

## ADAPT/VQE Benchmark Summary

Generated (UTC): 2026-02-21T22:56:22.976489+00:00

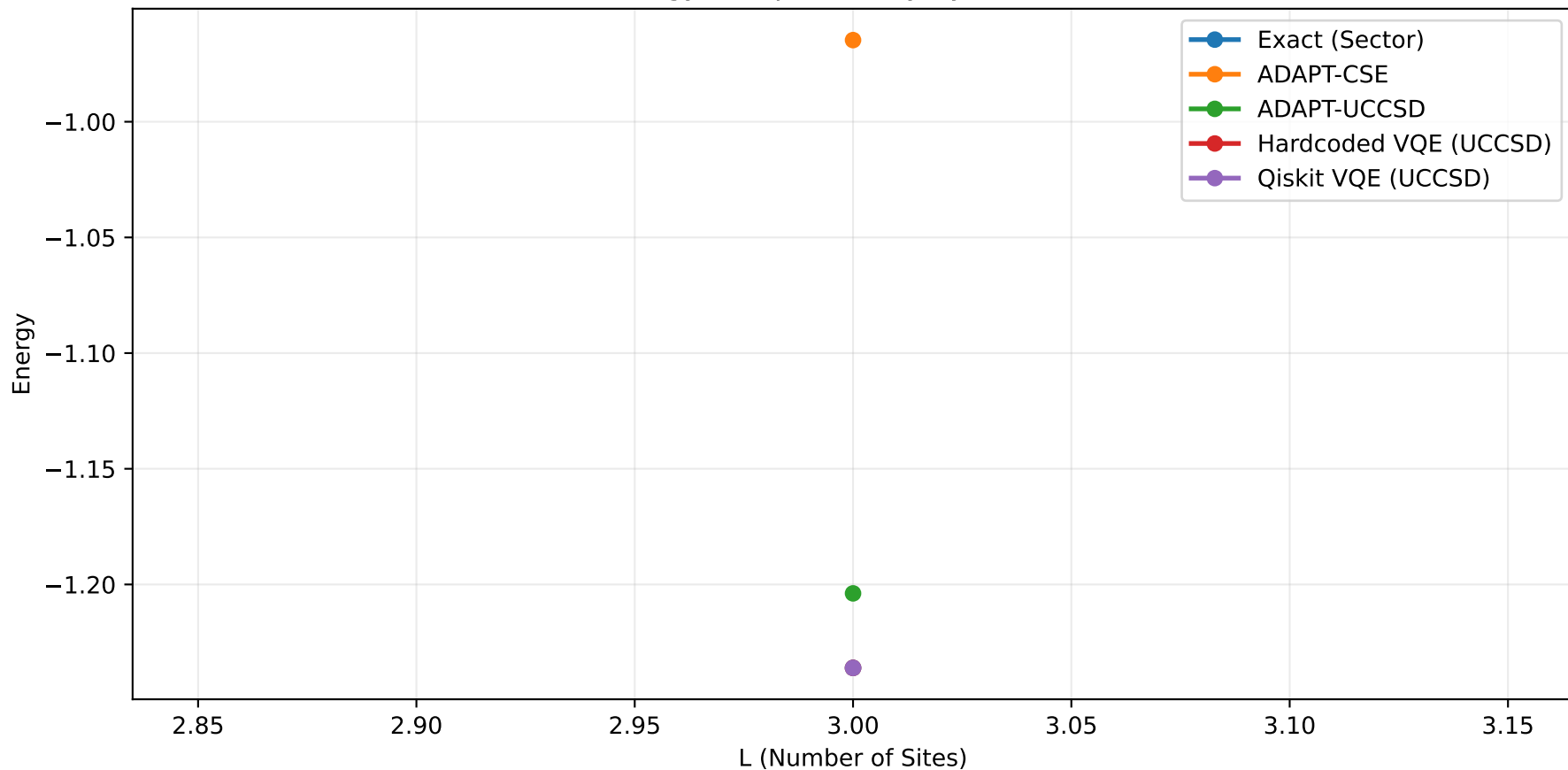
### Settings:

```
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=120, max_depth=12, max_time_s=300.0, allow_repeats=True)
VQE(reps=2, restarts=1, maxiter=100, seed=7)
```

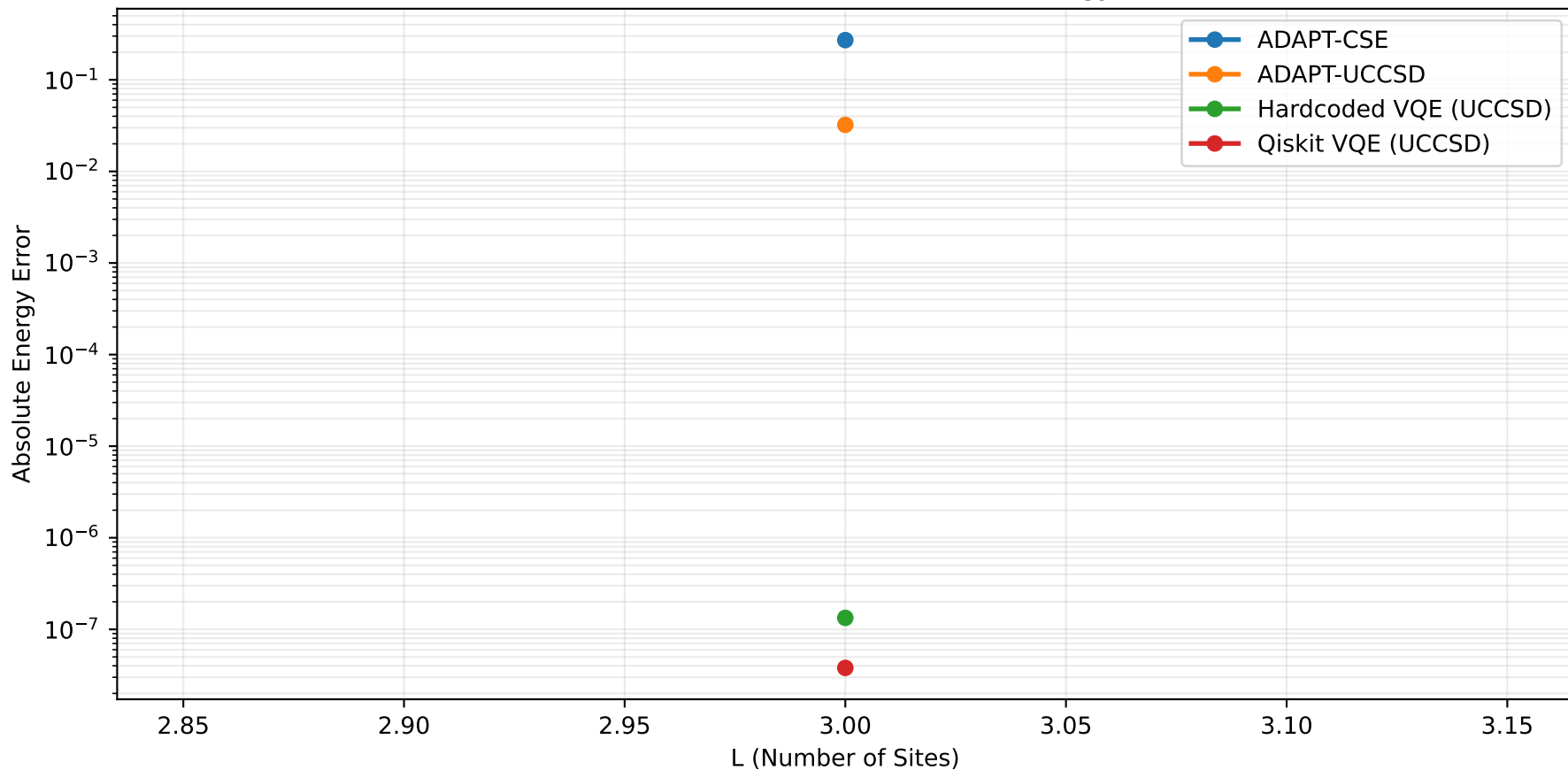
L=3 (n\_up=2, n\_down=1)

Exact (Sector)	E=-1.236067977500  dE =0.000e+00 t=0.00s
ADAPT-CSE	E=-0.964712231458  dE =2.714e-01 t=23.25s
ADAPT-UCCSD	E=-1.203854763618  dE =3.221e-02 t=391.92s
Hardcoded VQE (UCCSD)	E=-1.236067844029  dE =1.335e-07 t=2.55s
Qiskit VQE (UCCSD)	E=-1.236067939546  dE =3.795e-08 t=41.74s

Energy Comparison by System Size



Absolute Error vs Exact Sector Energy



Runtime by Method

