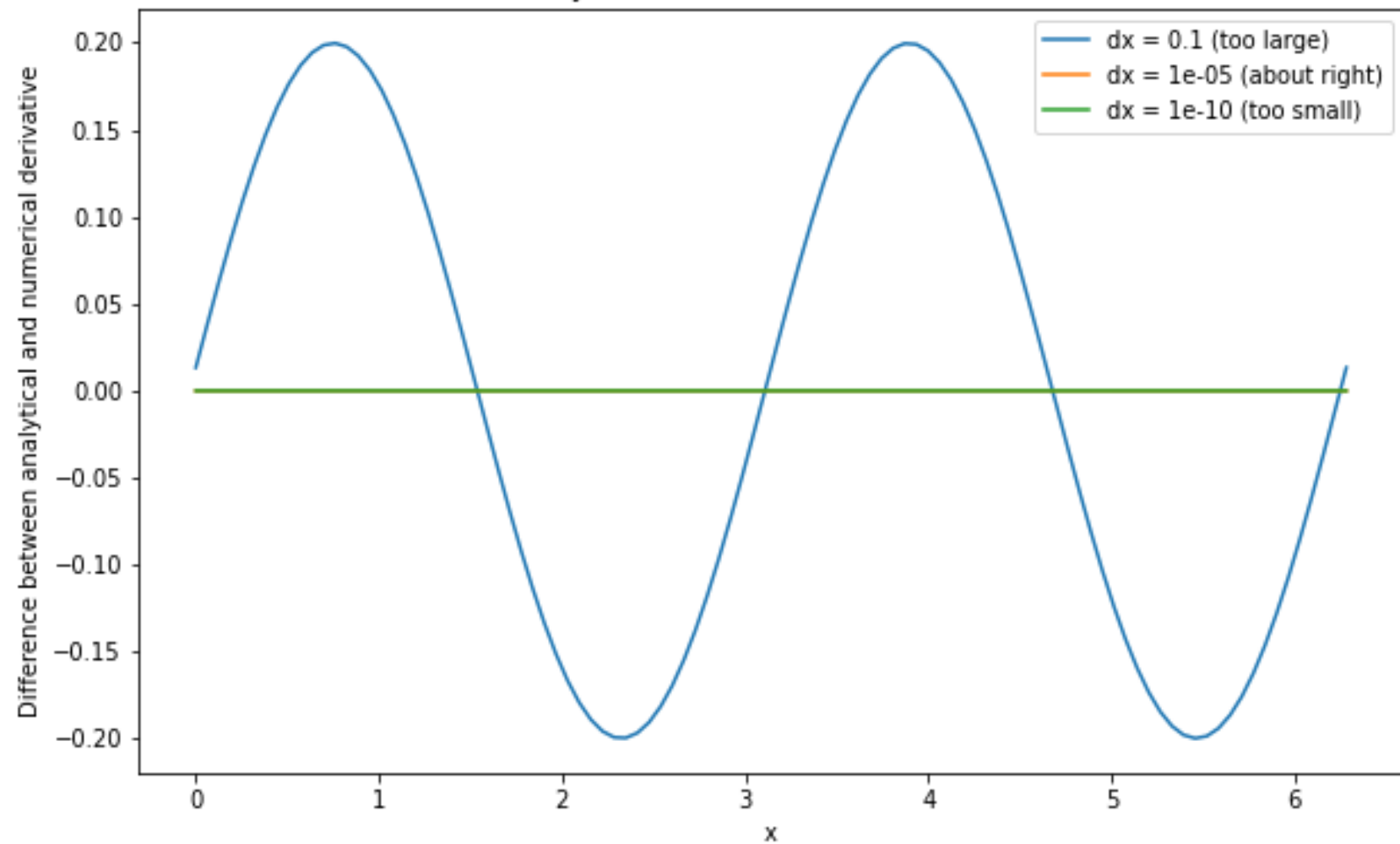
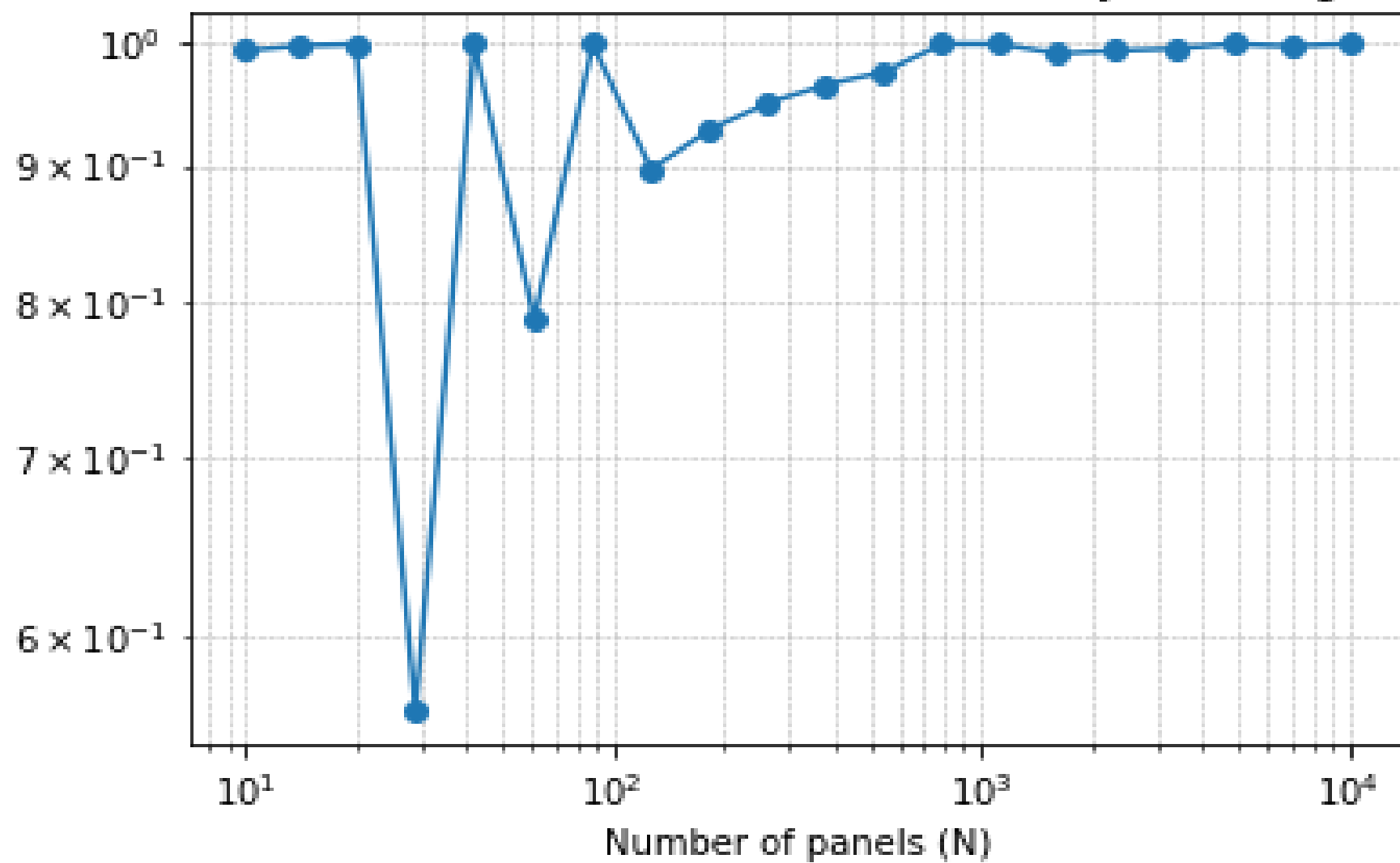


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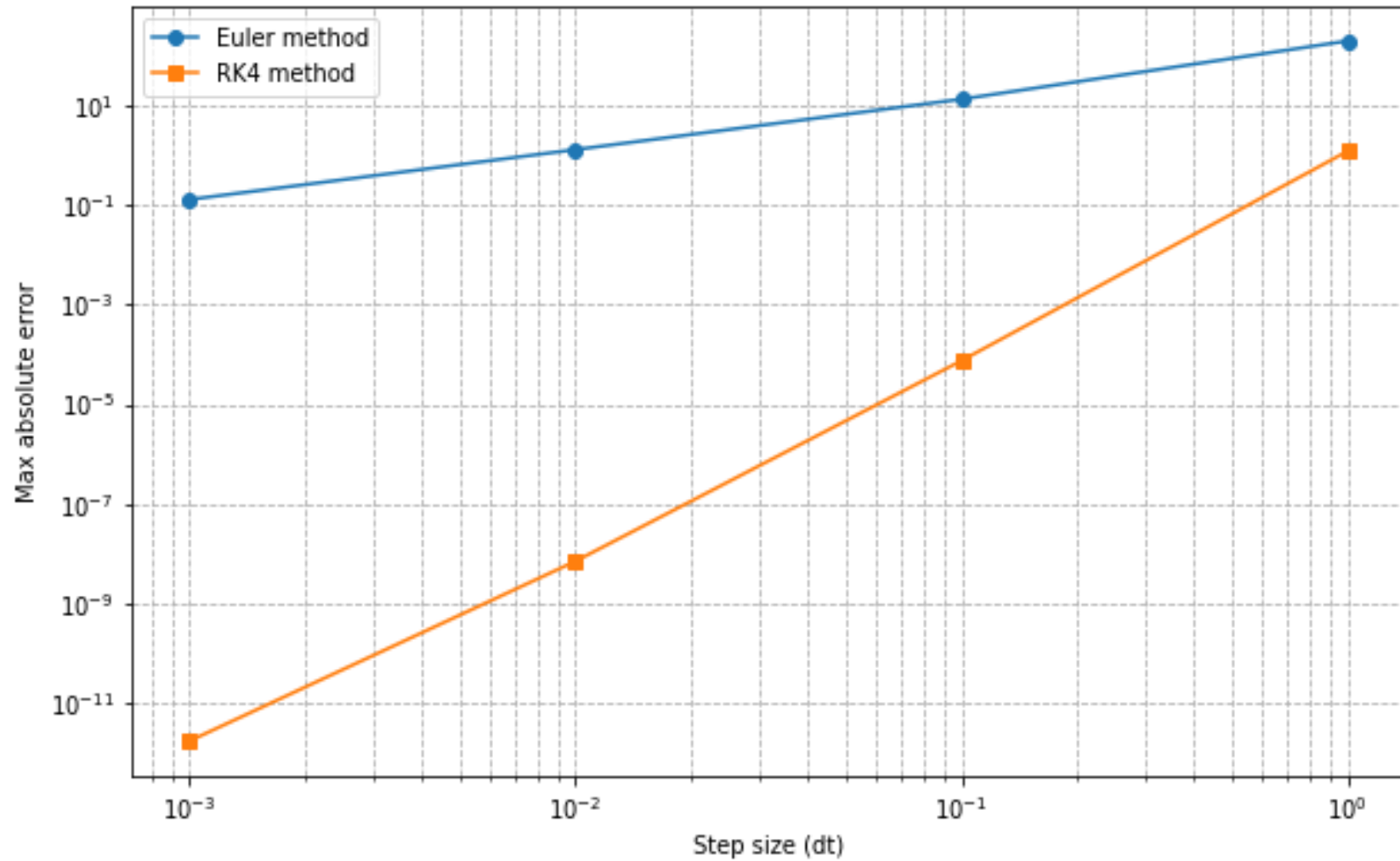
Difference between analytical and numerical derivatives for various dx values



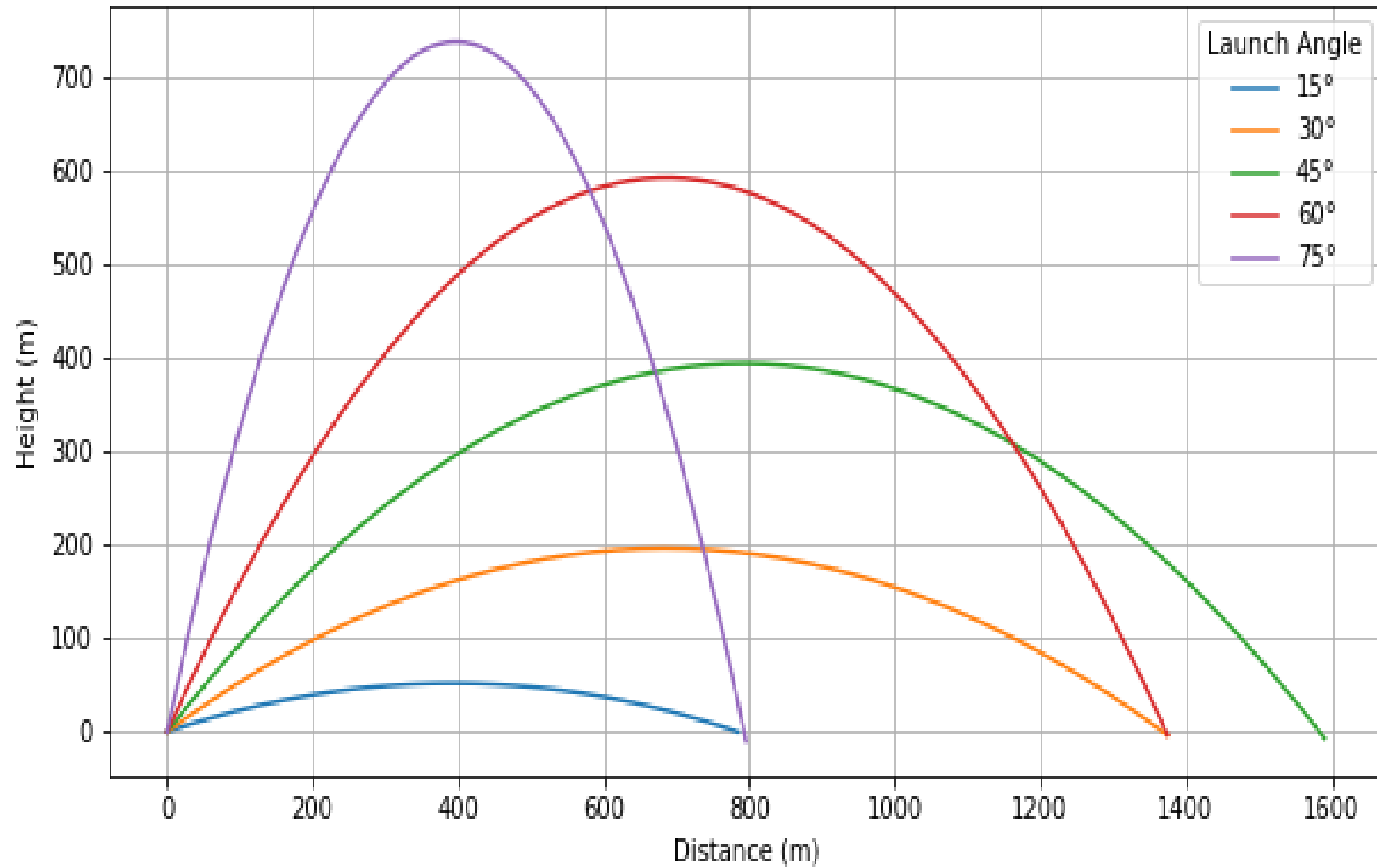
Fractional error between numerical and analytical integration



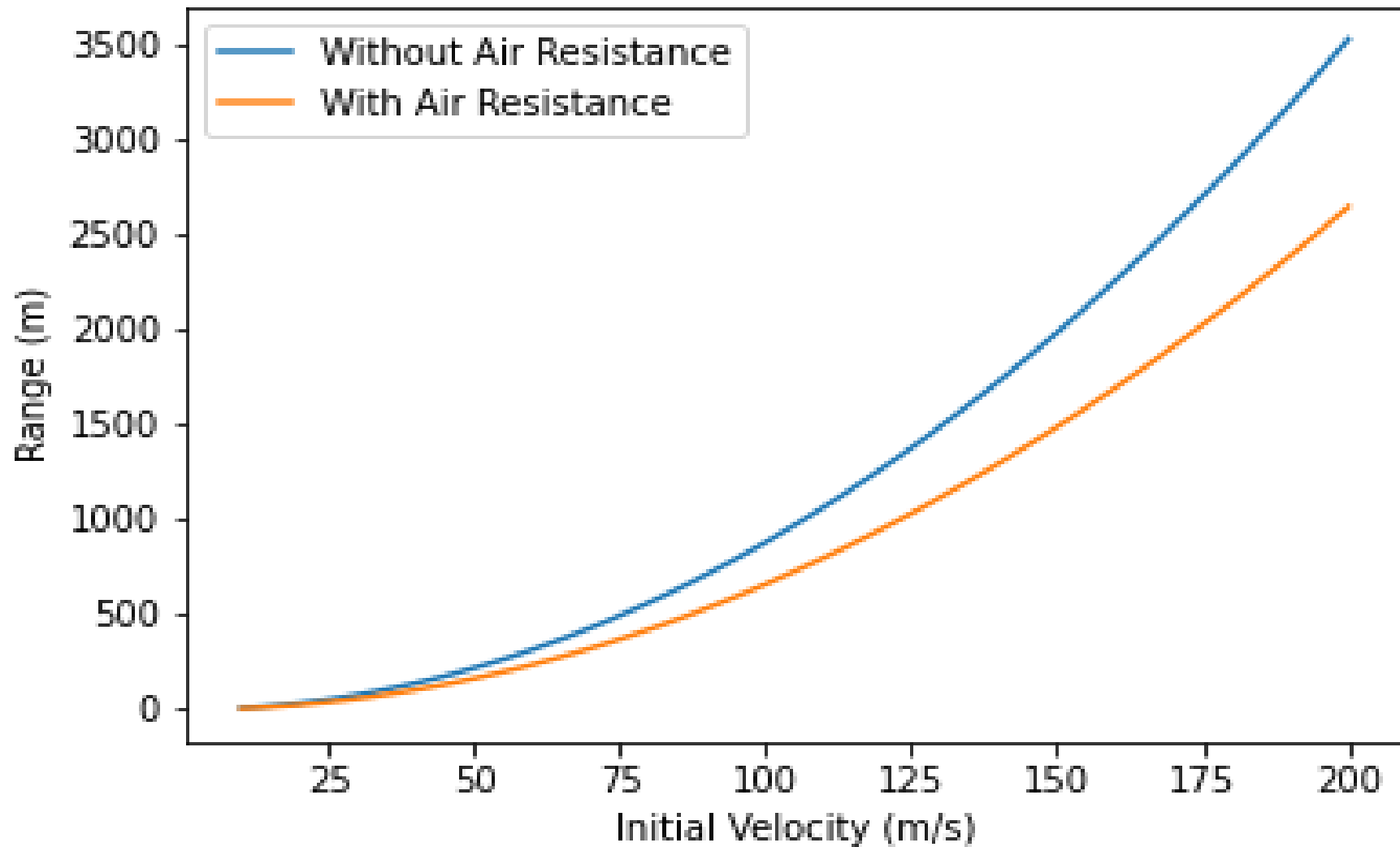
Error Scaling with Step Size for Euler vs RK4



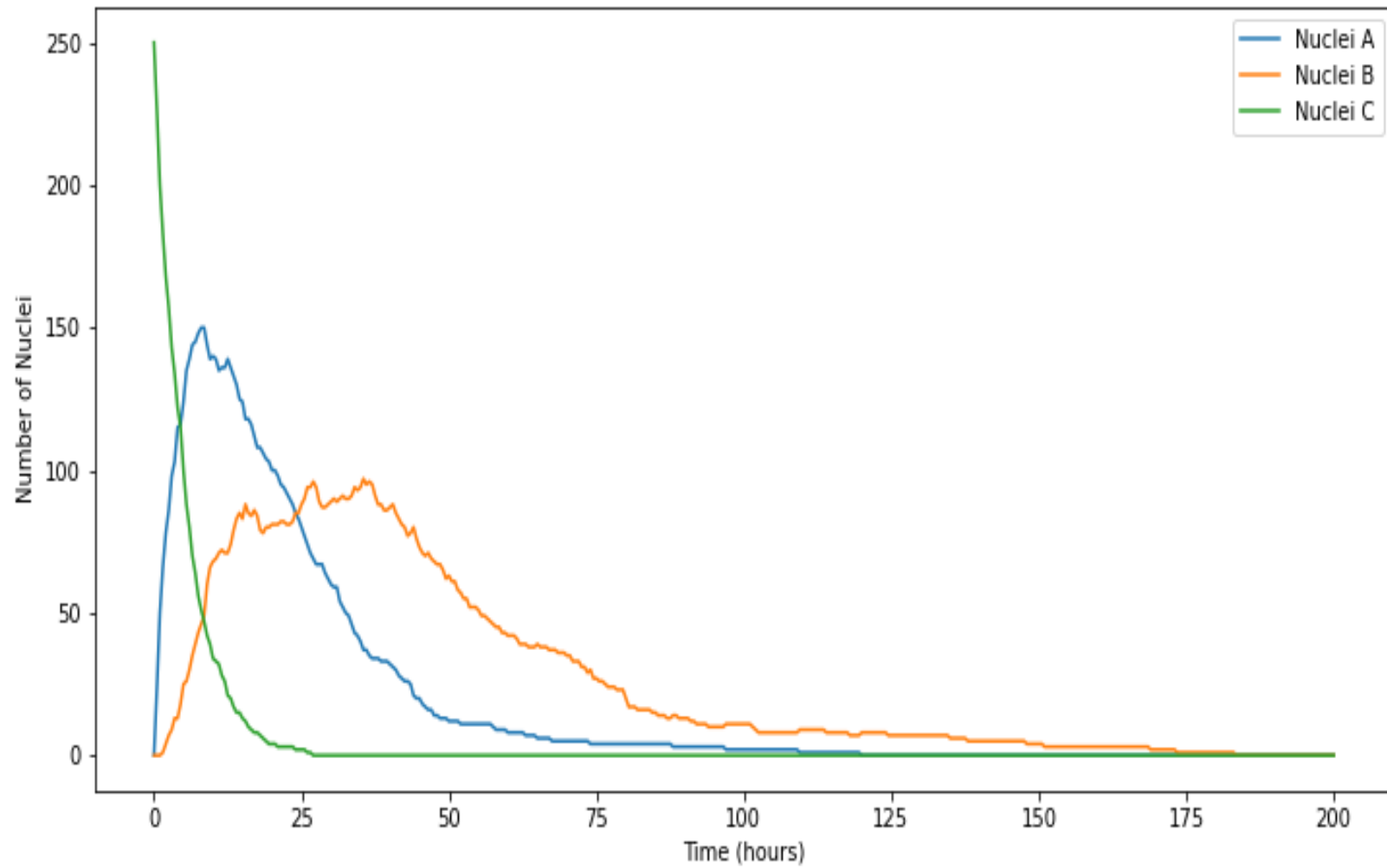
Projectile Trajectories for Different Angles



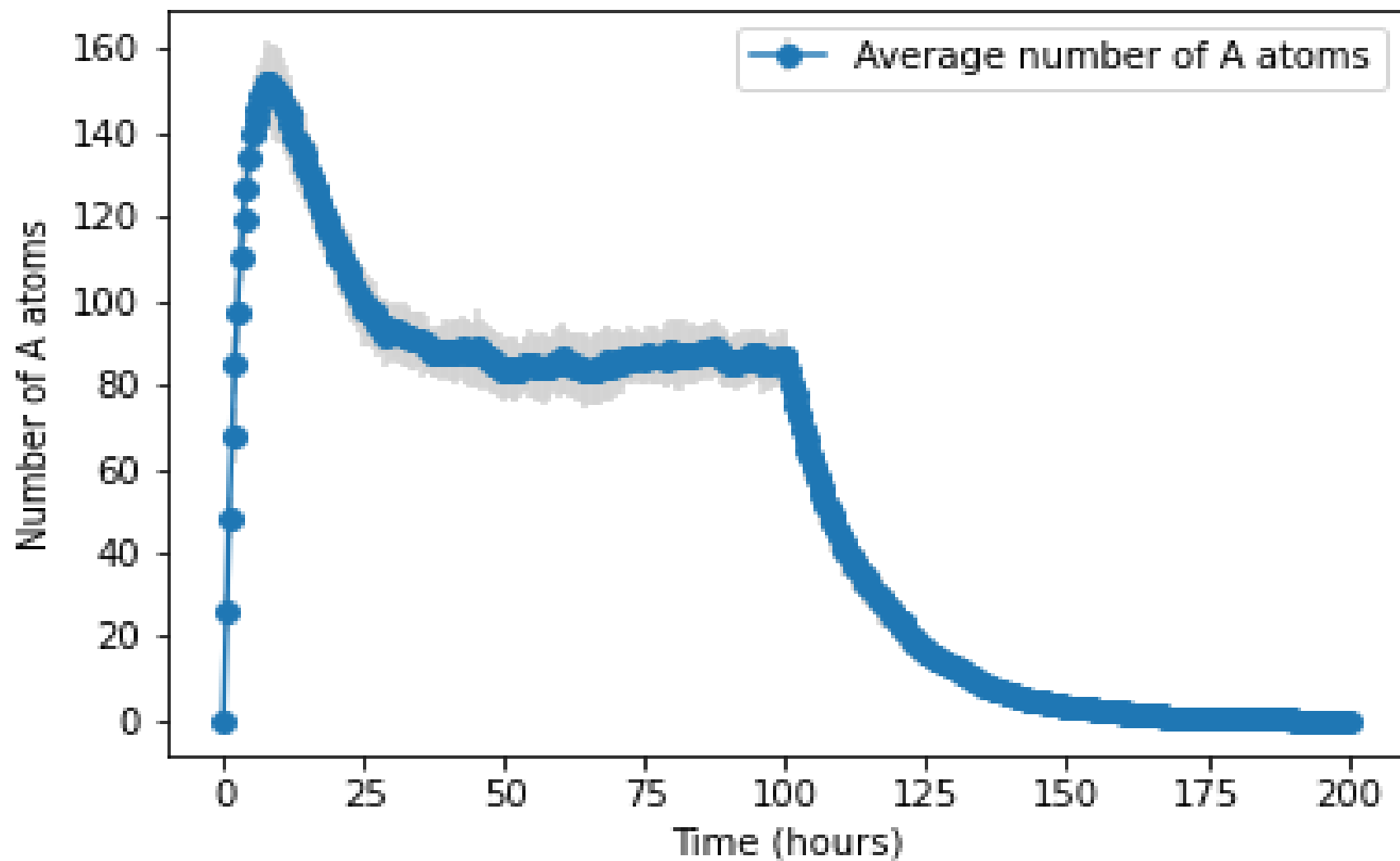
Projectile Range vs Initial Velocity at 60 Degrees



Evolution of Nuclei A, B, and C over Time

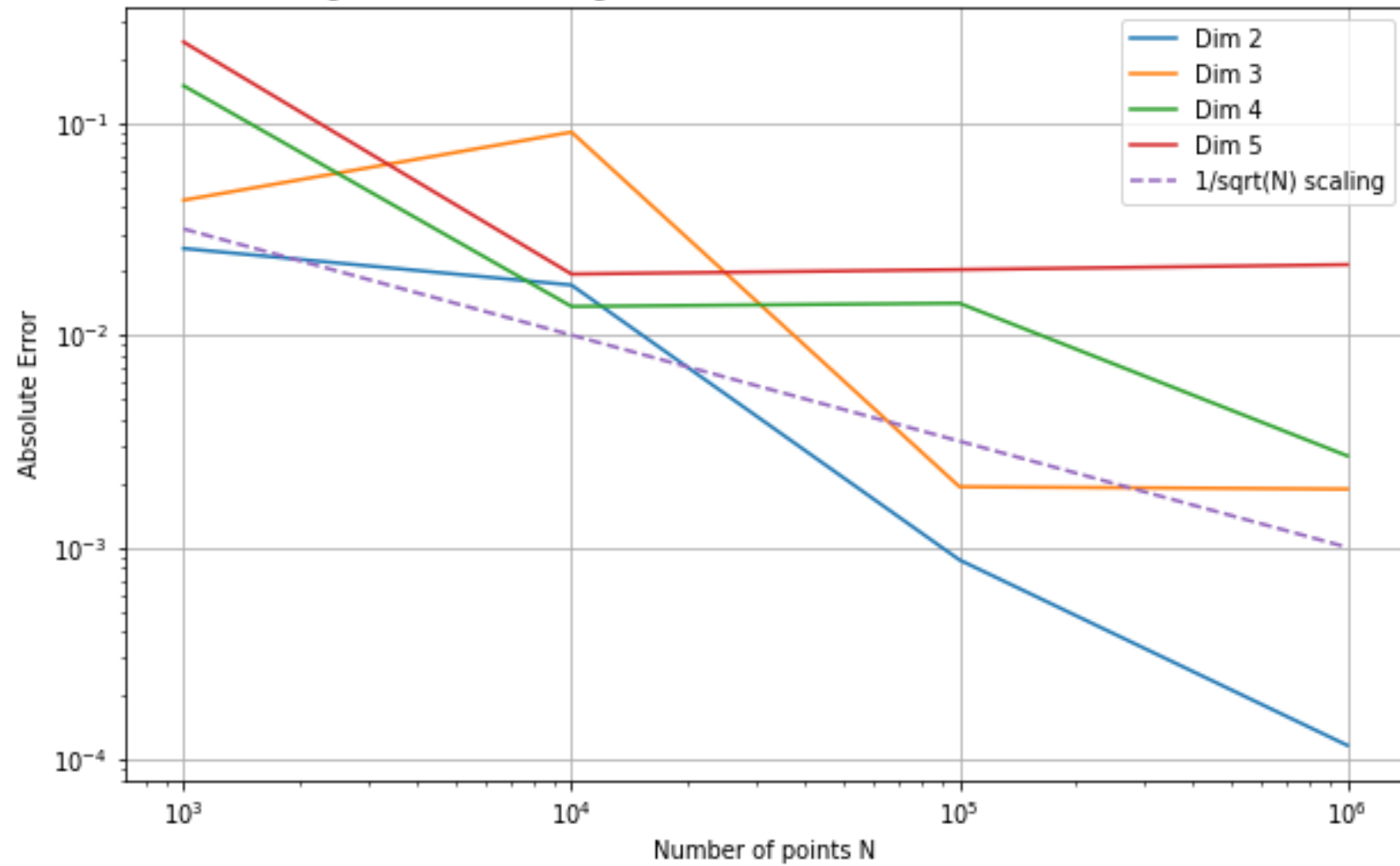


Evolution of A atoms with and without neutron flux

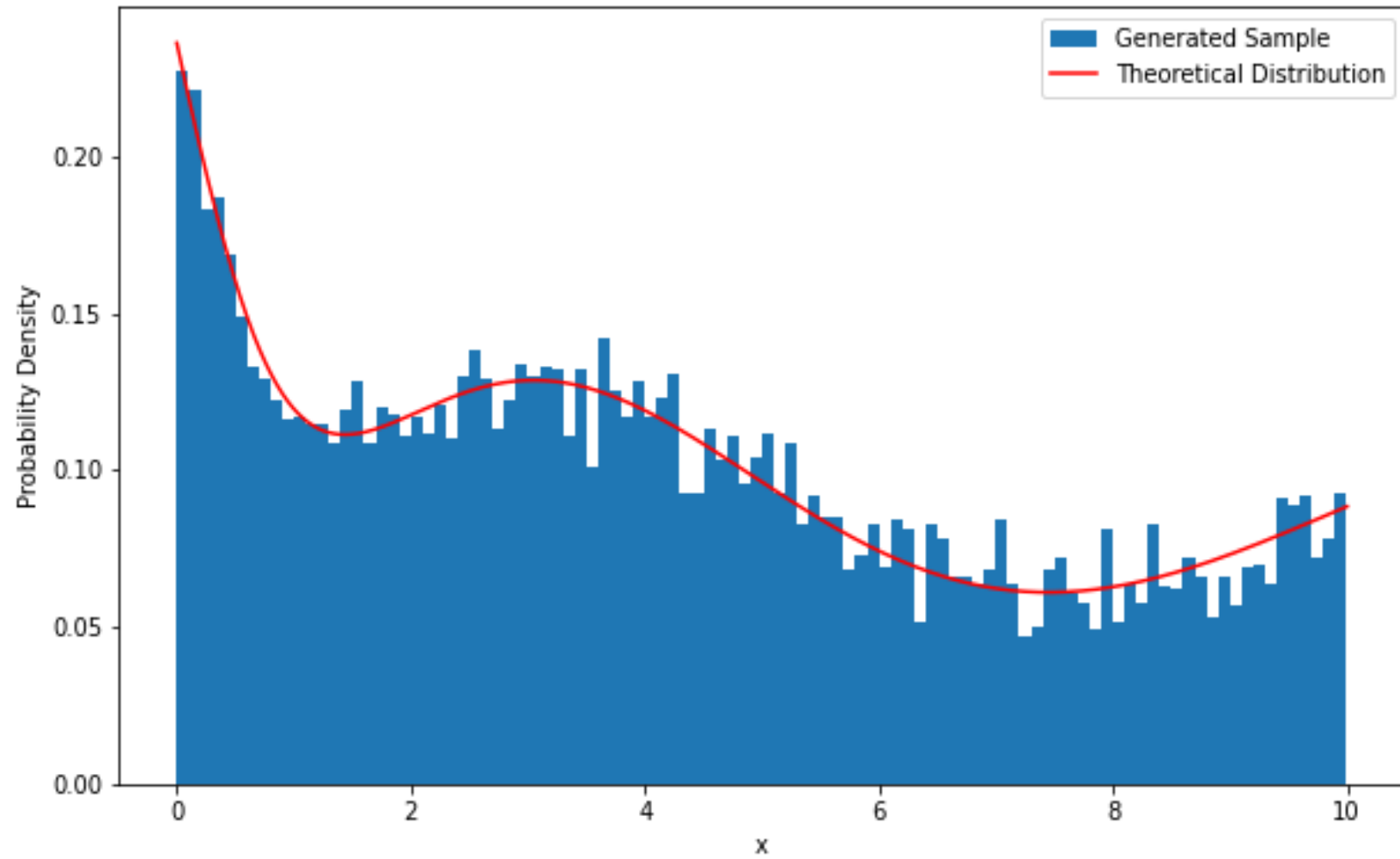




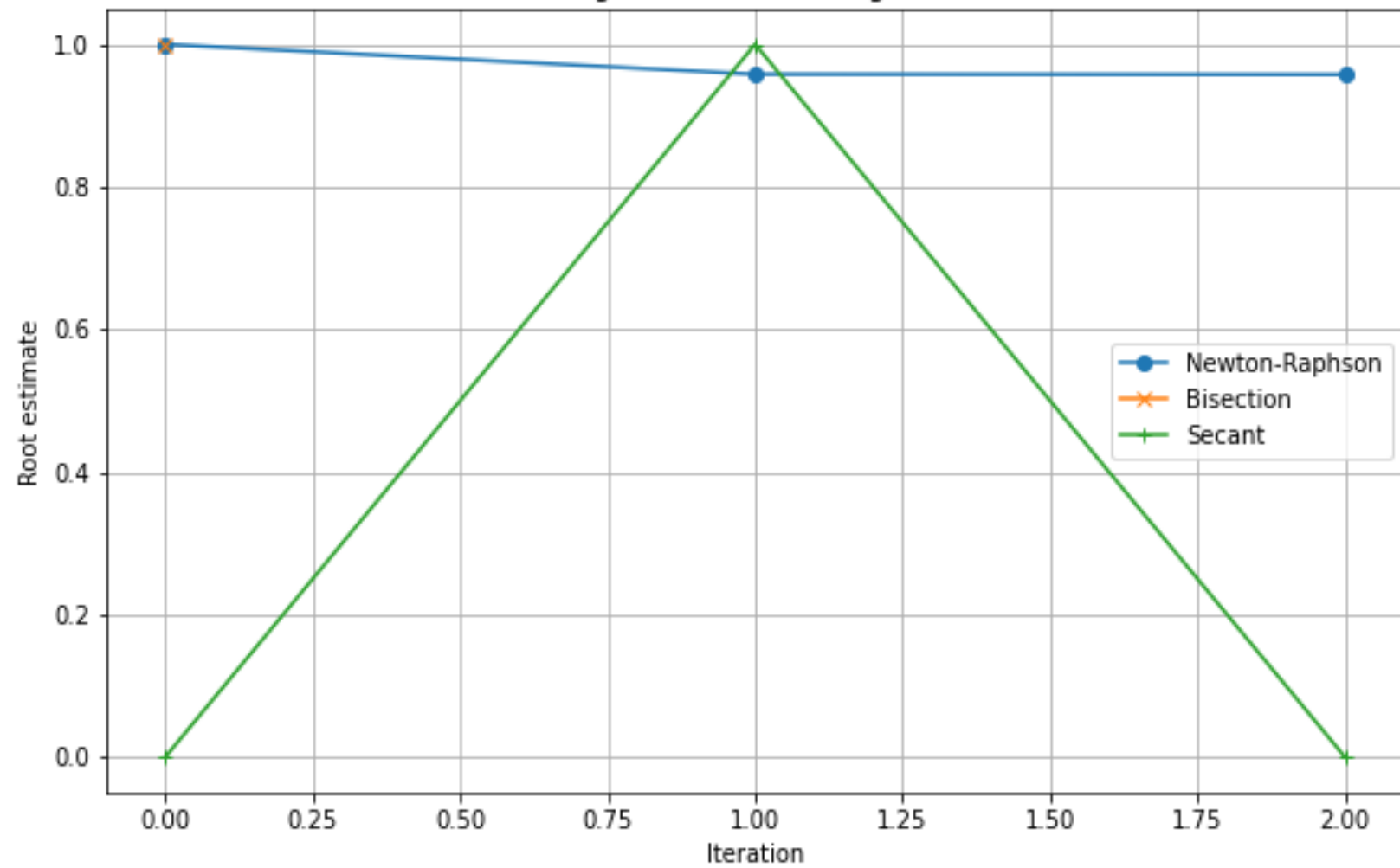
Integration Error Scaling with Number of Points in Different Dimensions



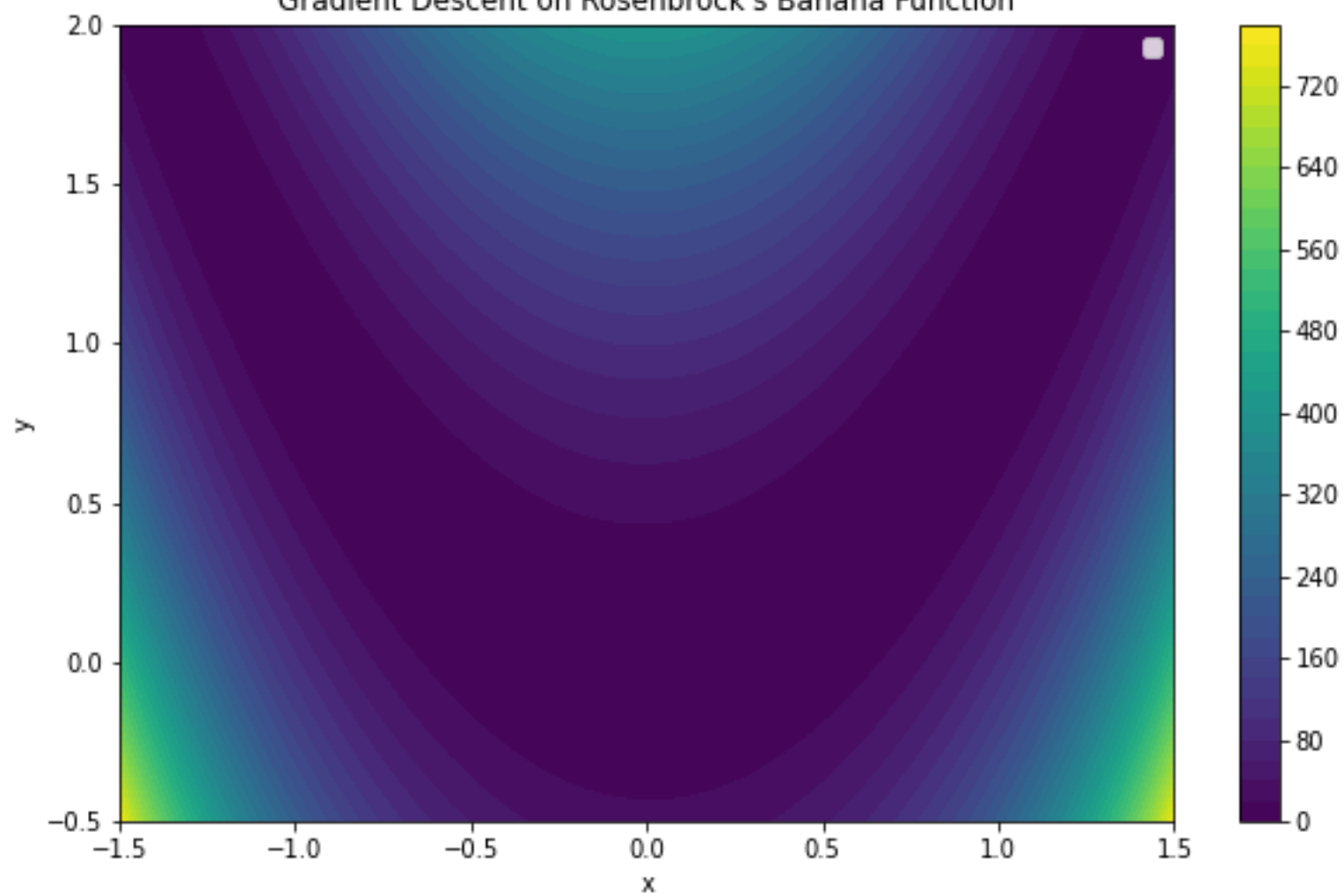
Distribution of Generated Sample vs Theoretical Distribution



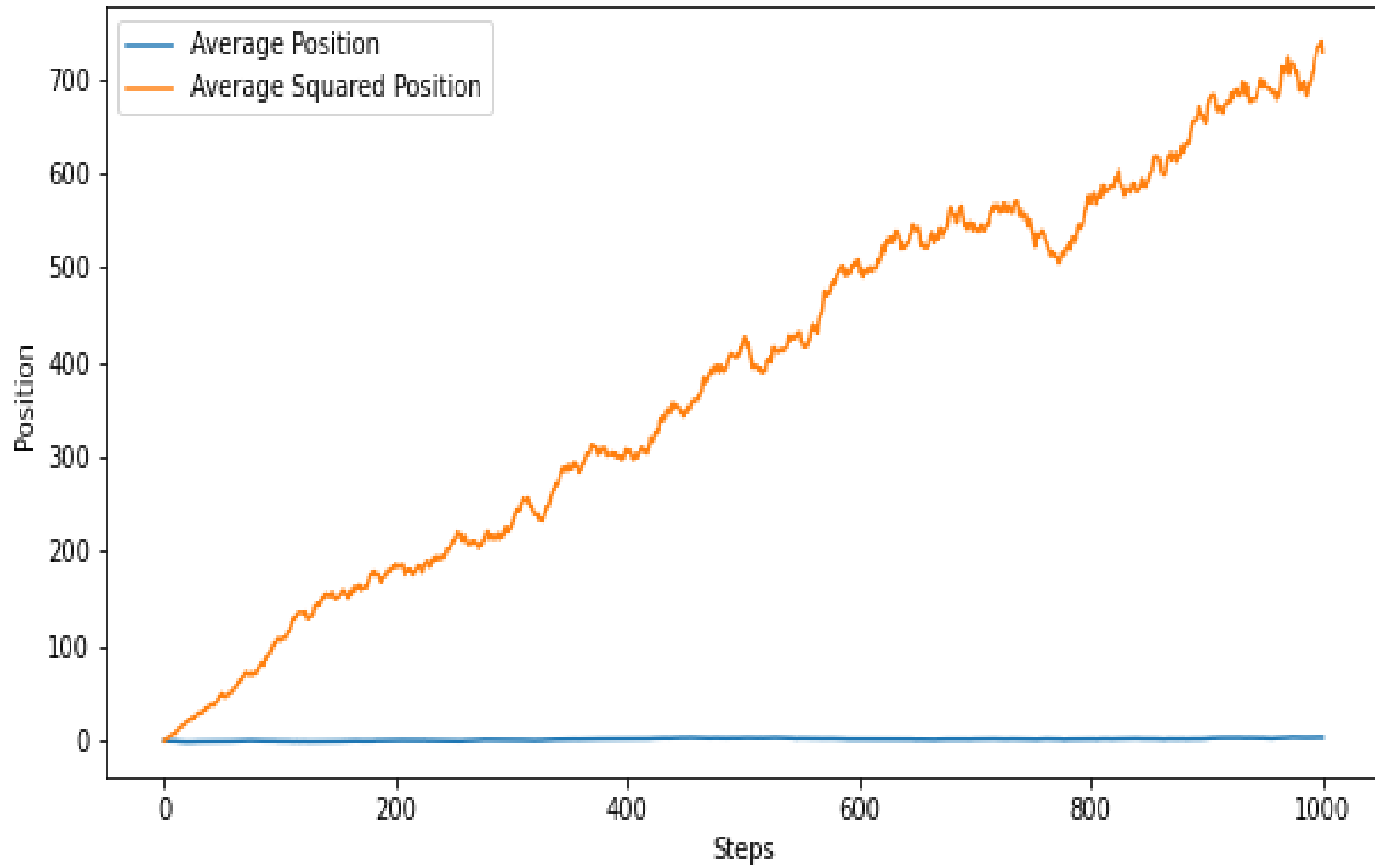
Convergence of root-finding methods



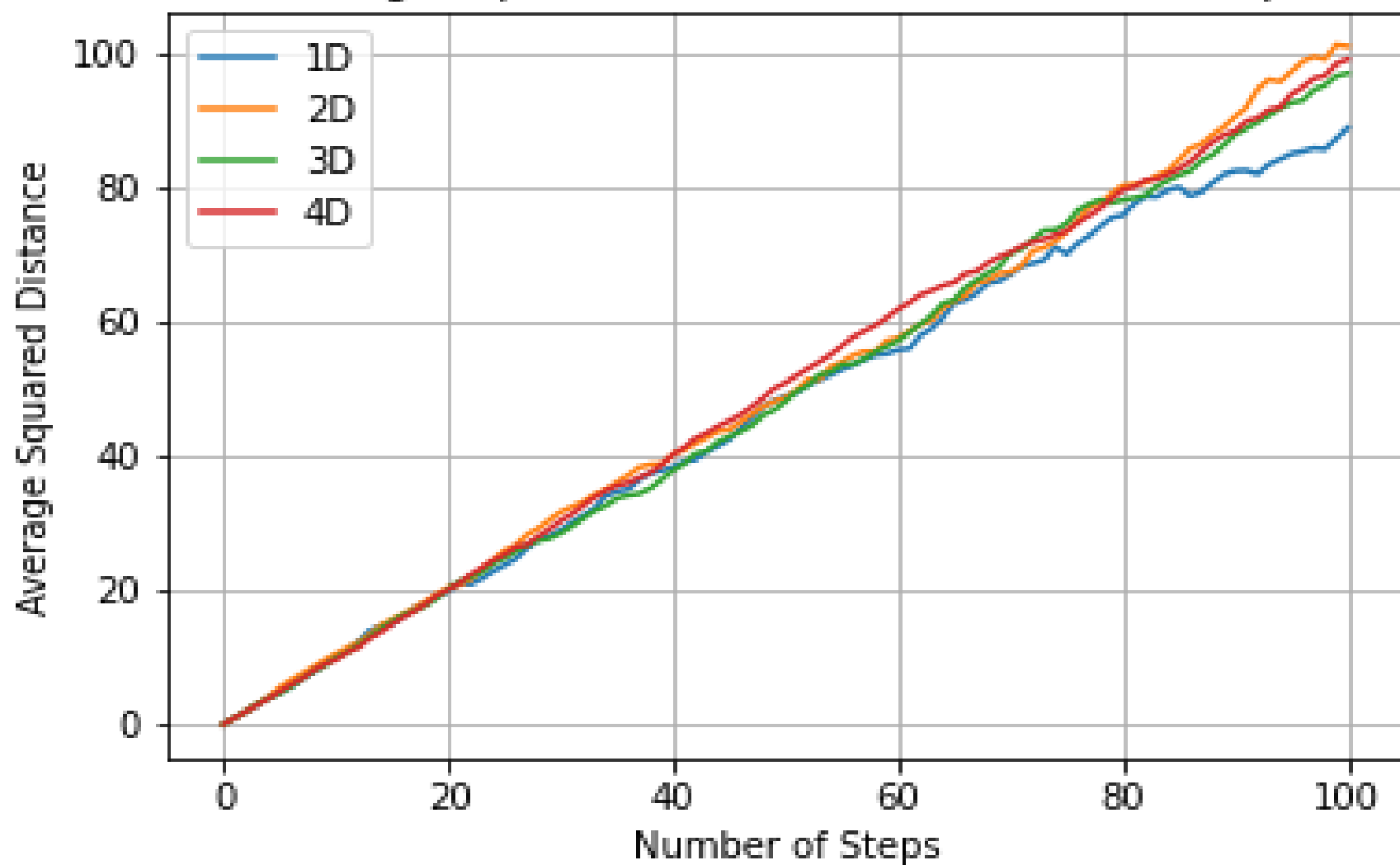
Gradient Descent on Rosenbrock's Banana Function



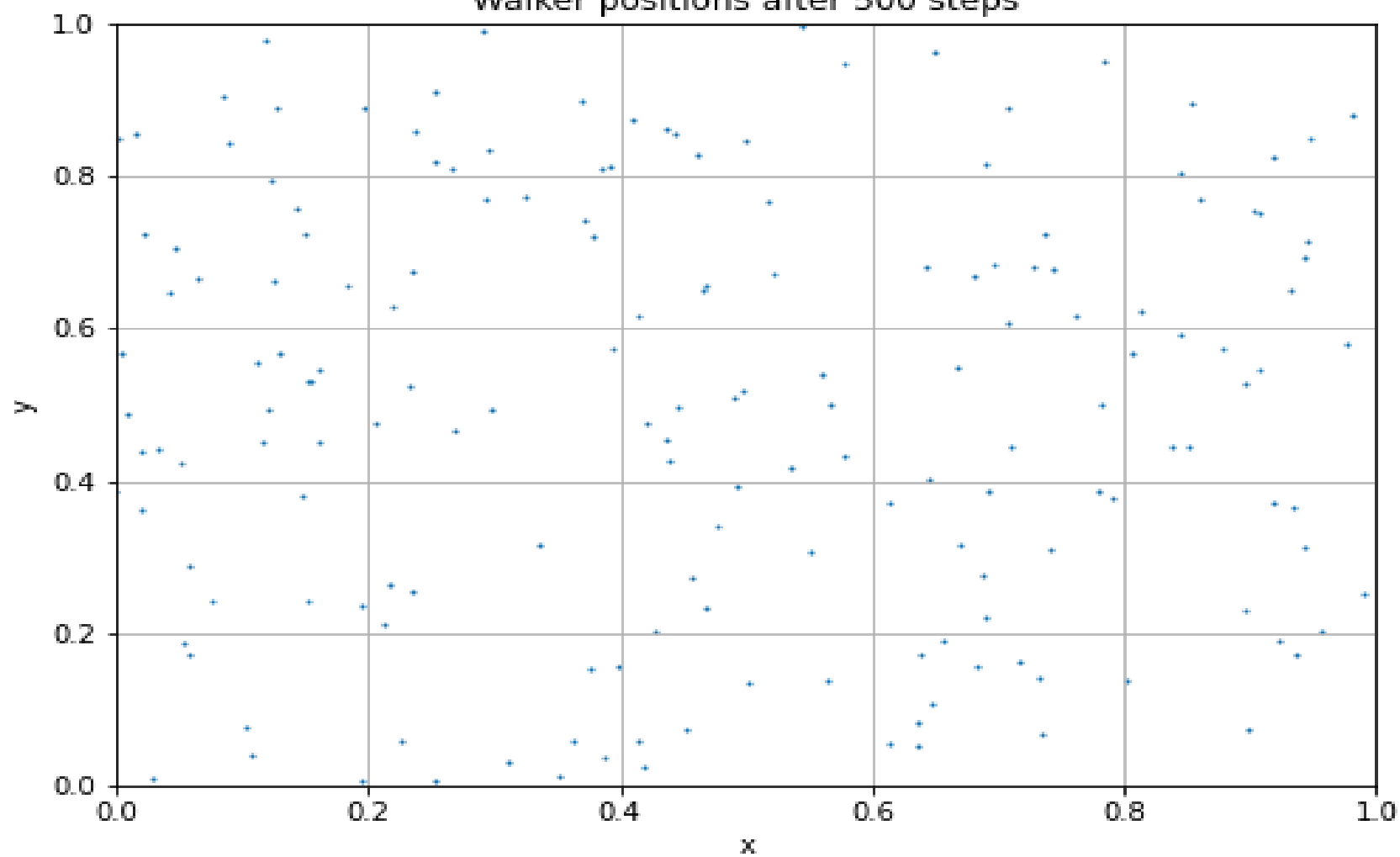
Average and Average Squared Position of 1D Walkers



Average Squared Distance vs. Number of Steps



Walker positions after 500 steps



AI?