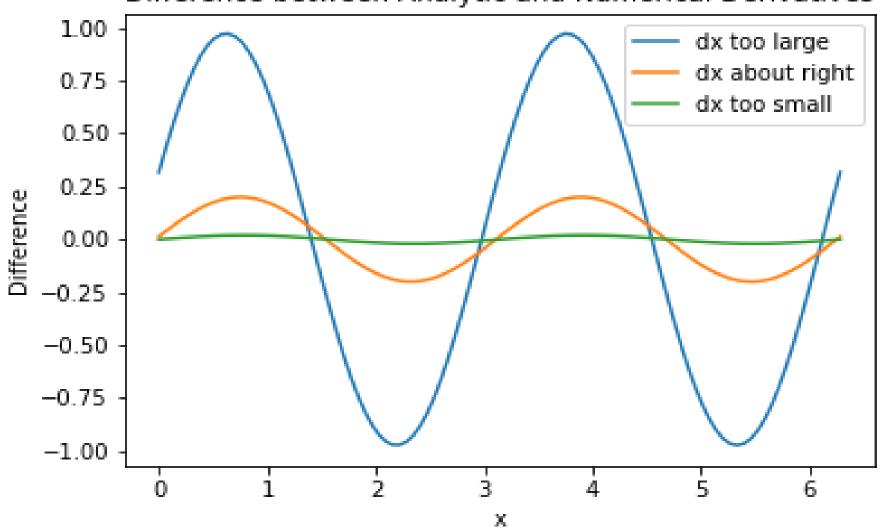
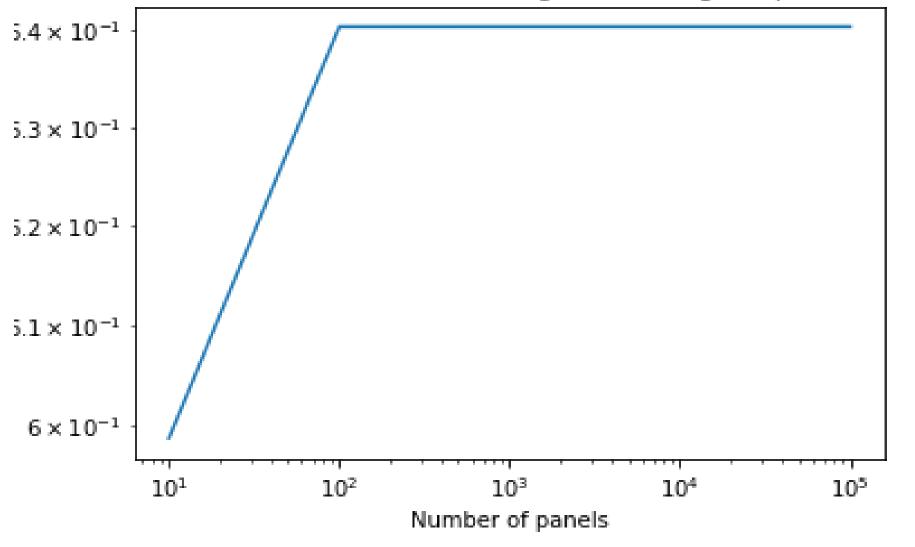
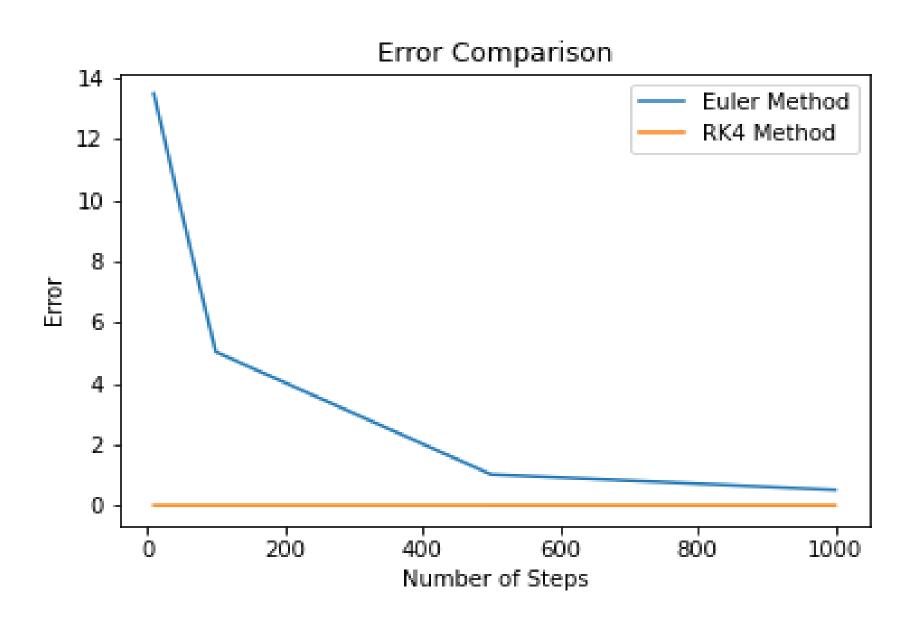
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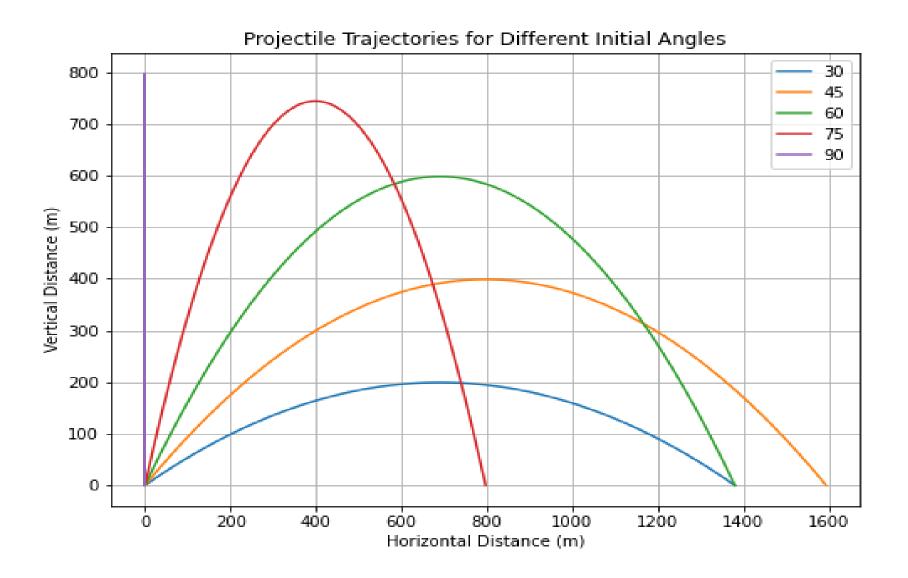
## Difference between Analytic and Numerical Derivatives

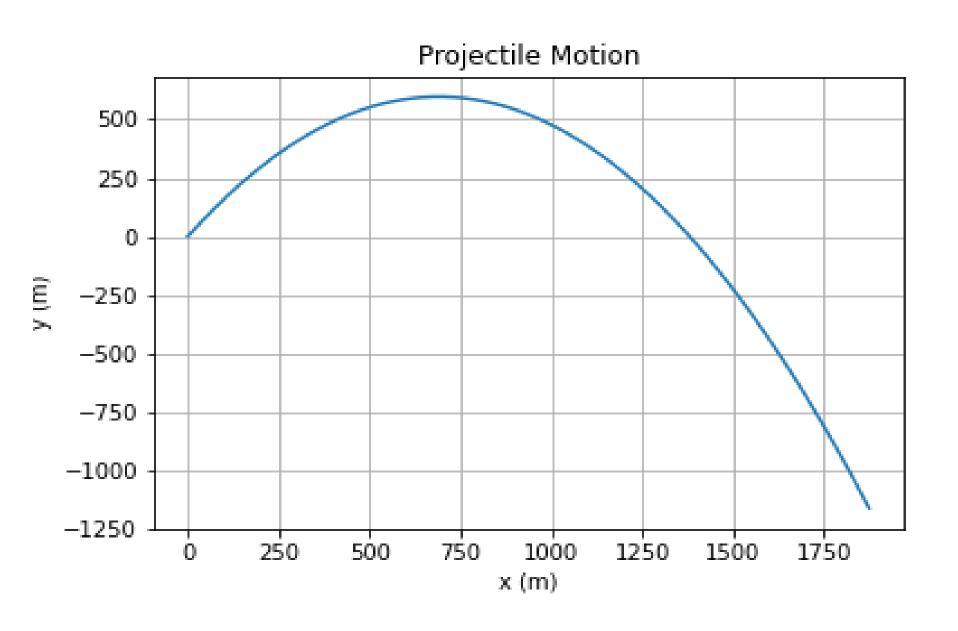


Fractional Error of Numerical Integration using Simpson's Rule

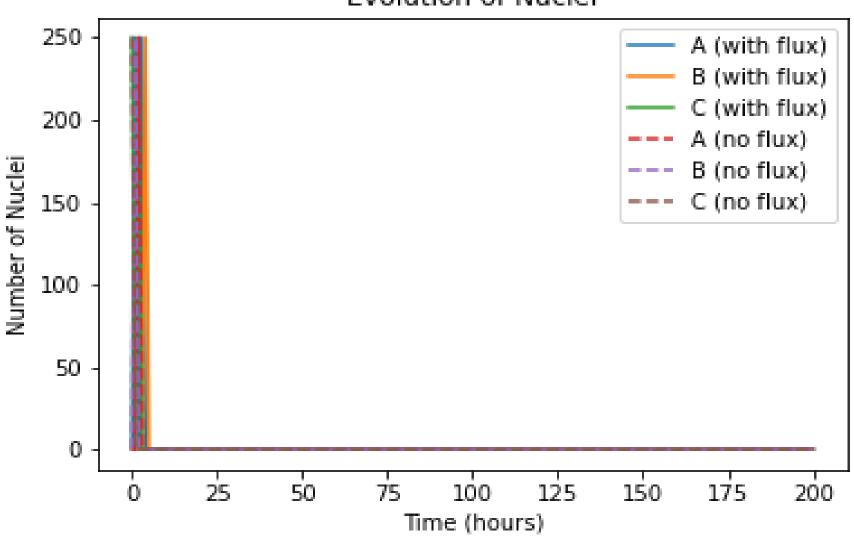


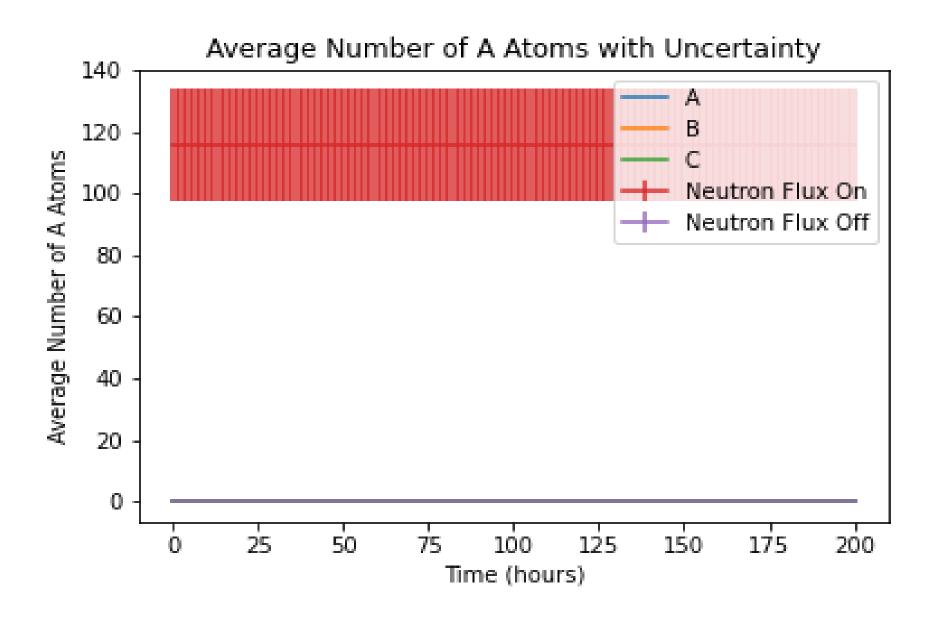


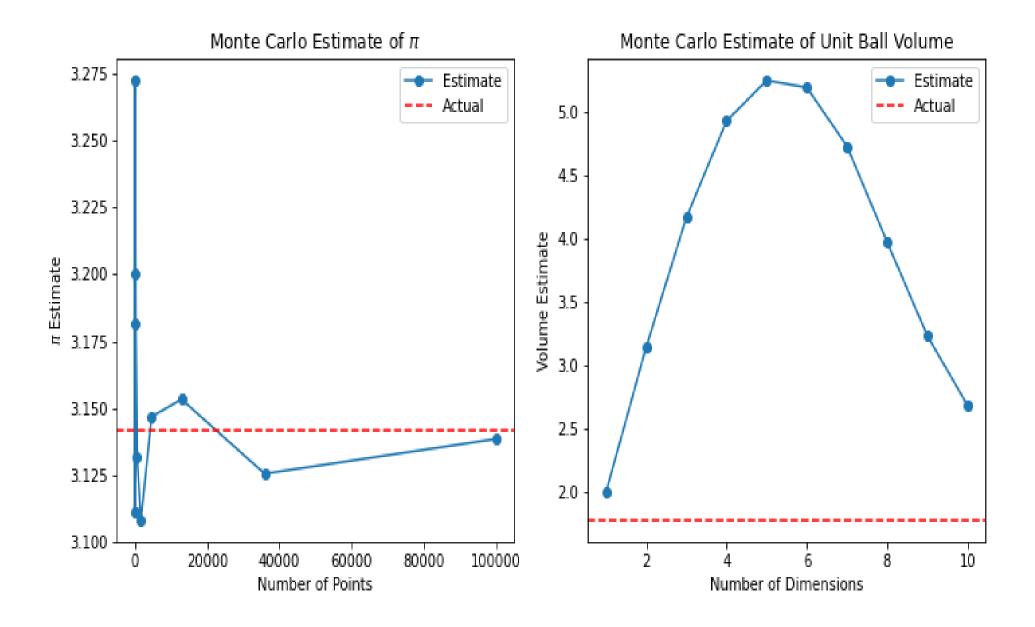




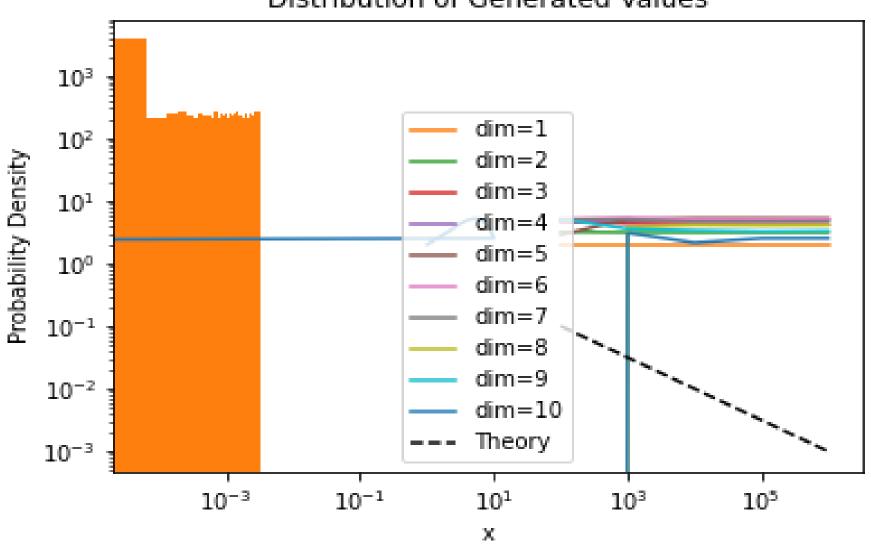
#### Evolution of Nuclei



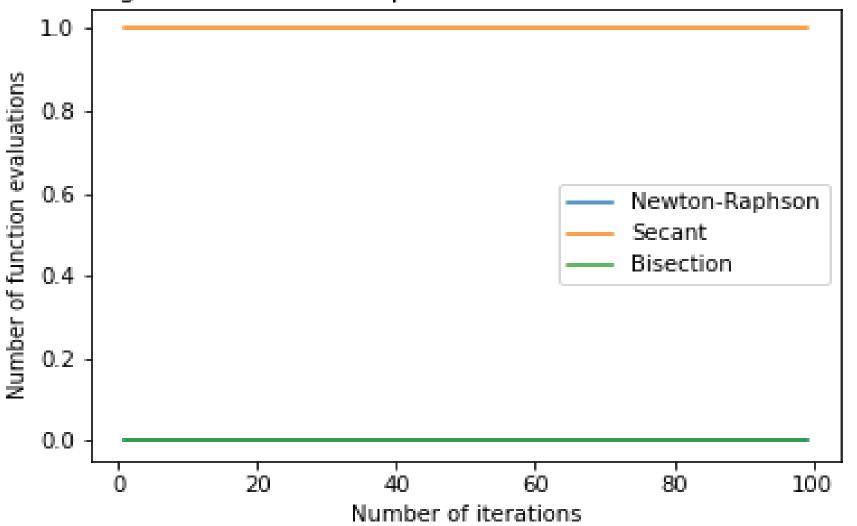


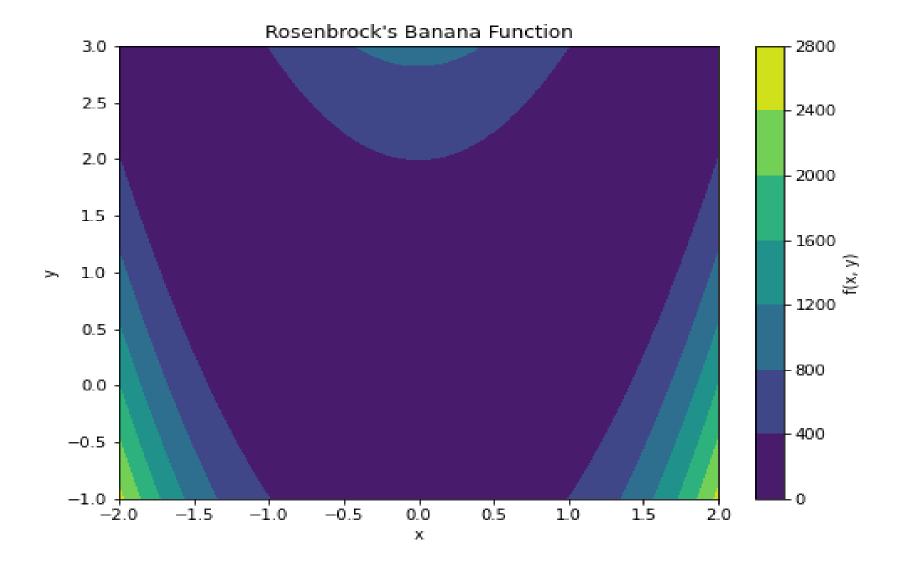


#### Distribution of Generated Values

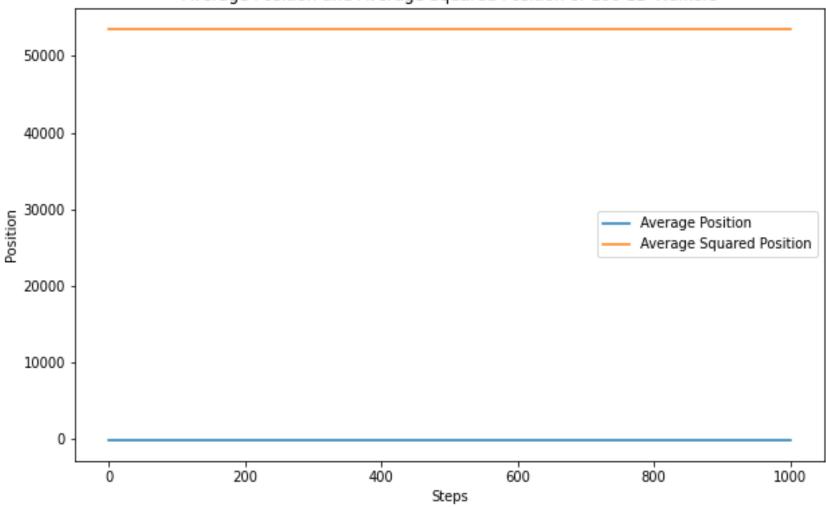


Convergence of Newton-Raphson, Secant, and Bisection methods

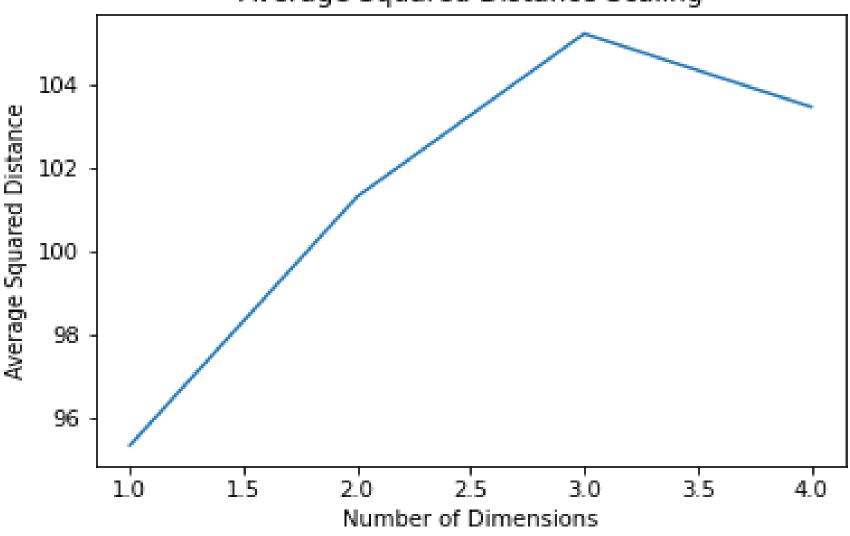




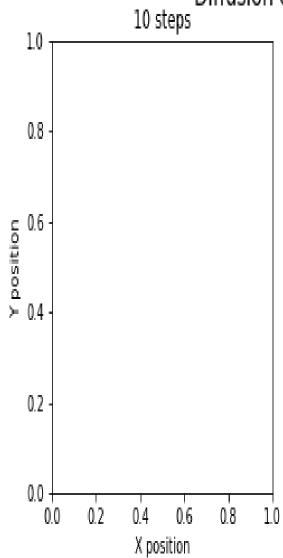
Average Position and Average Squared Position of 100 1D Walkers



### Average Squared Distance Scaling



Diffusion of particles after 10, 100 and 500 steps



# AI?