

ADAPT/VQE Benchmark Summary

Generated (UTC): 2026-02-21T22:53:36.505837+00:00

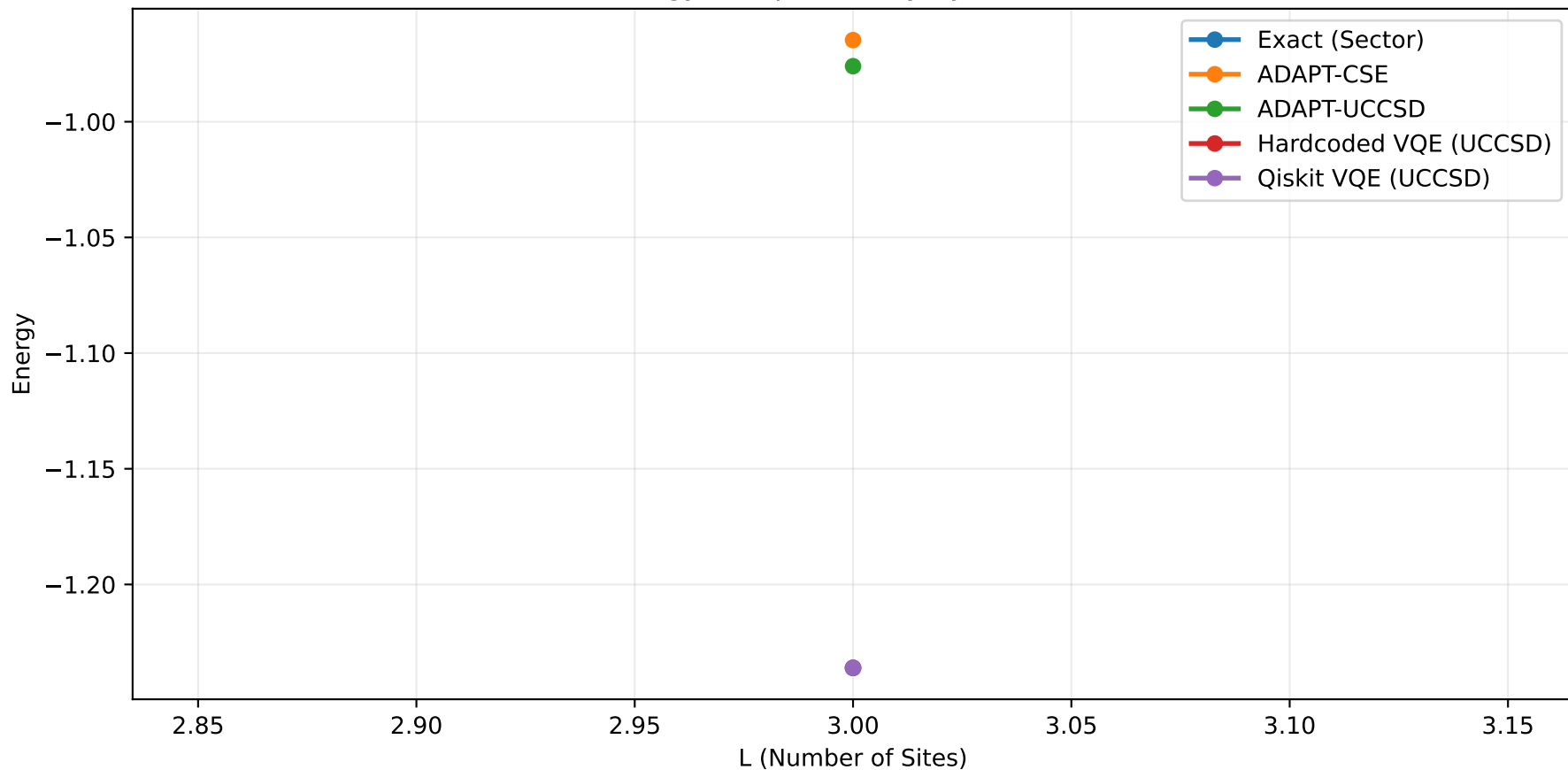
Settings:

```
sites=[3] t=1.0 u=4.0 dv=0.5 boundary=open ordering=blocked odd_policy=min_sz
ADAPT(inner_optimizer=lbfgs, inner_steps=20, max_depth=8, max_time_s=60.0, allow_repeats=True)
VQE(reps=2, restarts=1, maxiter=20, seed=7)
```

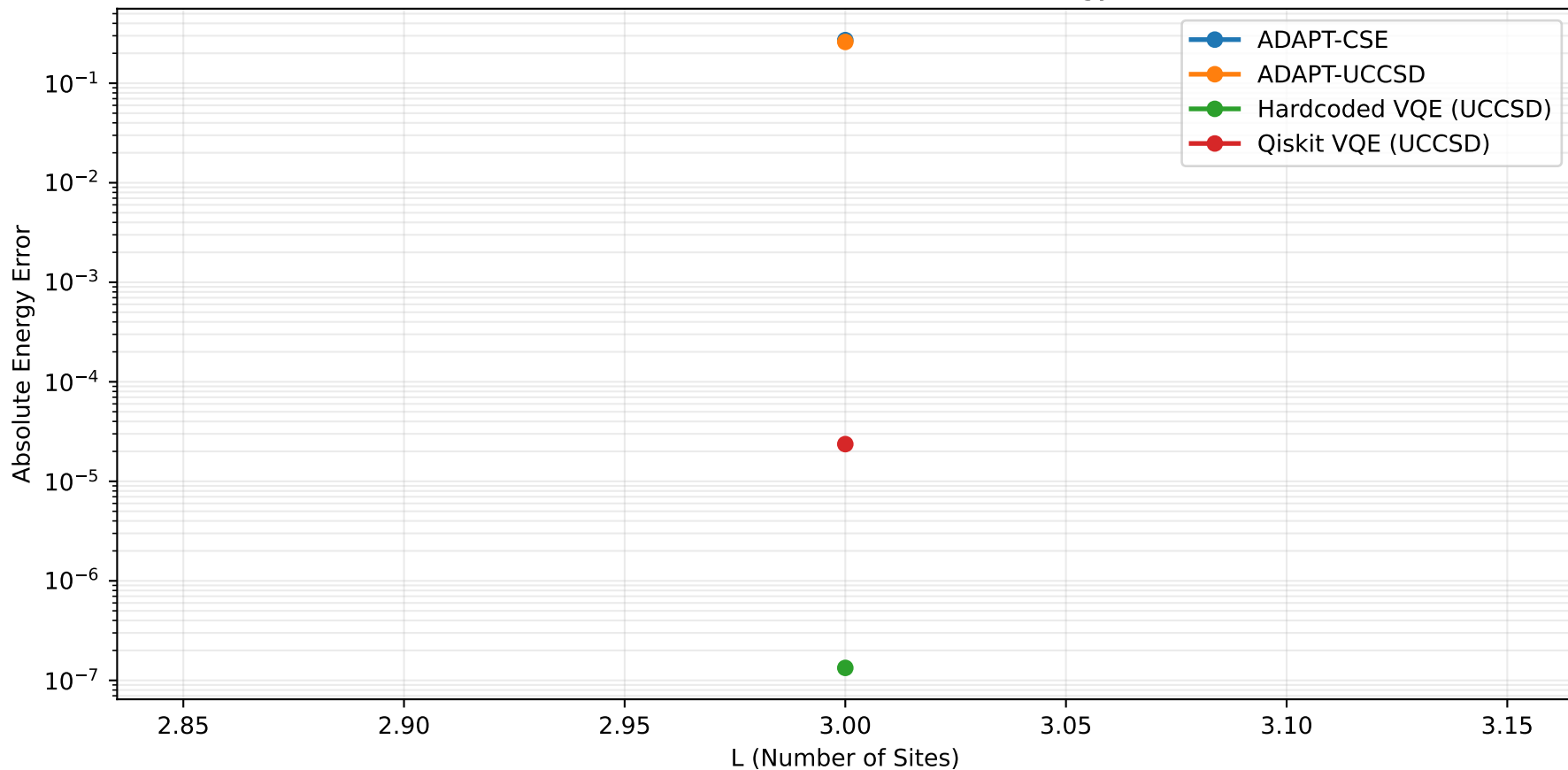
L=3 (n_up=2, n_down=1)

Exact (Sector)	E=-1.236067977500	dE =0.000e+00	t=0.00s
ADAPT-CSE	E=-0.964712231458	dE =2.714e-01	t=20.52s
ADAPT-UCCSD	E=-0.975987566281	dE =2.601e-01	t=64.25s
Hardcoded VQE (UCCSD)	E=-1.236067844029	dE =1.335e-07	t=2.35s
Qiskit VQE (UCCSD)	E=-1.236044321811	dE =2.366e-05	t=44.07s

Energy Comparison by System Size



Absolute Error vs Exact Sector Energy



Runtime by Method

