

Plot for Exercise 2: Question 5: Hydrogen Molecule (Symmetric)

Mean distance between electrons (r_{12}) vs Interproton Distance (R)

VMC Simulation for Electron distance of Hydrogen Molecule (Symmetric)

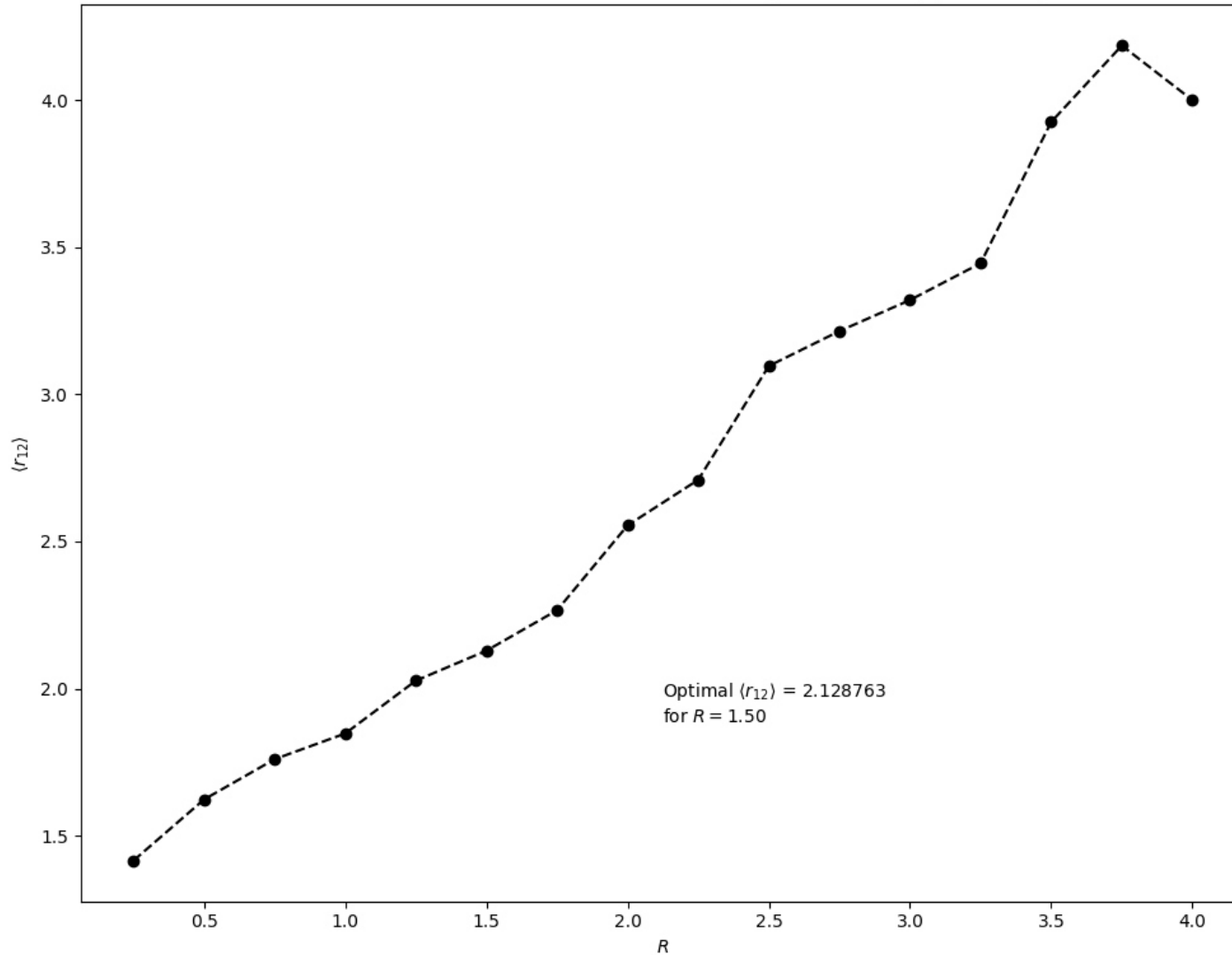


Table 1: Hydrogen Molecule:
Symmetric

R	r_{12}
0.25	1.4155
0.50	1.6232
0.75	1.7600
1.00	1.8474
1.25	2.0269
1.50	2.1288
1.75	2.2661
2.00	2.5547
2.25	2.7092
2.50	3.0961
2.75	3.2146
3.00	3.3203
3.25	3.4451
3.50	3.9253
3.75	4.1848
4.00	3.9995