

ADAPT/VQE Benchmark Summary

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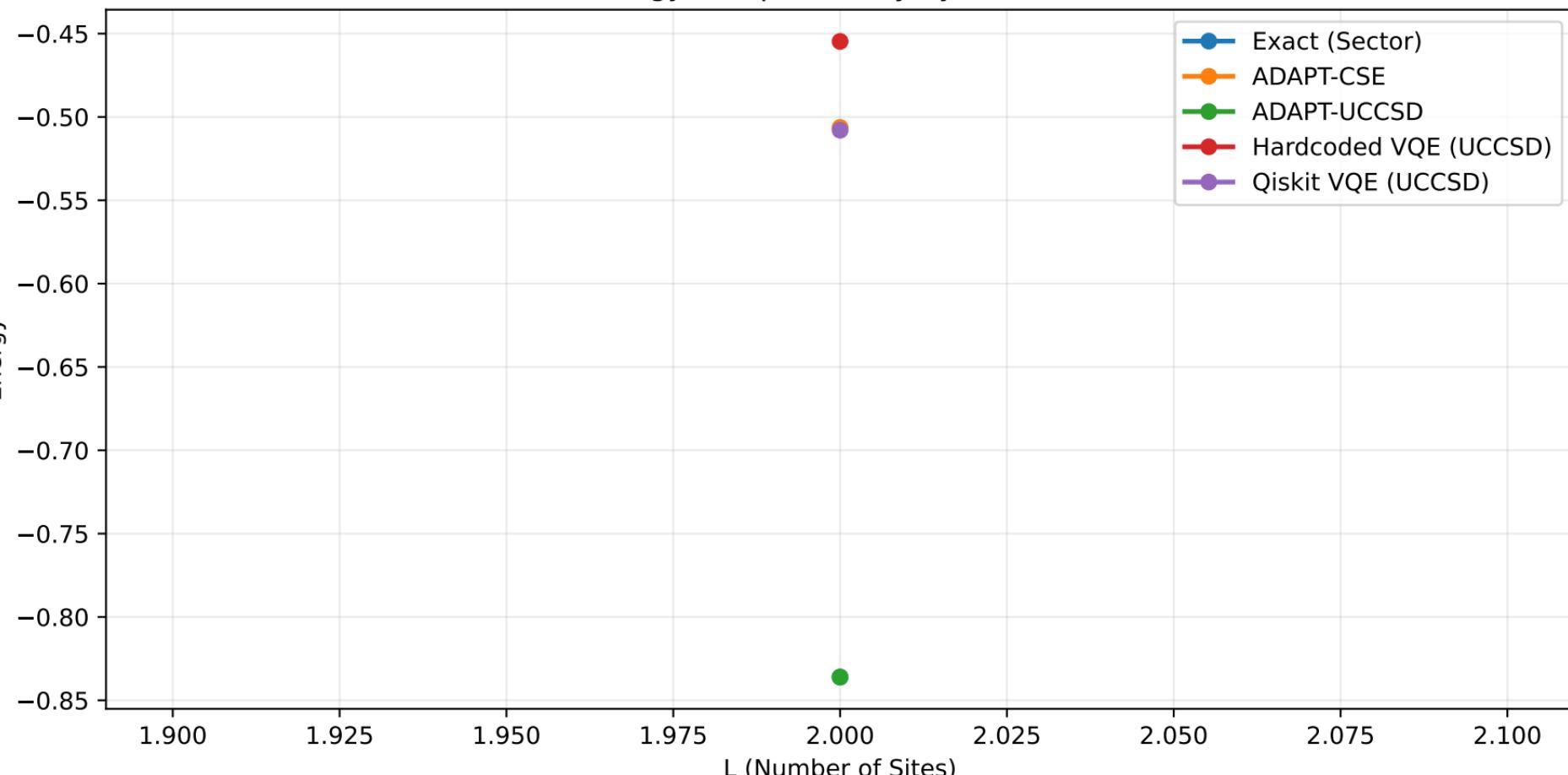
Settings:

```
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=40, max_depth=4, max_time_s=30.0, allow_repeats=True)  
VQE(reps=1, restarts=1, maxiter=60, seed=7)
```

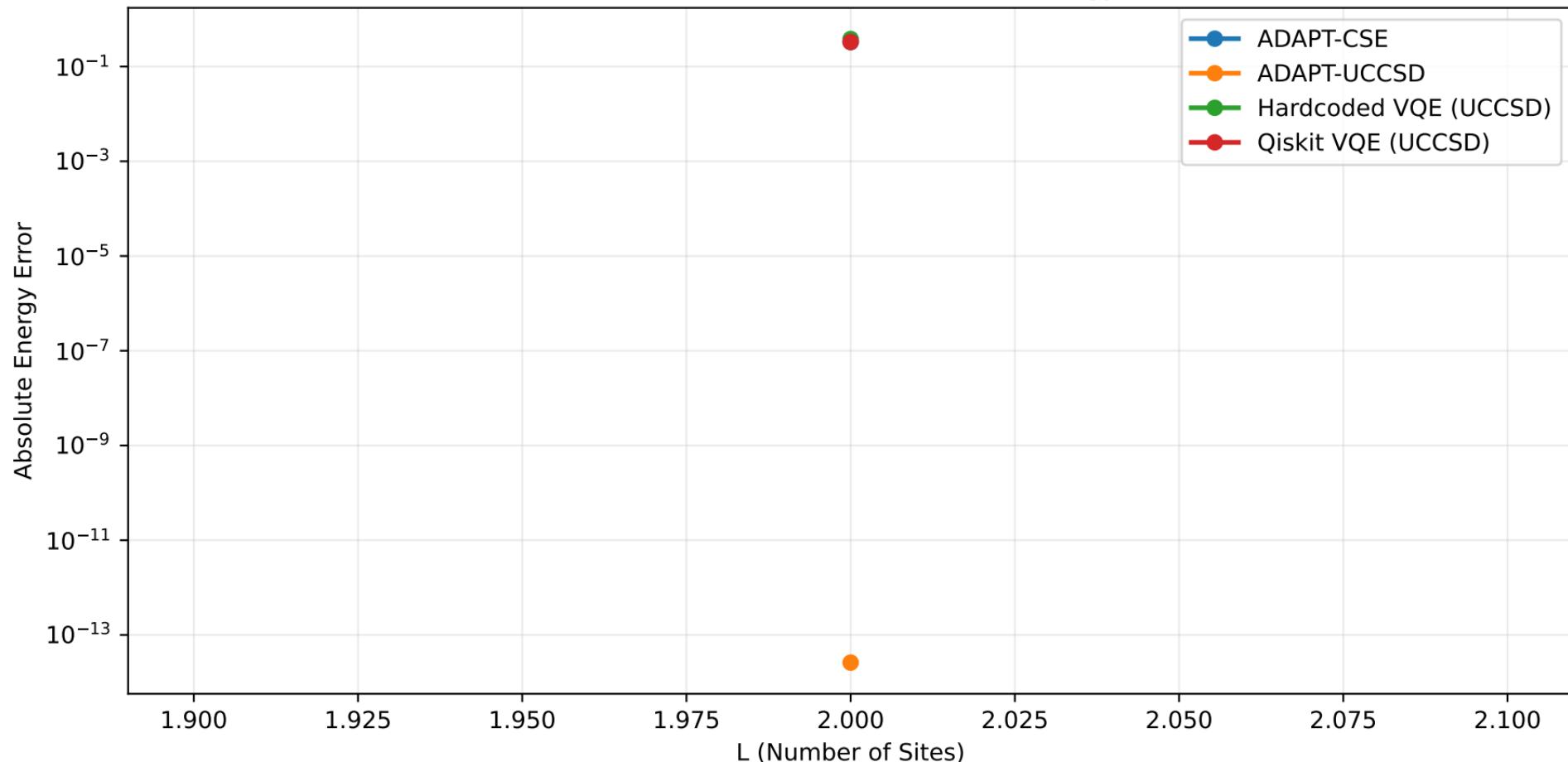
L=2 (n\_up=1, n\_down=1)

Exact (Sector)	E=-0.836057118155  dE =0.000e+00 t=0.00s
ADAPT-CSE	E=-0.506312970693  dE =3.297e-01 t=1.79s
ADAPT-UCCSD	E=-0.836057118155  dE =2.609e-14 t=9.97s
Hardcoded VQE (UCCSD)	E=-0.454692982308  dE =3.814e-01 t=0.02s
Qiskit VQE (UCCSD)	E=-0.507936490187  dE =3.281e-01 t=0.39s

## Energy Comparison by System Size



## Absolute Error vs Exact Sector Energy



### Runtime by Method

