

ADAPT/VQE Benchmark Summary

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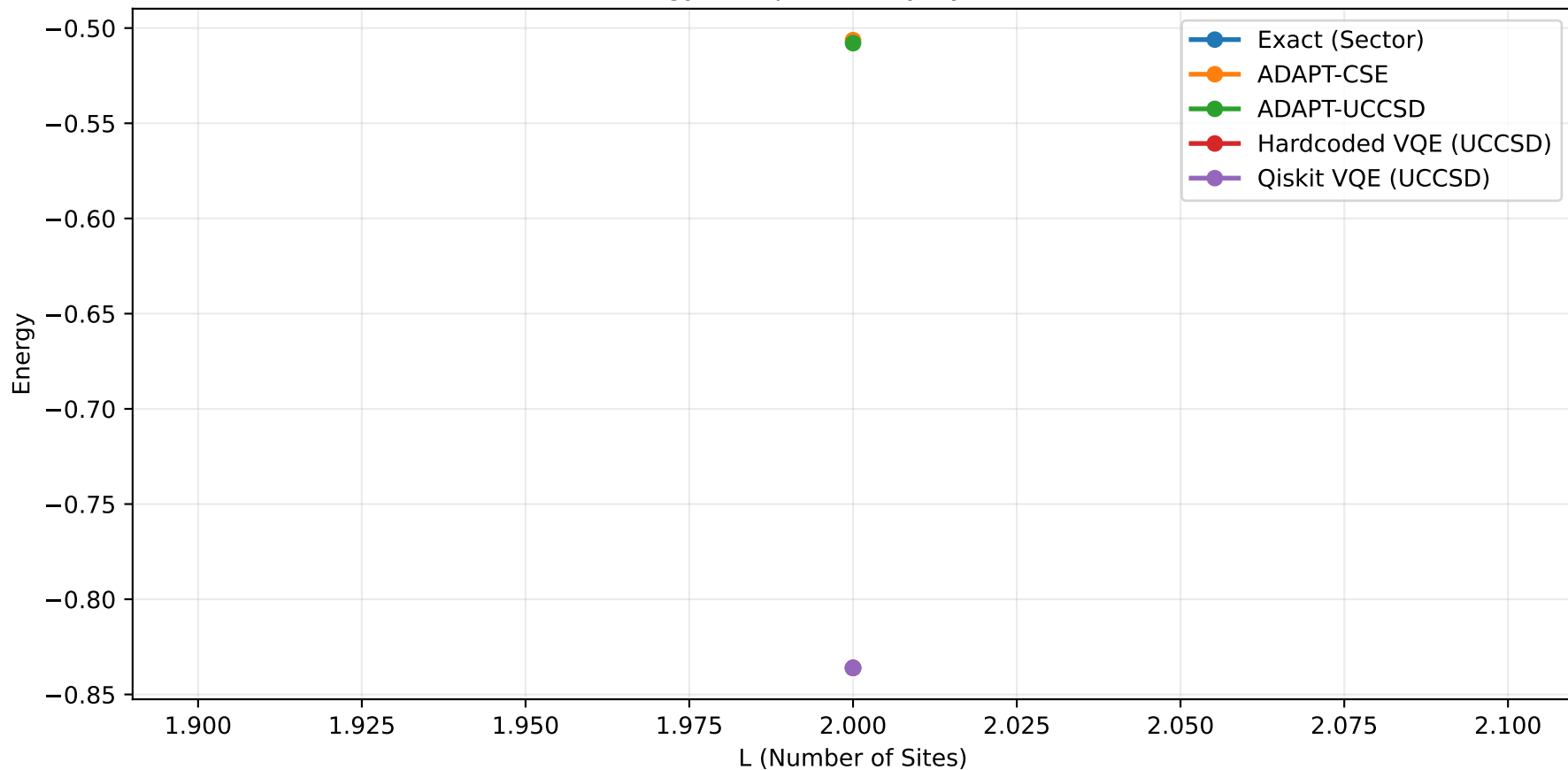
Settings:

```
sites=[2] t=1.0 u=4.0 dv=0.5 boundary=open ordering=blocked odd_policy=min_sz
ADAPT(inner_optimizer=lbfgs, inner_steps=3000, max_depth=30, max_time_s=1200.0)
VQE(reps=2, restarts=3, maxiter=2000, seed=7)
```

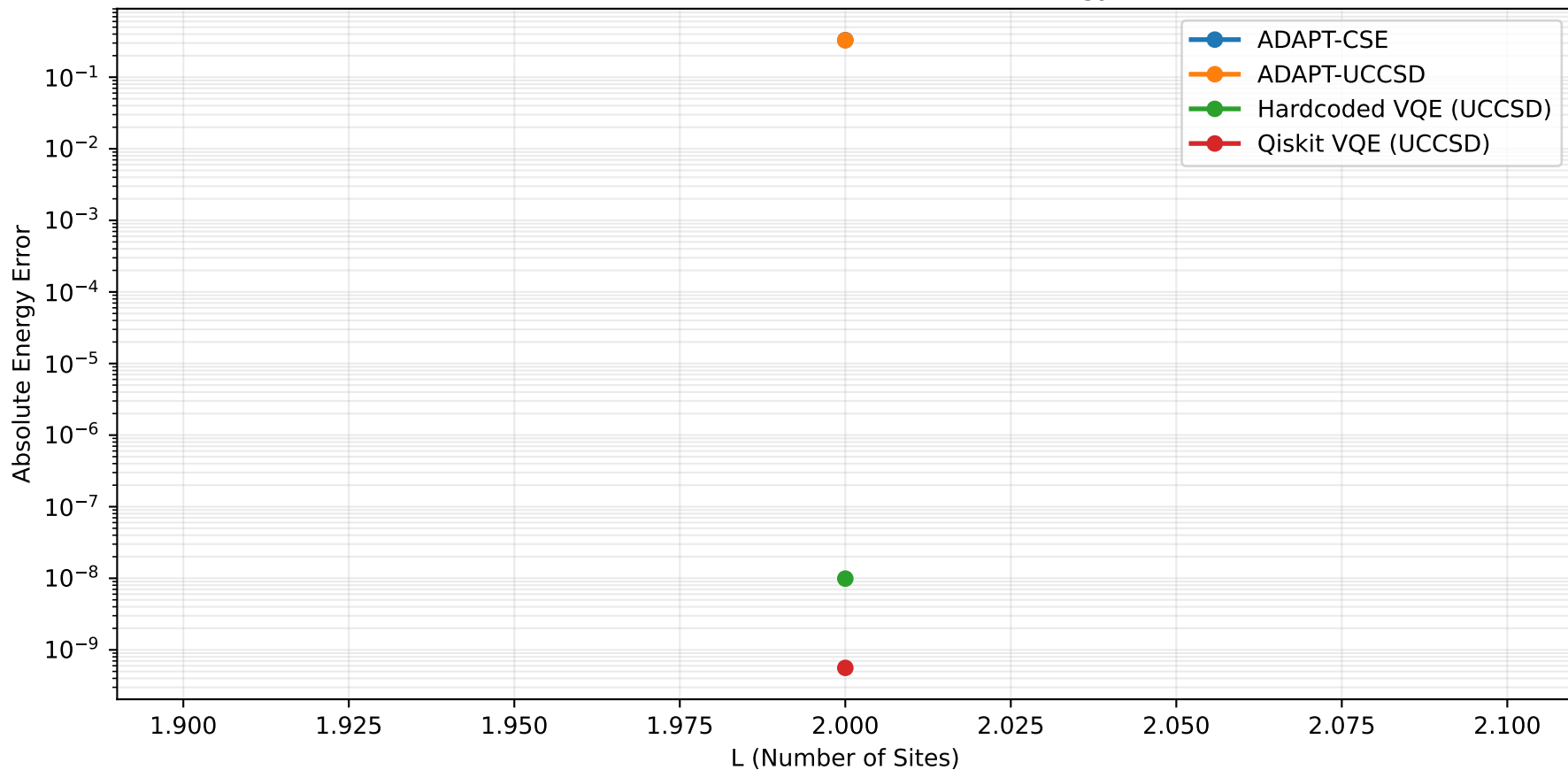
L=2 (n_up=1, n_down=1)

Exact (Sector)	E=-0.836057118155 dE =0.000e+00 t=0.00s
ADAPT-CSE	E=-0.506312970694 dE =3.297e-01 t=12.31s
ADAPT-UCCSD	E=-0.507936507937 dE =3.281e-01 t=102.95s
Hardcoded VQE (UCCSD)	E=-0.836057108255 dE =9.900e-09 t=0.26s
Qiskit VQE (UCCSD)	E=-0.836057117595 dE =5.600e-10 t=12.92s

Energy Comparison by System Size



Absolute Error vs Exact Sector Energy



Runtime by Method

