

ADAPT/VQE Benchmark Summary

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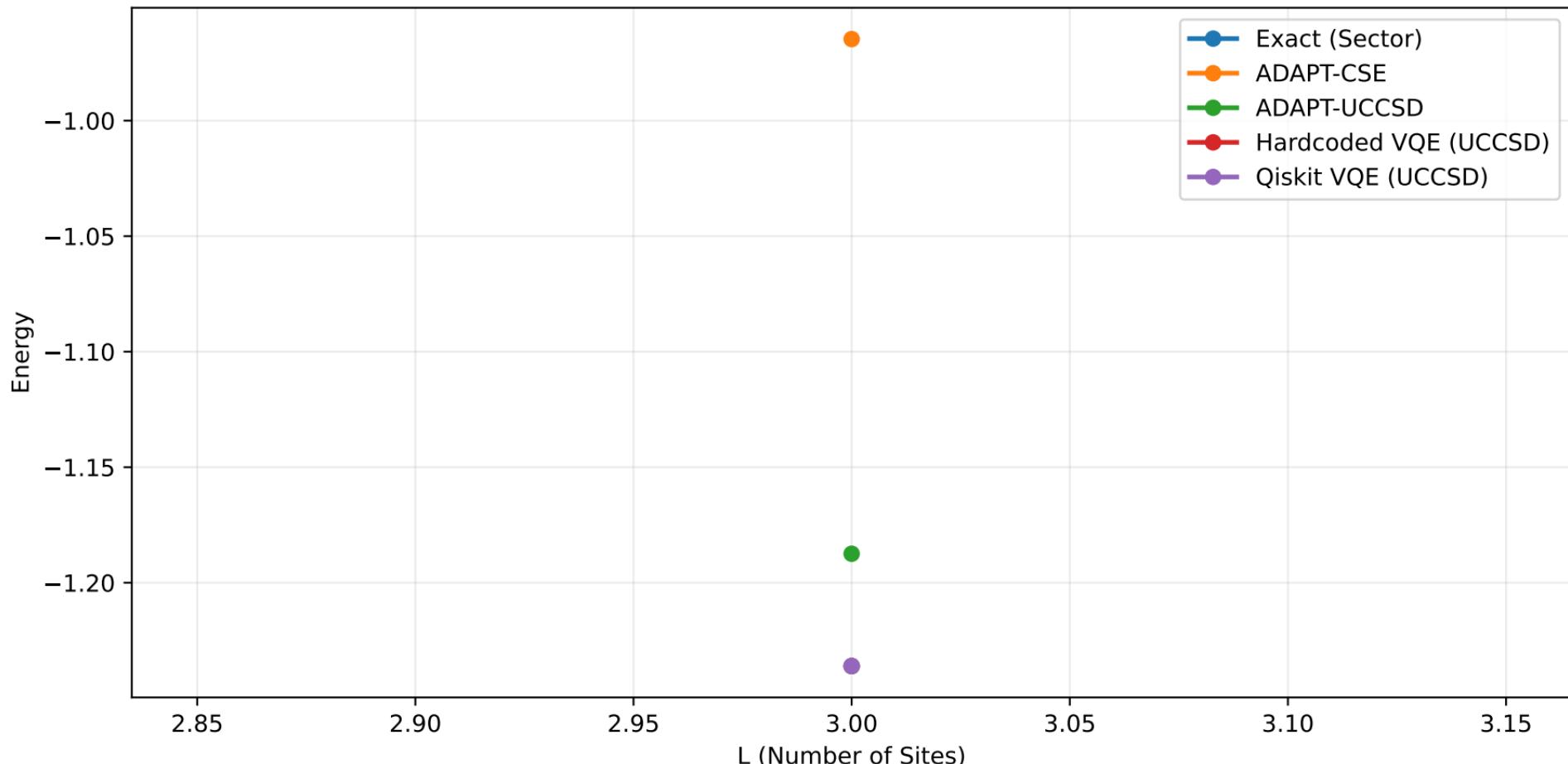
Settings:

```
sites=[3] t=1.0 u=4.0 dv=0.5 boundary=open ordering=blocked odd_policy=min_sz  
ADAPT(inner_optimizer=lbfsgs, inner_steps=20, max_depth=20, max_time_s=300.0, allow_repeats=True)  
VQE(reps=2, restarts=1, maxiter=20, seed=7)
```

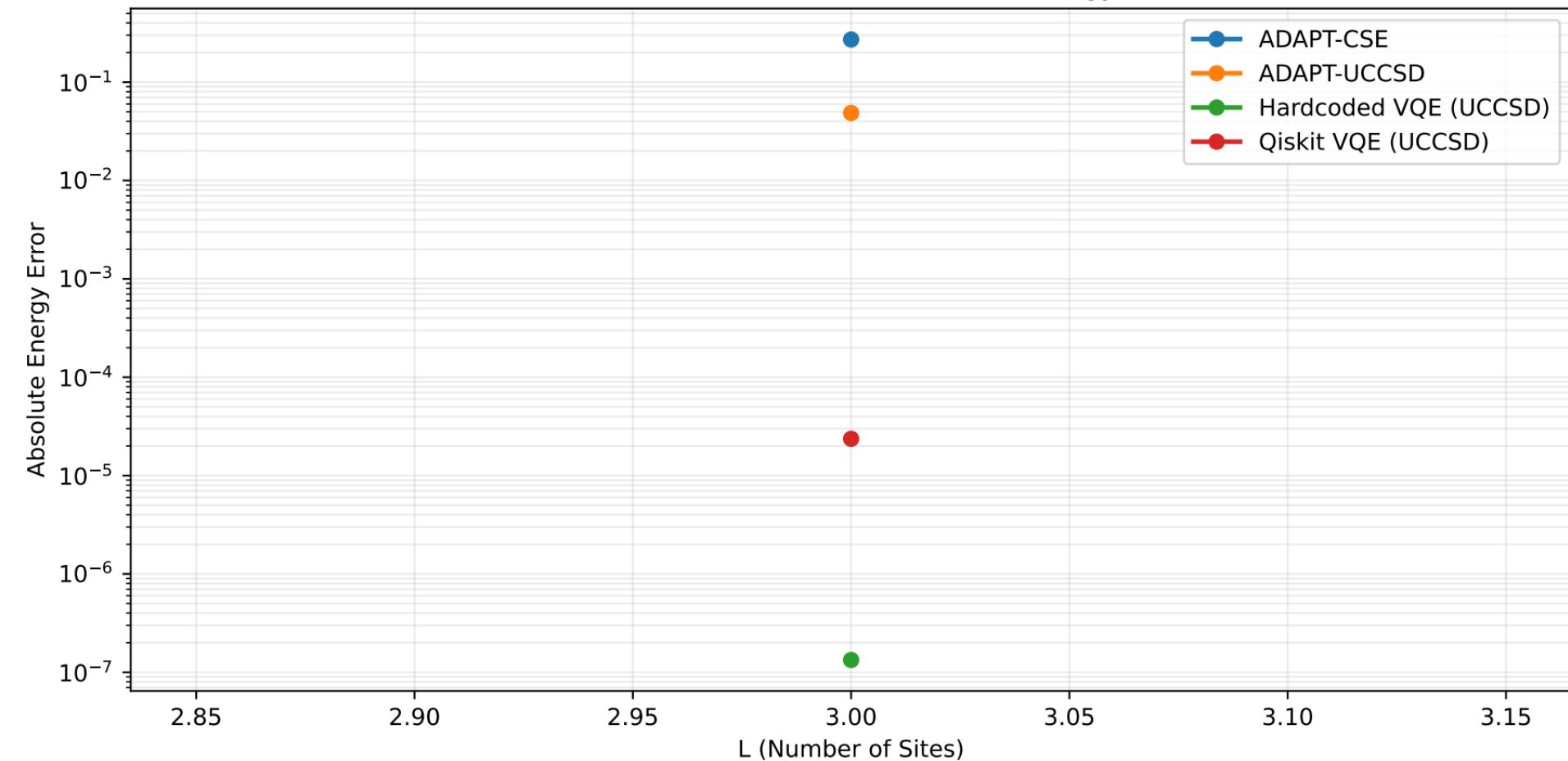
L=3 (n_up=2, n_down=1)

Exact (Sector)	E=-1.236067977500 dE =0.000e+00 t=0.00s
ADAPT-CSE	E=-0.964712231458 dE =2.714e-01 t=19.32s
ADAPT-UCCSD	E=-1.187454862193 dE =4.861e-02 t=400.69s
Hardcoded VQE (UCCSD)	E=-1.236067844029 dE =1.335e-07 t=2.31s
Qiskit VQE (UCCSD)	E=-1.236044321811 dE =2.366e-05 t=38.52s

Energy Comparison by System Size



Absolute Error vs Exact Sector Energy



Runtime by Method

