

ADAPT/VQE Benchmark Summary

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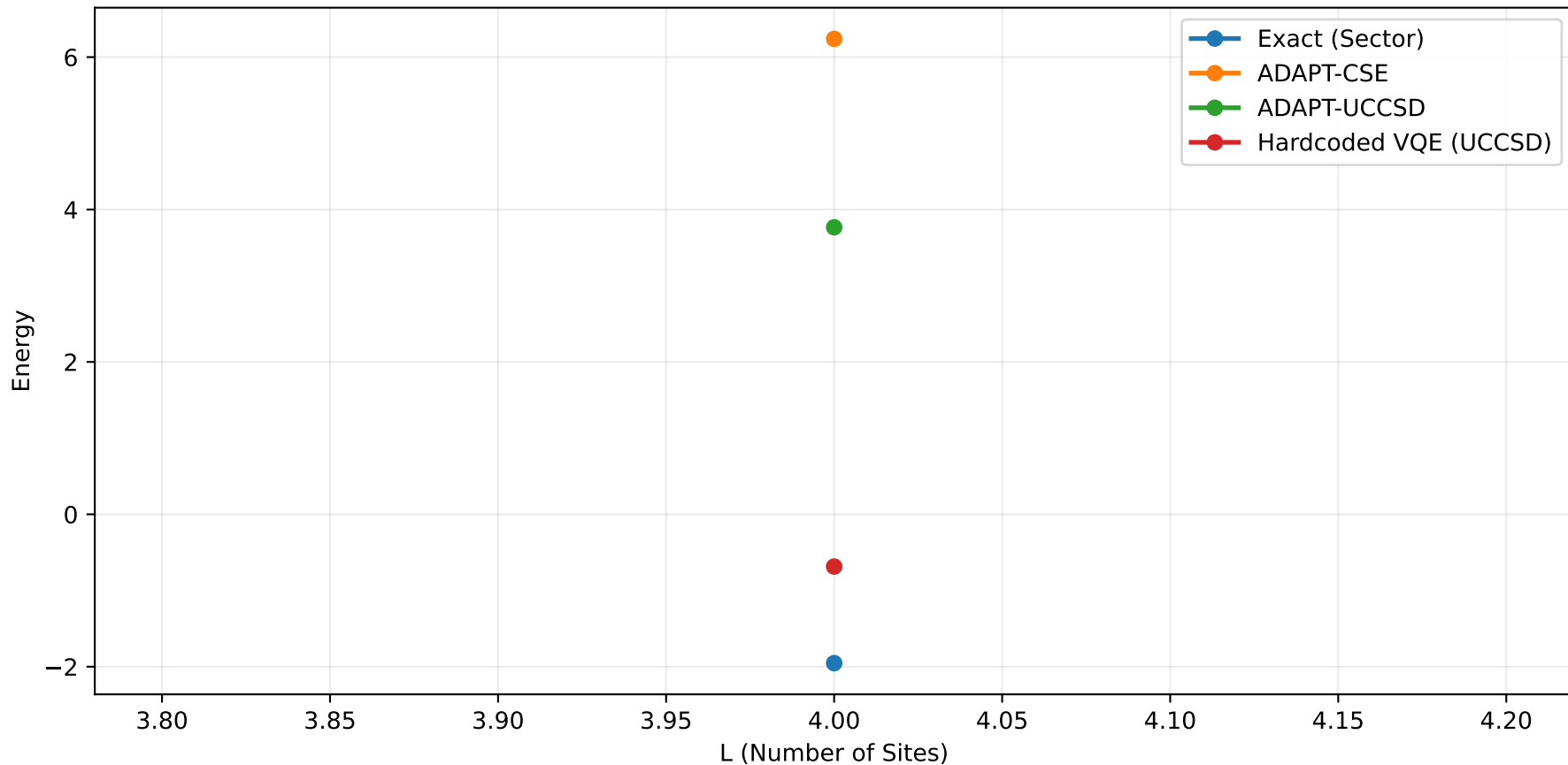
Settings:

```
sites=[4] t=1.0 u=4.0 dv=0.5 boundary=open ordering=blocked odd_policy=min_sz
ADAPT(inner_optimizer=lbfgs, 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
```

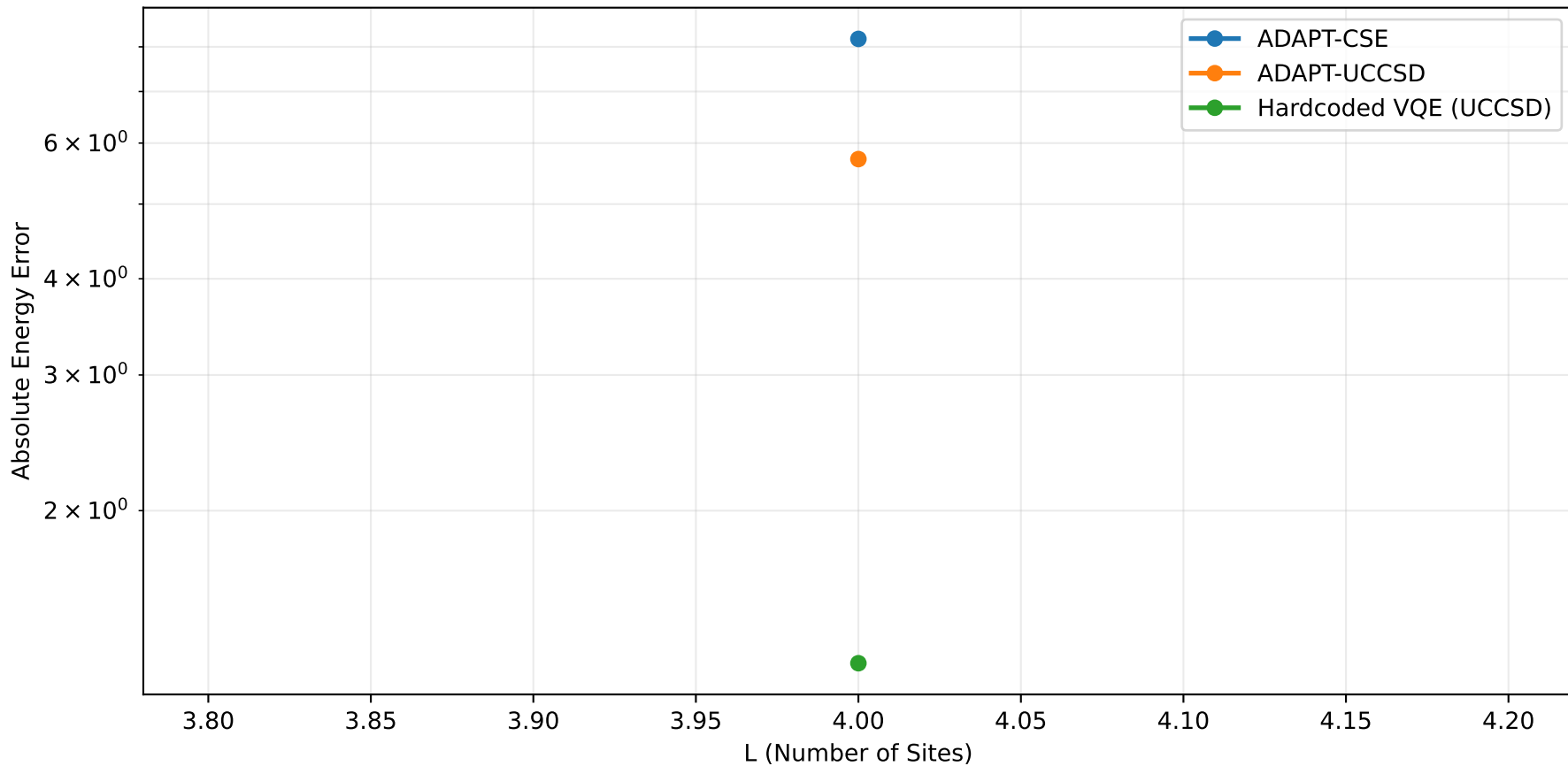
L=4 (n_up=2, n_down=2)

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

