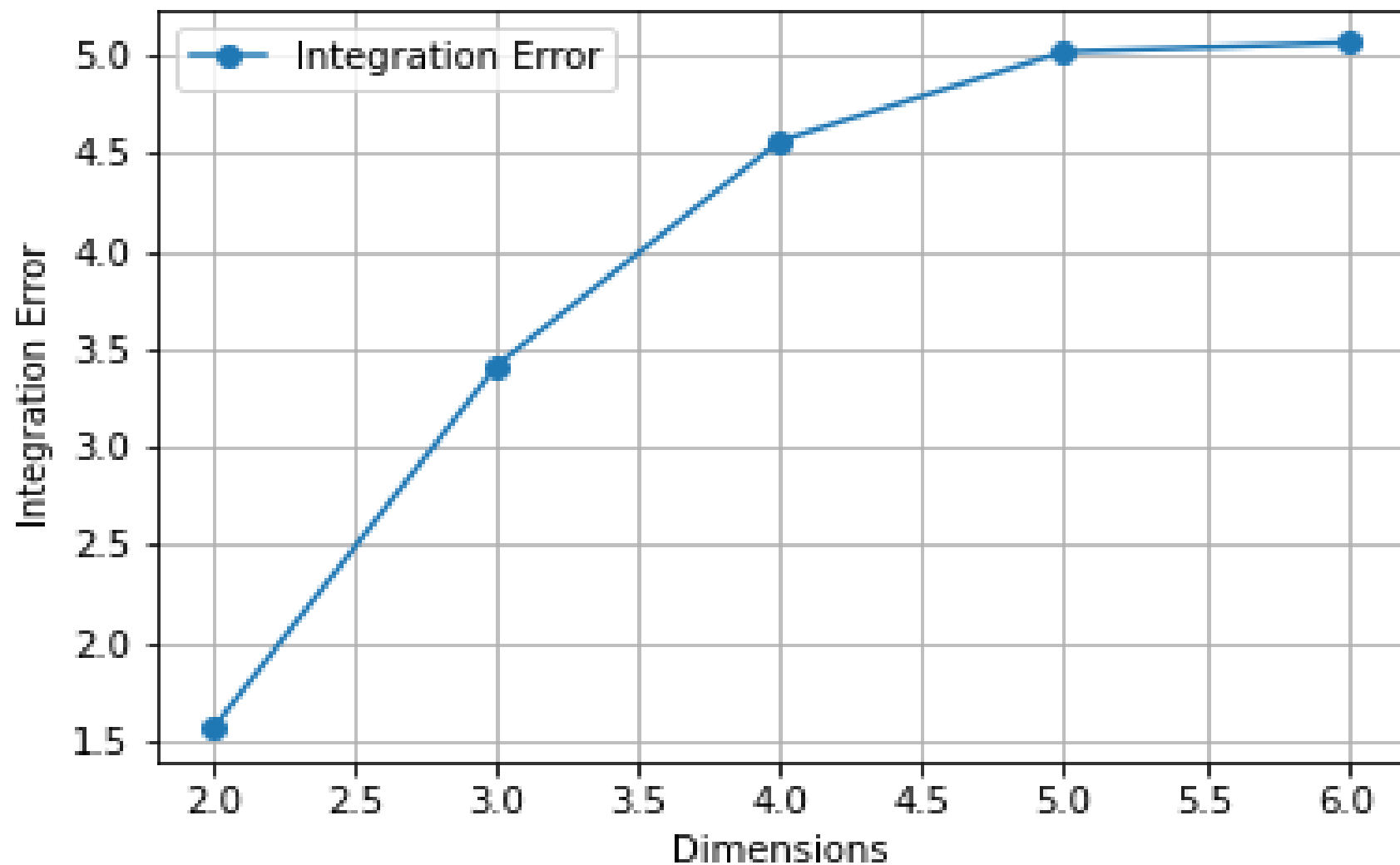


Evolution of A Nuclei over Time

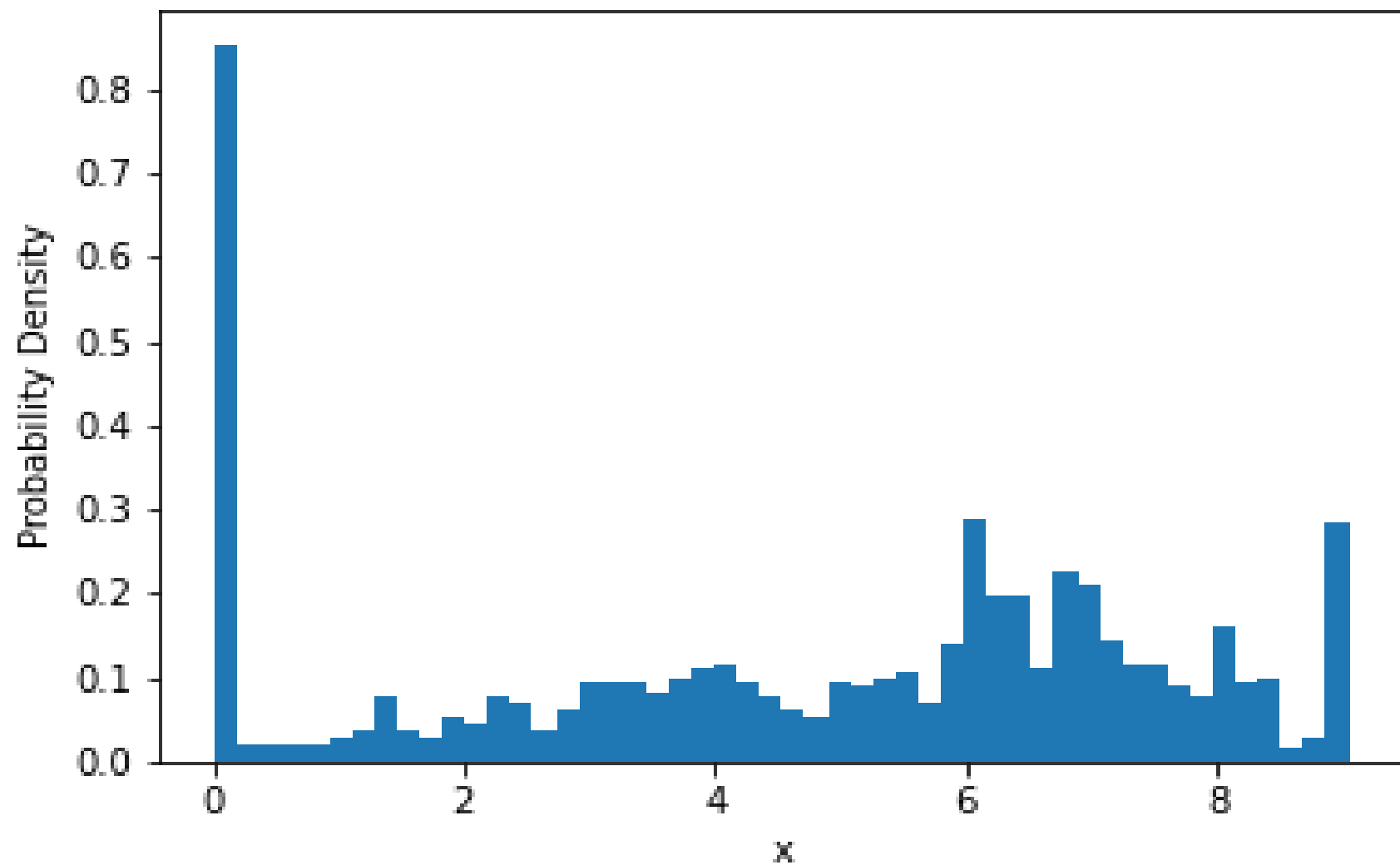


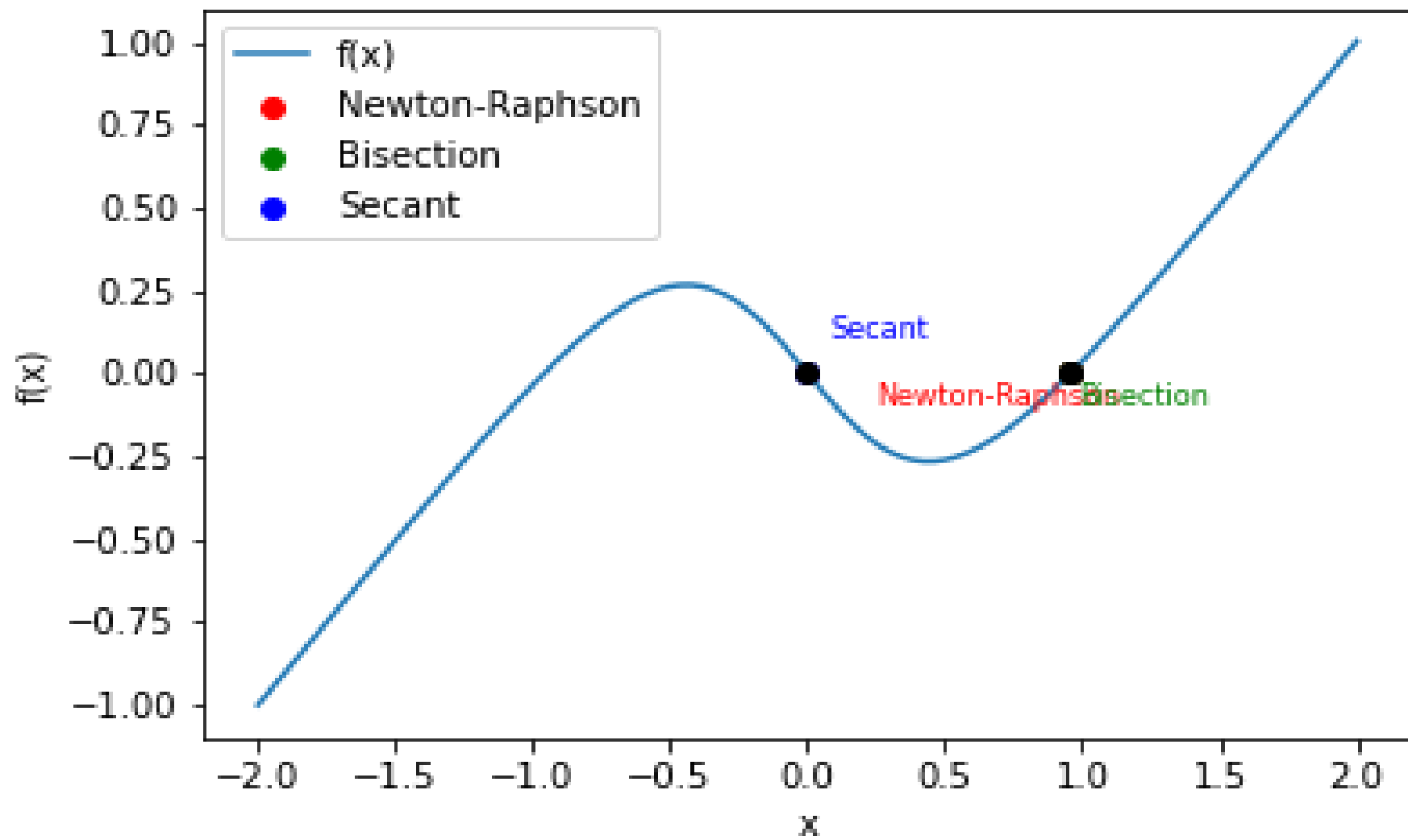


Monte Carlo Integration Error vs. Dimensions

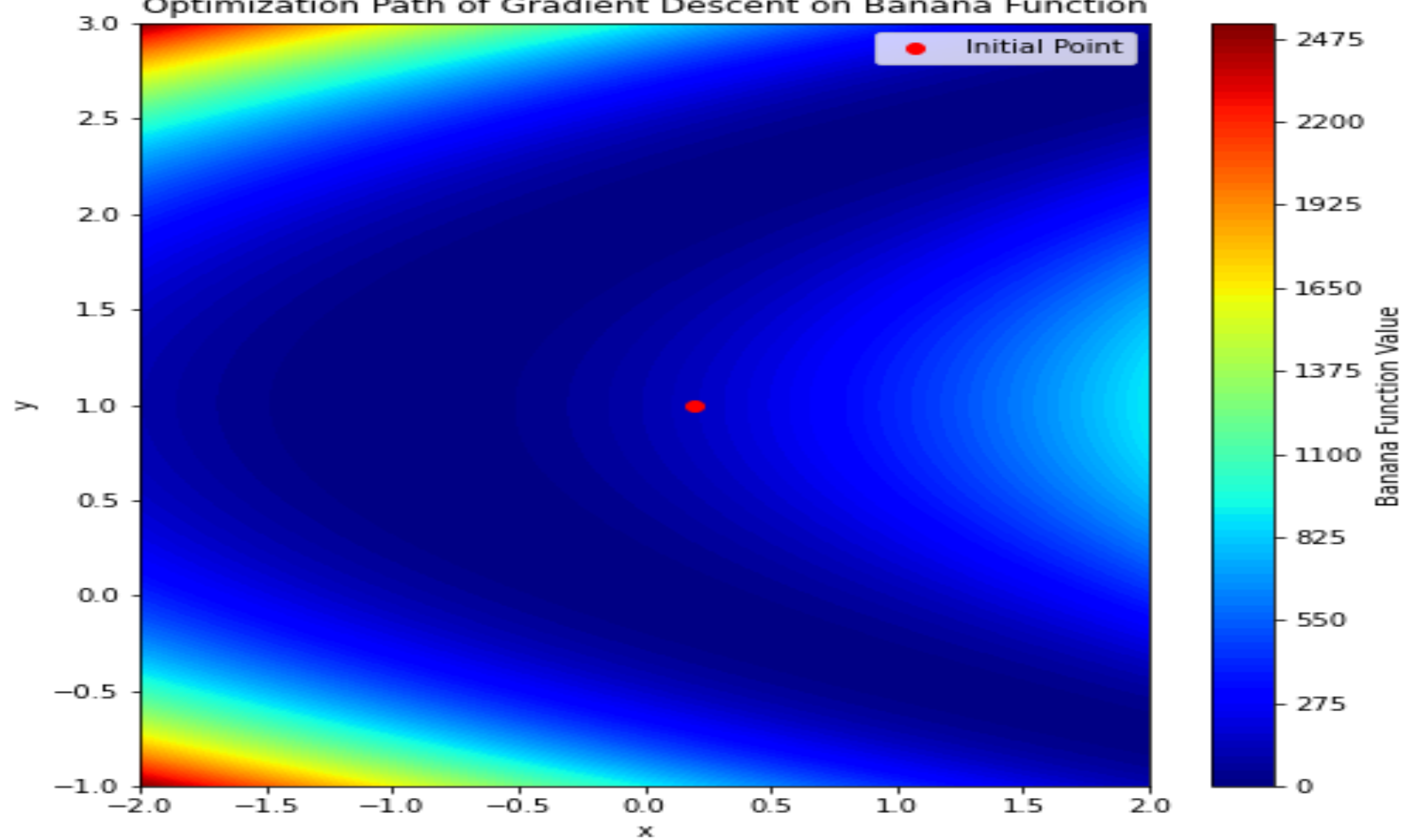


Distribution of Points Generated According to  $f(x)$



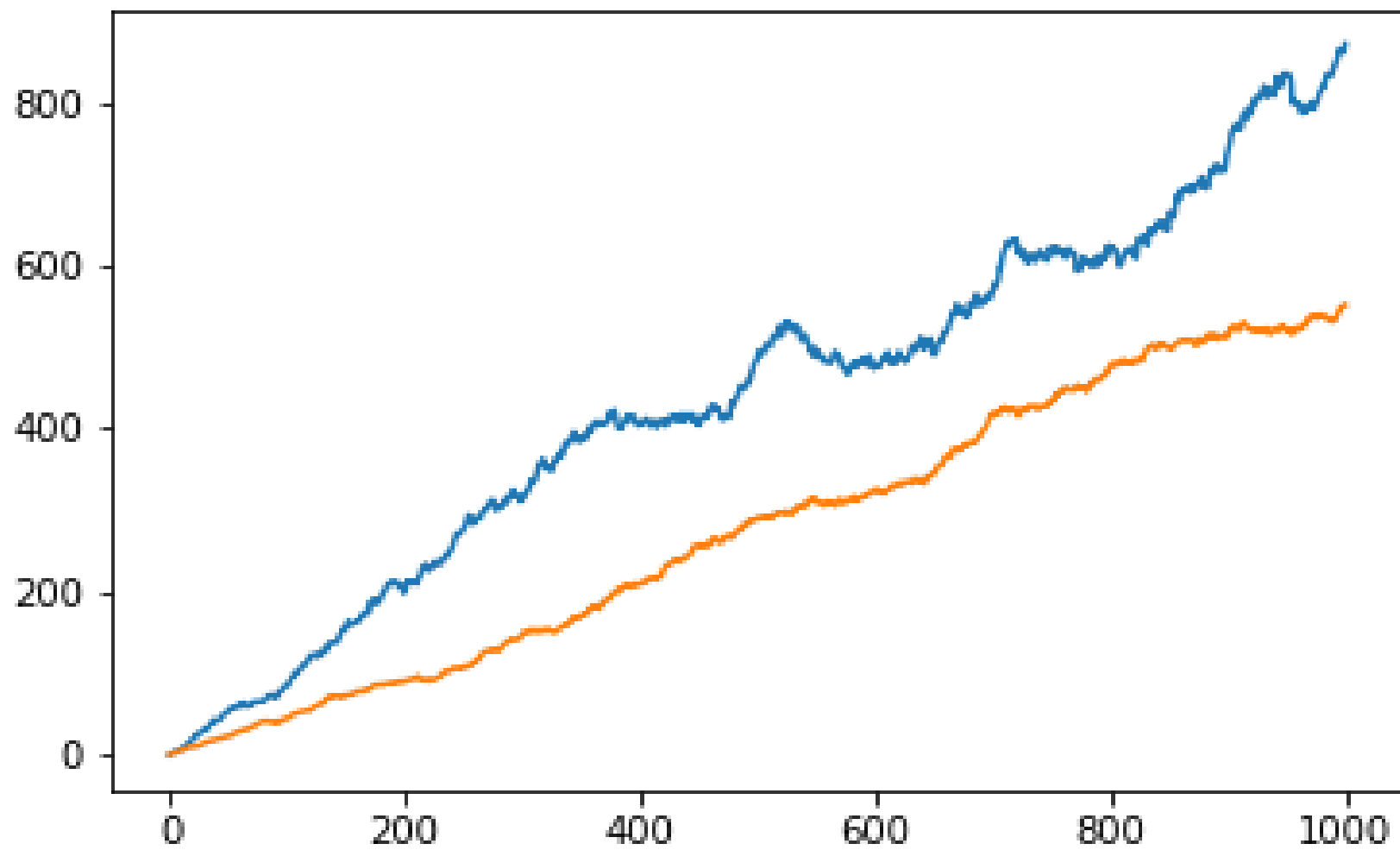


Optimization Path of Gradient Descent on Banana Function

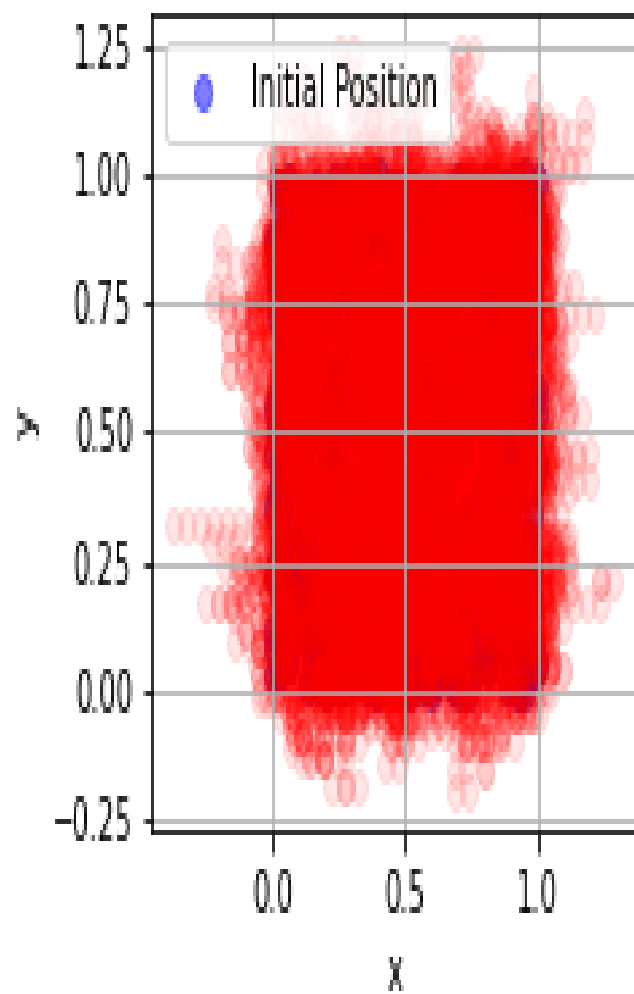


Average Position and Average Squared Position of 100 1D Walkers

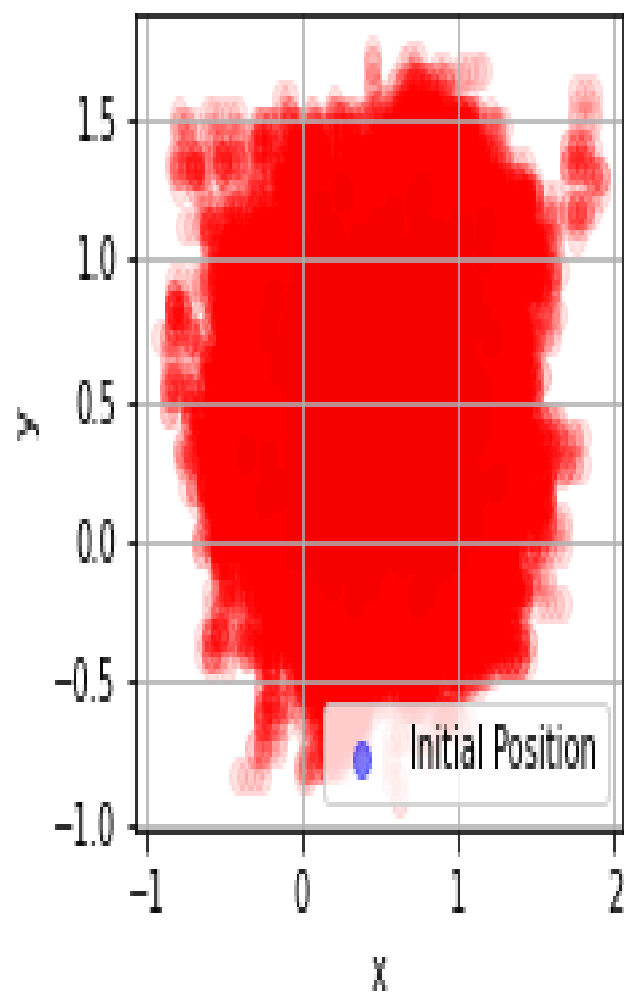




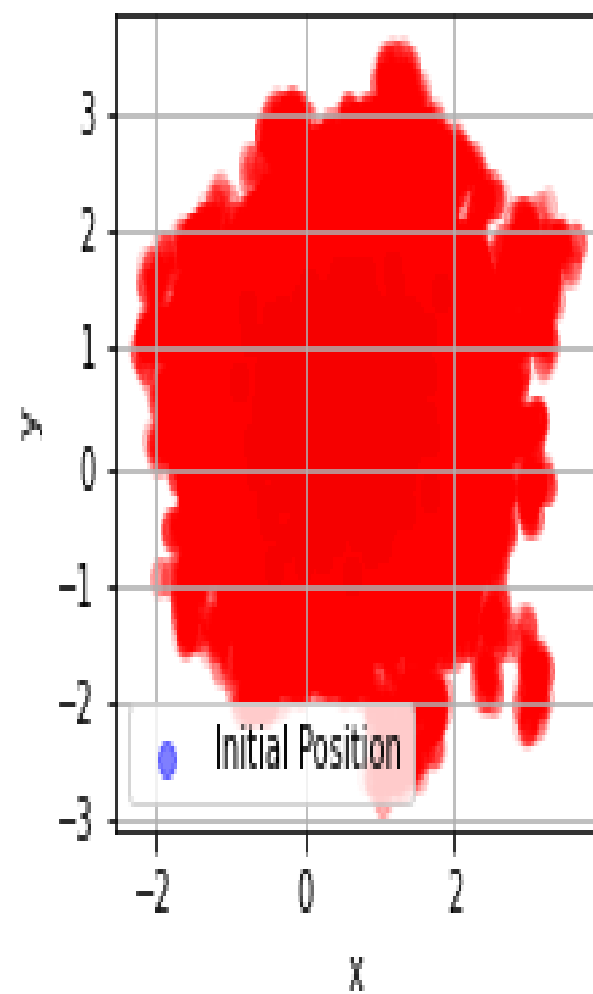
Position after 10 Steps



Position after 100 Steps



Position after 500 Steps



AI?