

ADAPT/VQE Benchmark Summary

Generated (UTC): 2026-02-21T22:20:11.799277+00:00

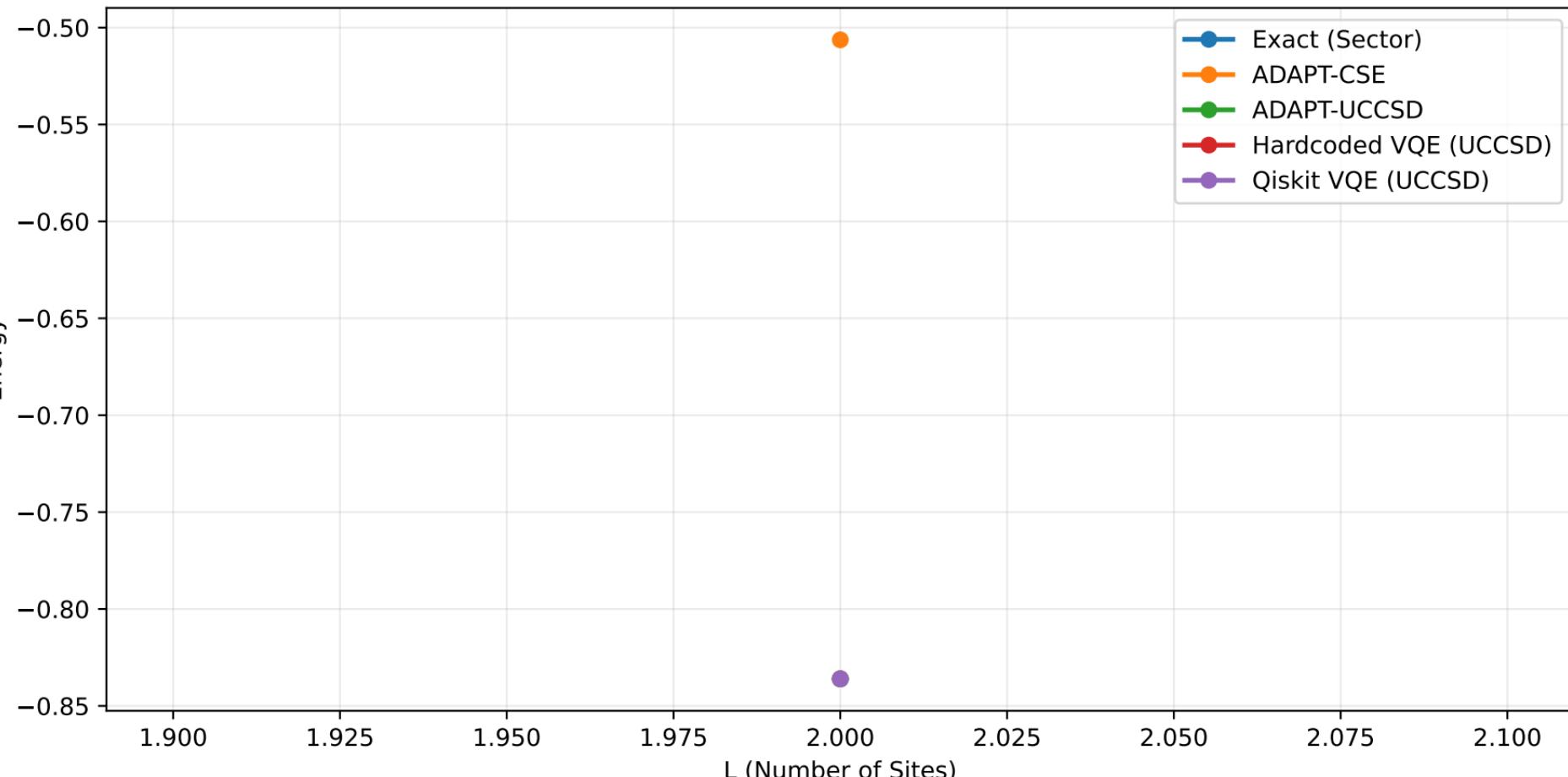
Settings:

```
sites=[2] t=1.0 u=4.0 dv=0.5 boundary=open ordering=blocked odd_policy=min_sz  
ADAPT(inner_optimizer=lbfsgs, inner_steps=0, max_depth=6, max_time_s=30.0, allow_repeats=True)  
VQE(reps=2, restarts=1, maxiter=20, seed=7)
```

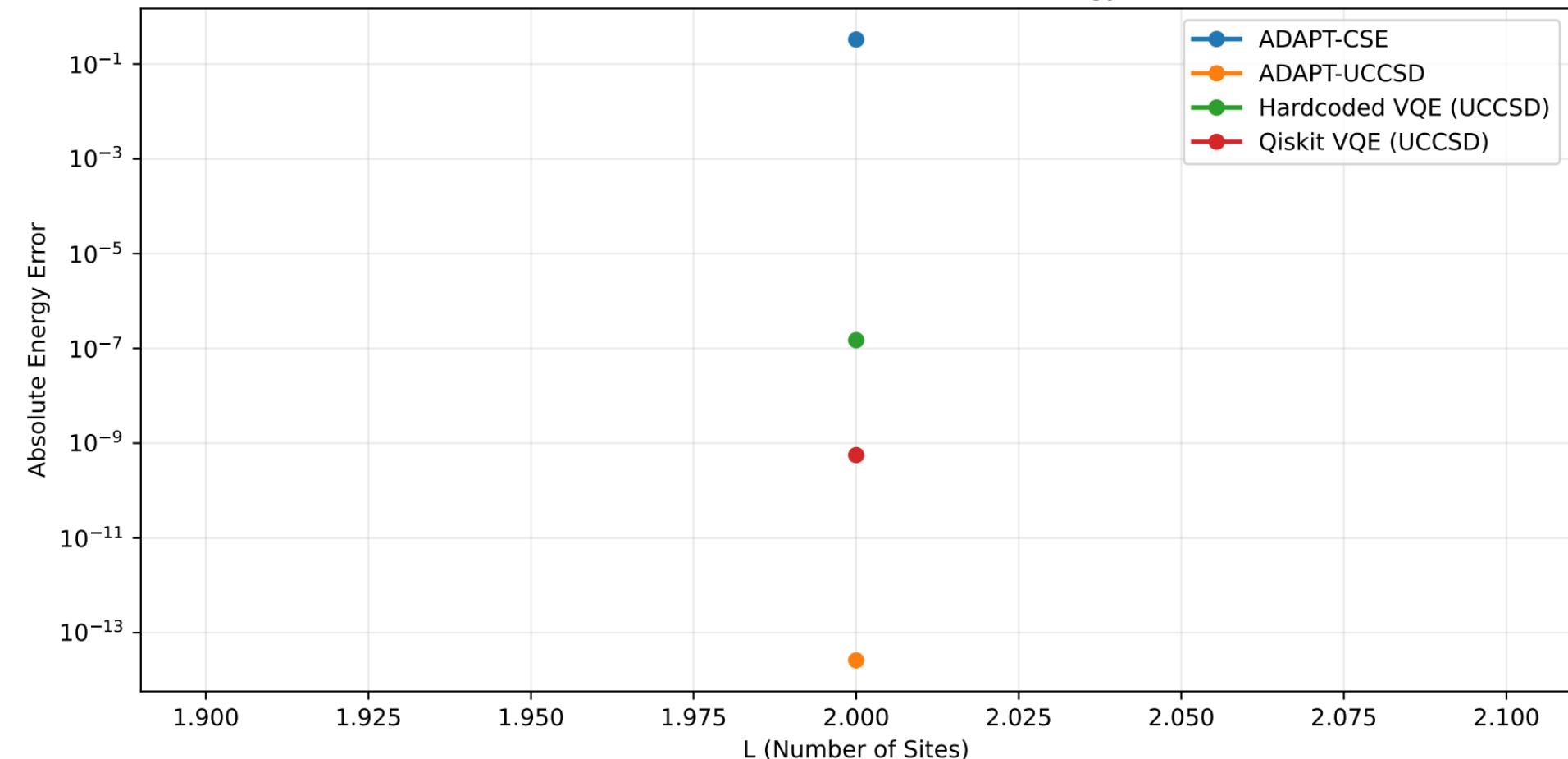
L=2 (n_up=1, n_down=1)

Exact (Sector)	E=-0.836057118155 dE =0.000e+00 t=0.00s
ADAPT-CSE	E=-0.506312970693 dE =3.297e-01 t=2.30s
ADAPT-UCCSD	E=-0.836057118155 dE =2.609e-14 t=12.64s
Hardcoded VQE (UCCSD)	E=-0.836056968909 dE =1.492e-07 t=0.05s
Qiskit VQE (UCCSD)	E=-0.836057117595 dE =5.600e-10 t=1.79s

Energy Comparison by System Size



Absolute Error vs Exact Sector Energy



Runtime by Method

