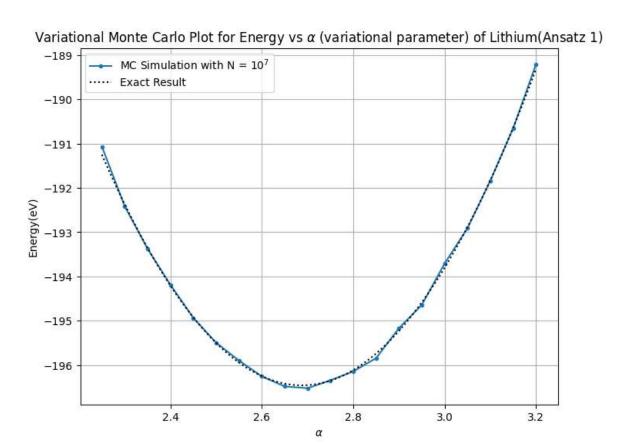
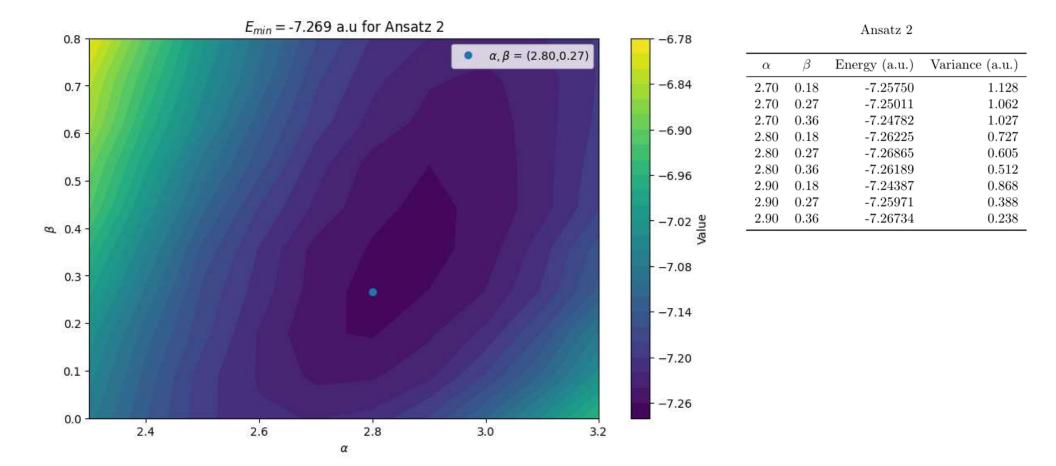
Lithium VMC



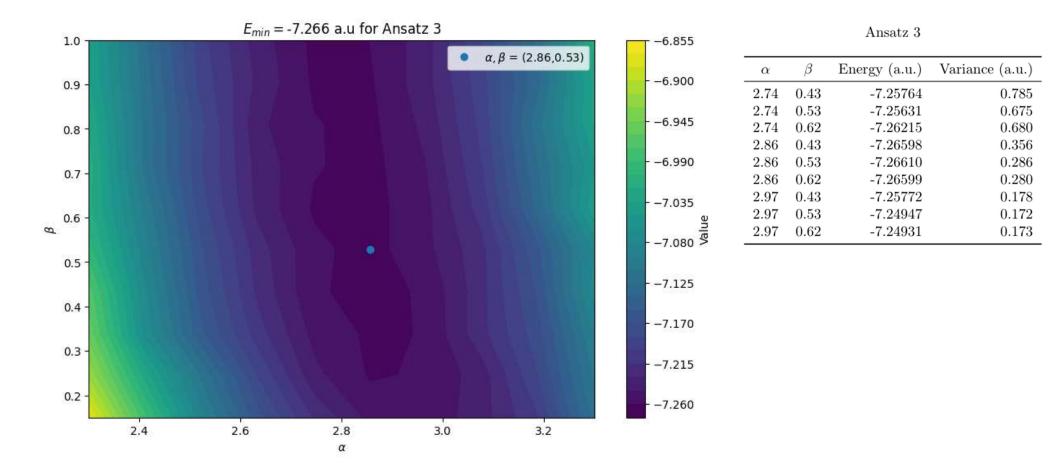
Average R12 for Ansatz 1 = 0.8094 bohr

Lithium VMC Ansatz 1

α	Energy(a.u)	Energy(eV)	Variance(a.u)
2.25	-7.02	-191.07	5.04
2.30	-7.07	-192.42	5.42
2.35	-7.11	-193.37	4.39
2.40	-7.14	-194.19	3.98
2.45	-7.17	-194.93	3.56
2.50	-7.19	-195.49	3.25
2.55	-7.20	-195.90	2.92
2.60	-7.22	-196.25	2.50
2.65	-7.22	-196.48	2.36
2.70	-7.23	-196.52	2.26
2.75	-7.22	-196.34	2.04
2.80	-7.21	-196.14	1.96
2.85	-7.20	-195.84	1.86
2.90	-7.18	-195.17	1.99
2.95	-7.16	-194.64	2.15
3.00	-7.12	-193.70	2.45
3.05	-7.09	-192.91	2.77
3.10	-7.05	-191.84	3.18



Average R12 for Ansatz 2 = 0.8511bohr



Average R12 for Ansatz 3 = 0.8398bohr