

ADAPT/VQE Benchmark Summary

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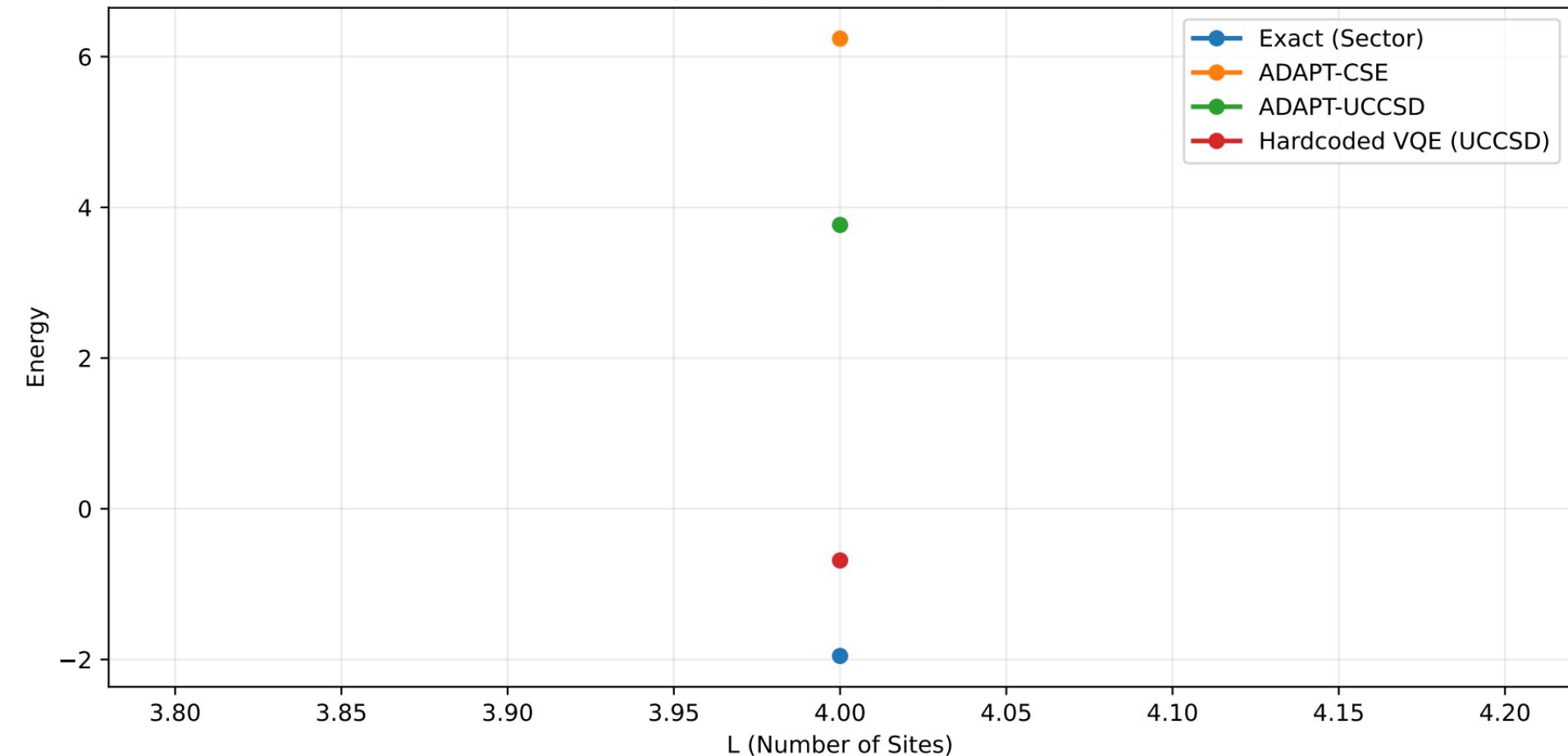
Settings:

```
sites=[4] t=1.0 u=4.0 dv=0.5 boundary=open ordering=blocked odd_policy=min_sz  
ADAPT(inner_optimizer=lbfsgs, inner_steps=1, max_depth=1, max_time_s=30.0, allow_repeats=True)  
VQE(reps=1, restarts=1, maxiter=10, seed=7)  
include_qiskit_vqe=False
```

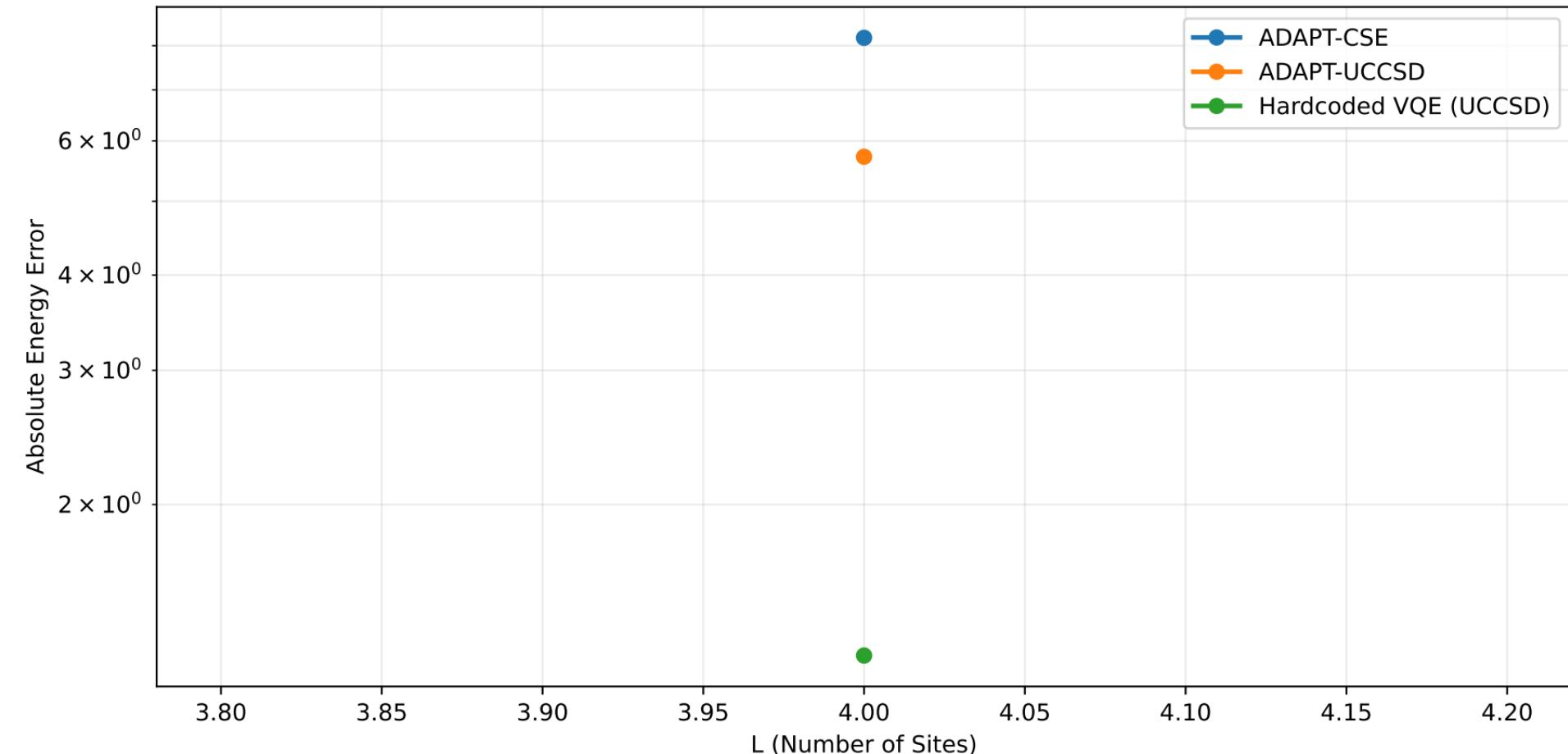
L=4 (n_up=2, n_down=2)

Exact (Sector)	E=-1.953145308685 dE =0.000e+00 t=0.00s
ADAPT-CSE	E= 6.239133628592 dE =8.192e+00 t=2.58s
ADAPT-UCCSD	E= 3.766347200029 dE =5.719e+00 t=7.48s
Hardcoded VQE (UCCSD)	E=-0.685608617040 dE =1.268e+00 t=13.04s

Energy Comparison by System Size



Absolute Error vs Exact Sector Energy



Runtime by Method

