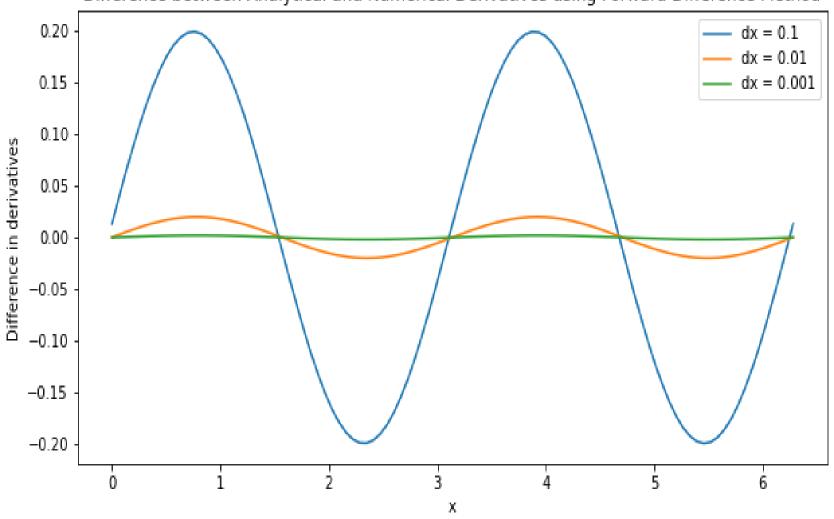
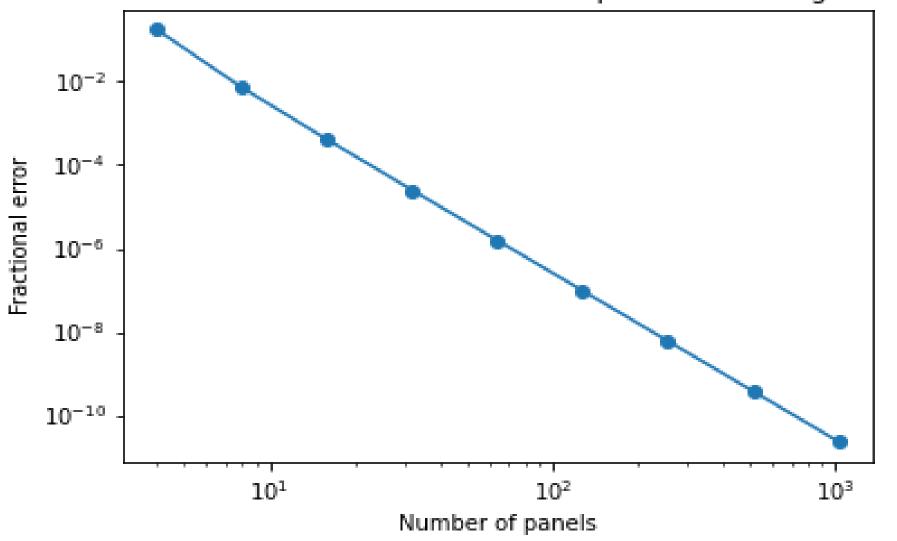
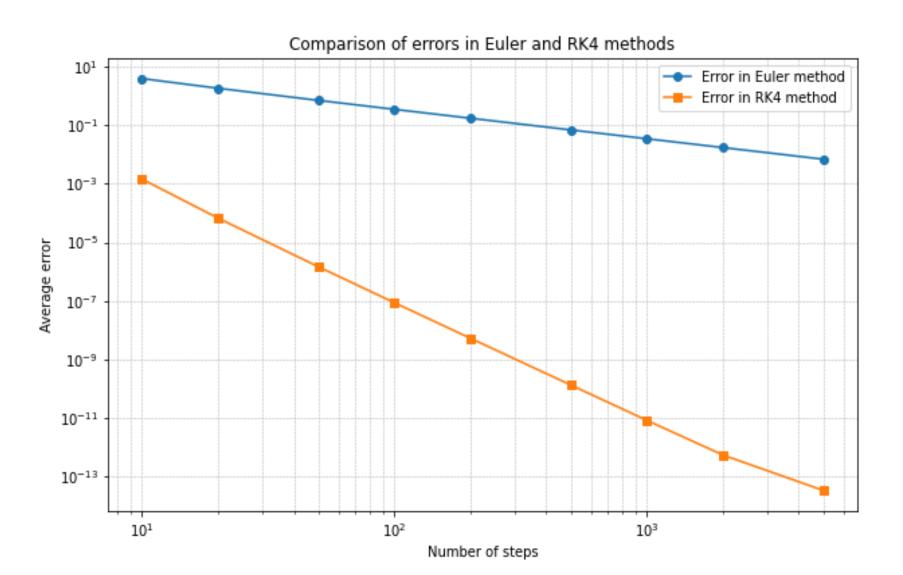


Difference between Analytical and Numerical Derivatives using Forward Difference Method

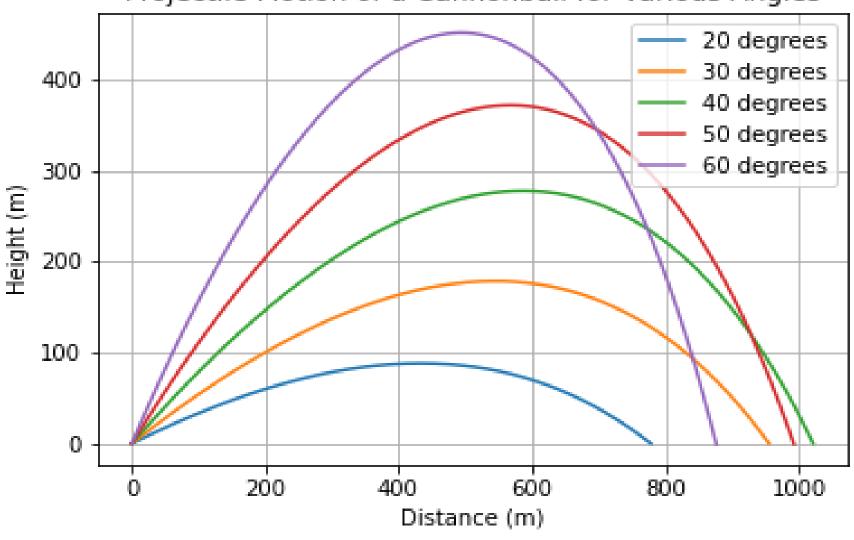


Fractional Error vs Panel Count in Simpson's Rule Integration

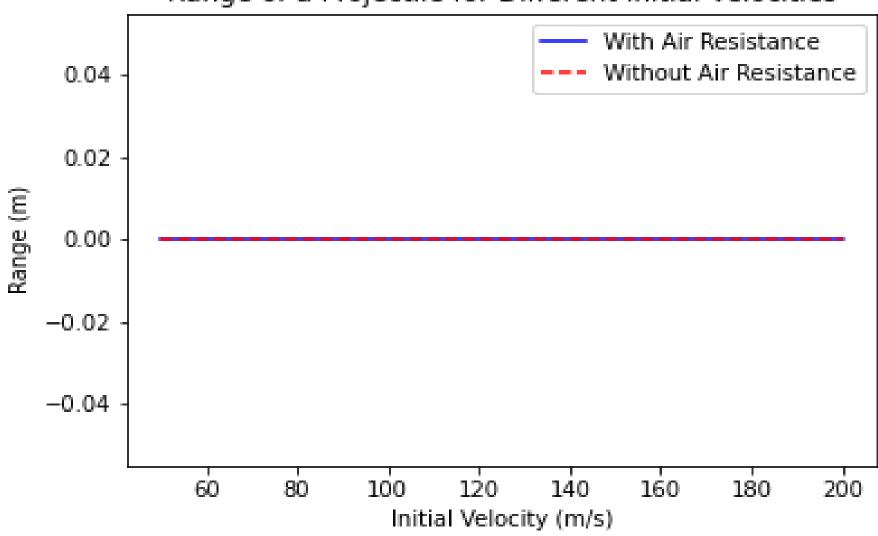




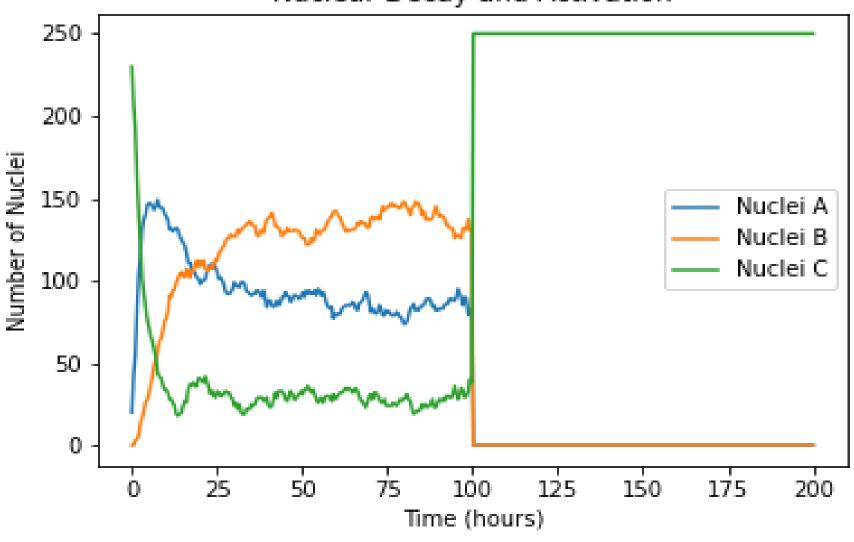
Projectile Motion of a Cannonball for Various Angles



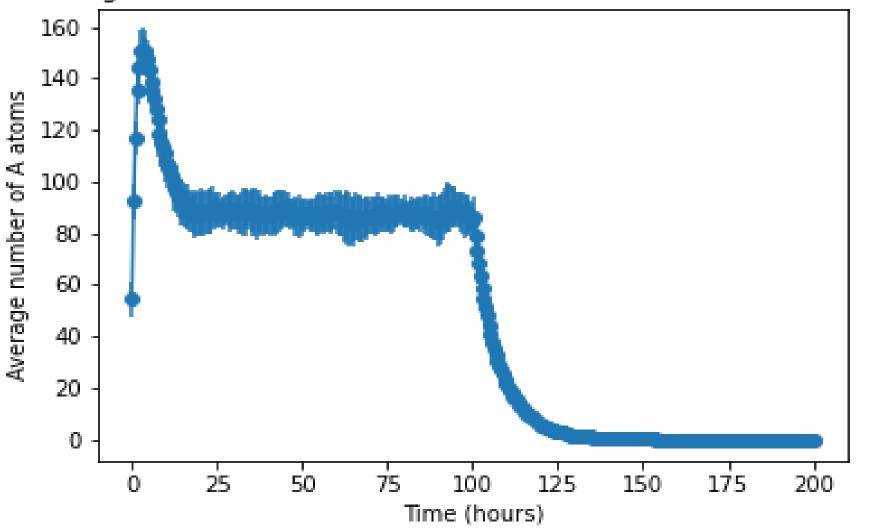
Range of a Projectile for Different Initial Velocities



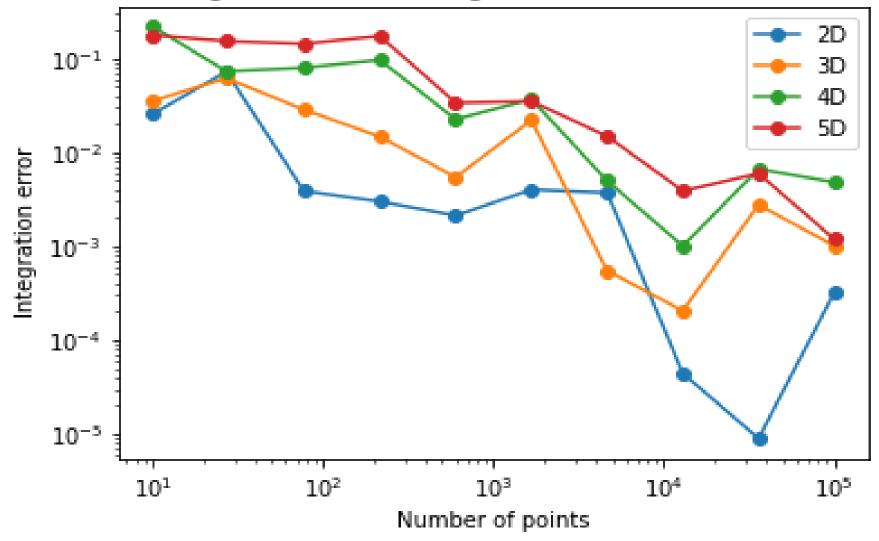
Nuclear Decay and Activation



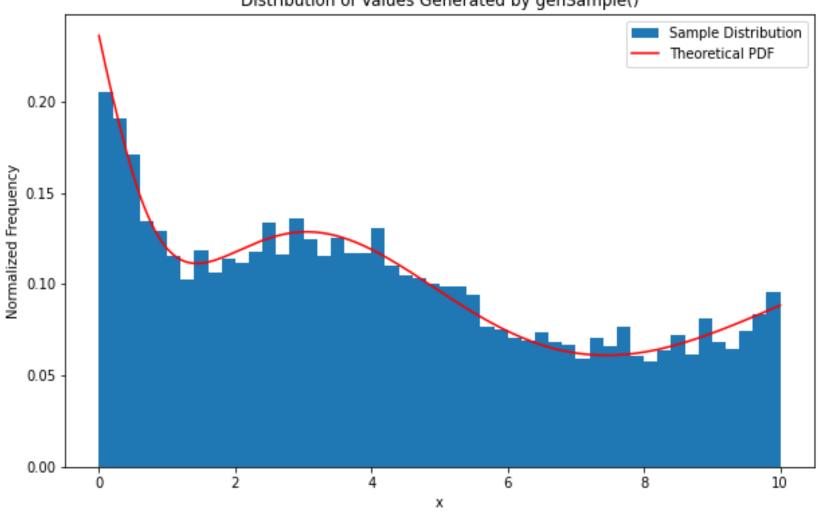
Average number of A atoms as a function of time with uncertainty

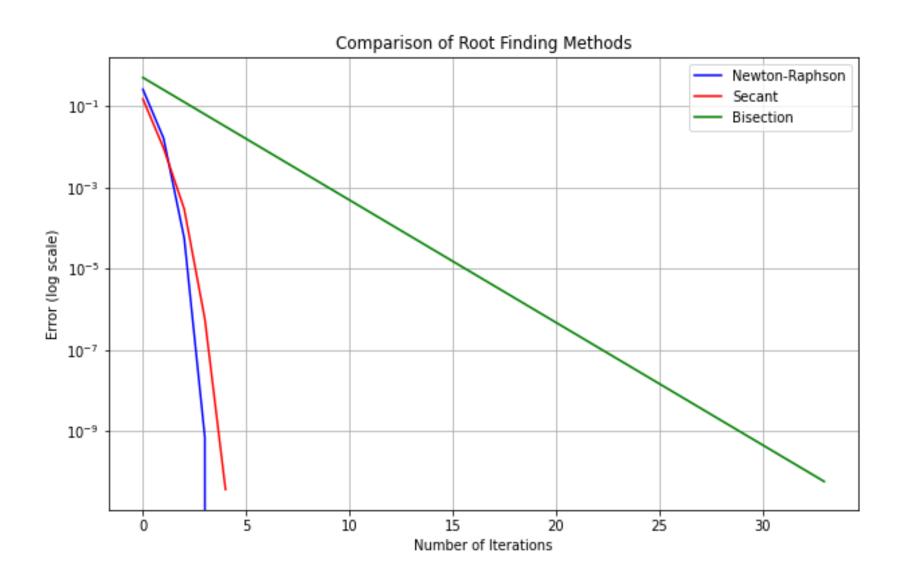


1onte Carlo Integration Error Scaling with Number of Points and Dimensi

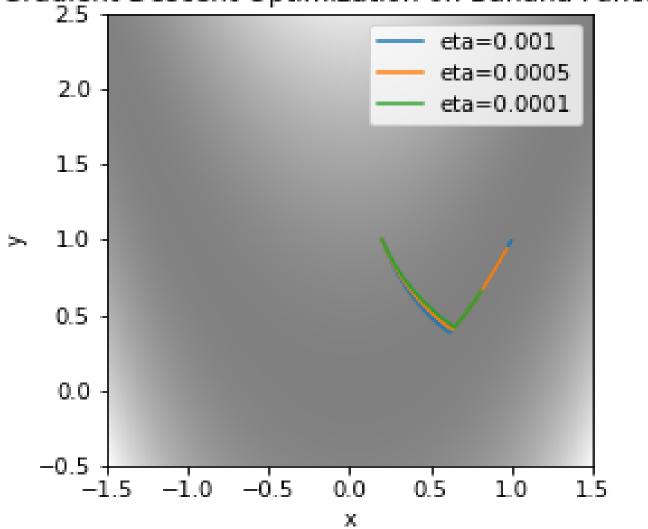


Distribution of Values Generated by genSample()

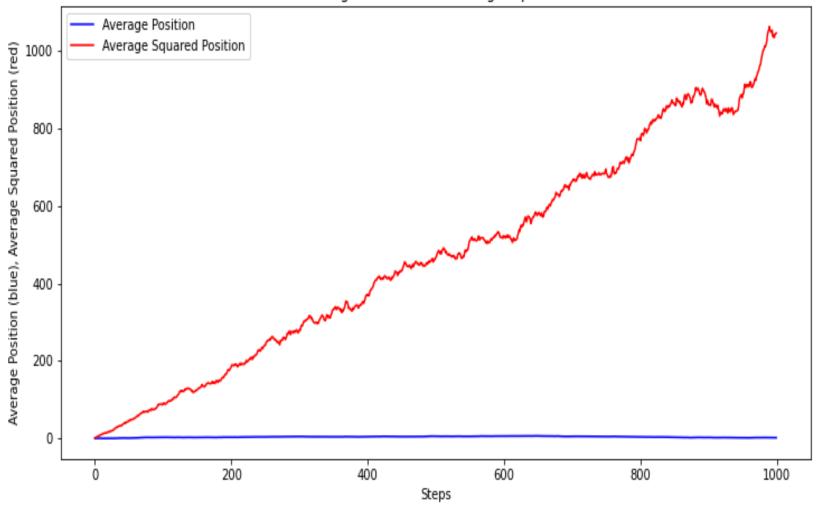




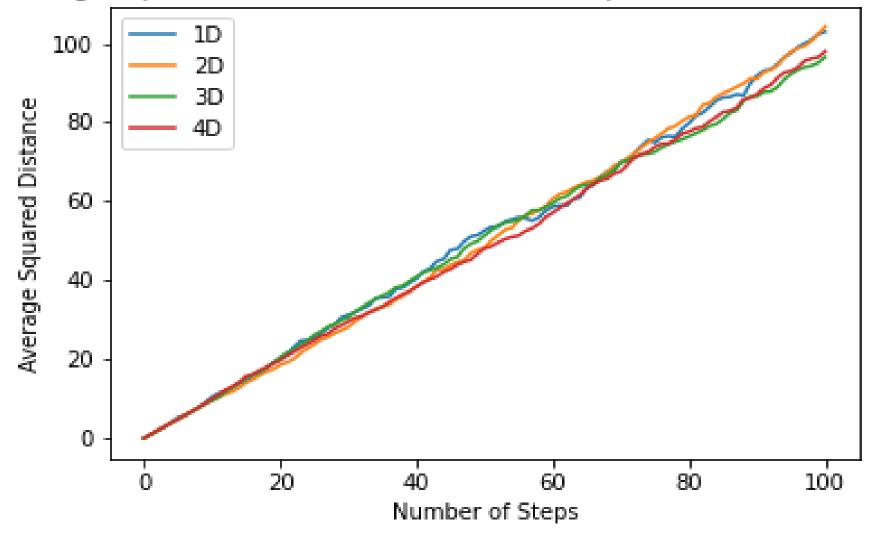
Gradient Descent Optimization on Banana Function

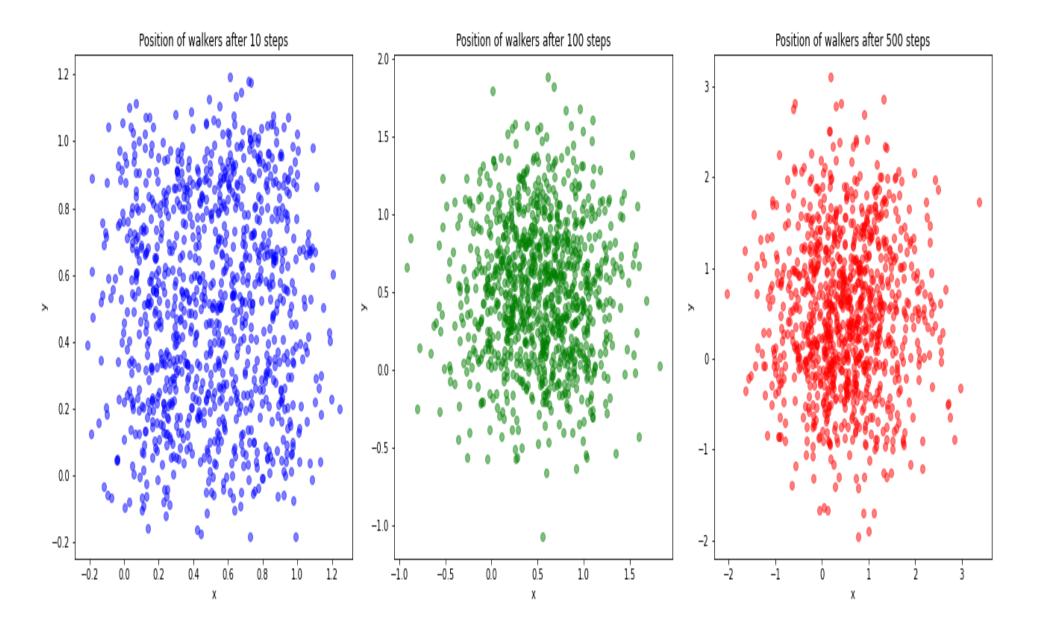


1D Random Walk: Average Position and Average Squared Position Over Time



Average Squared Distance vs. Number of Steps for Different Dimension





AI?