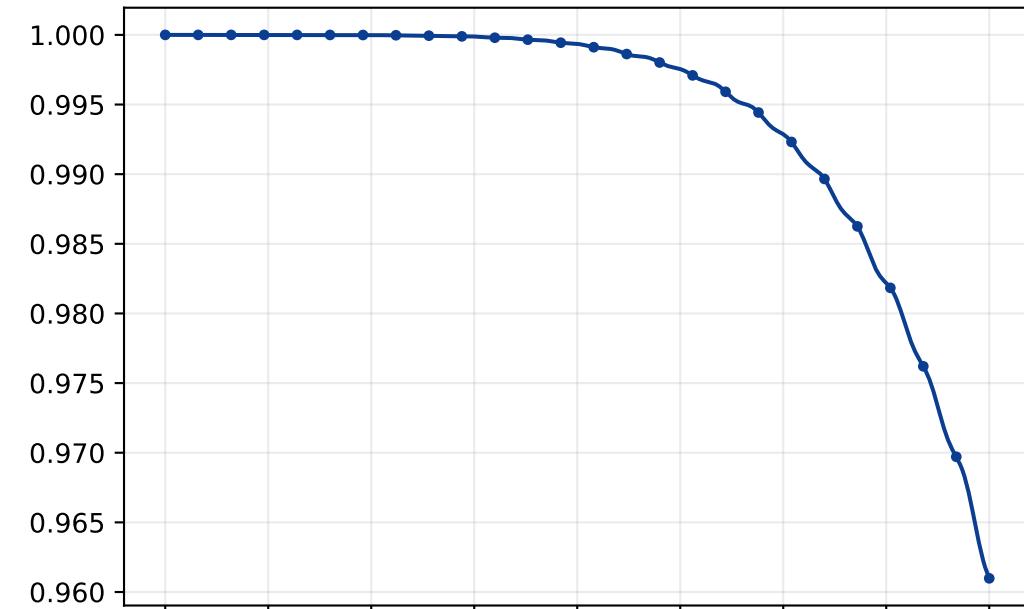
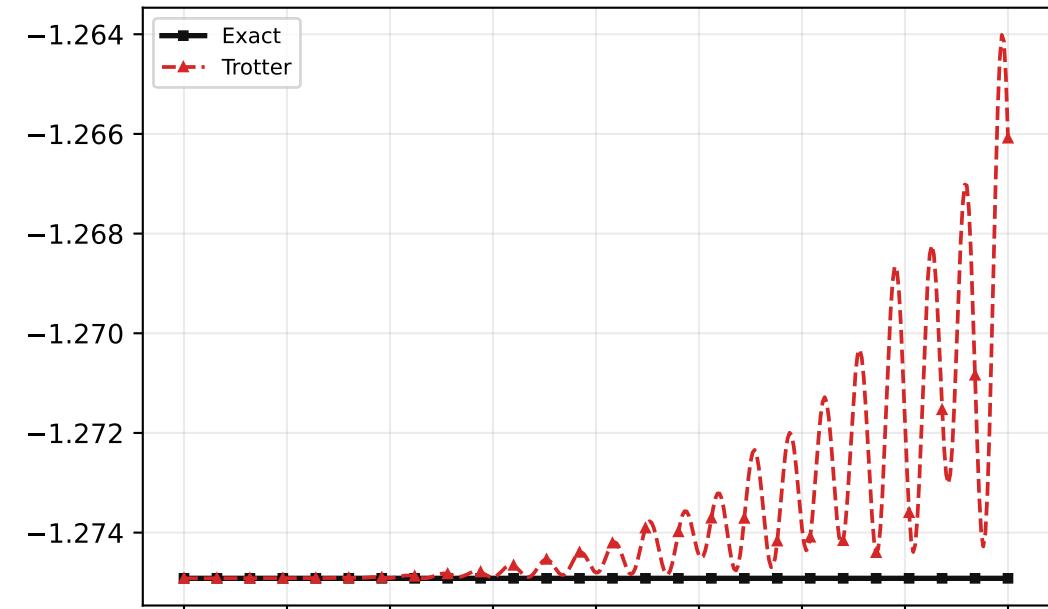


Qiskit Hubbard Baseline Pipeline: L=3

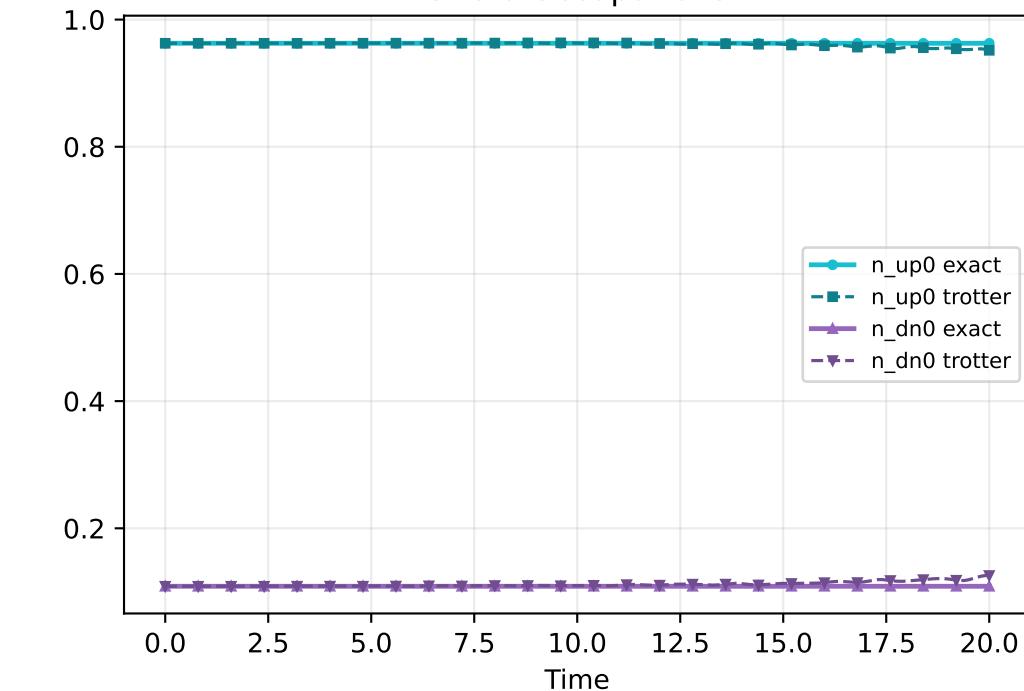
Fidelity(t) = $|<\text{exact}|\text{trotter}>|^2$



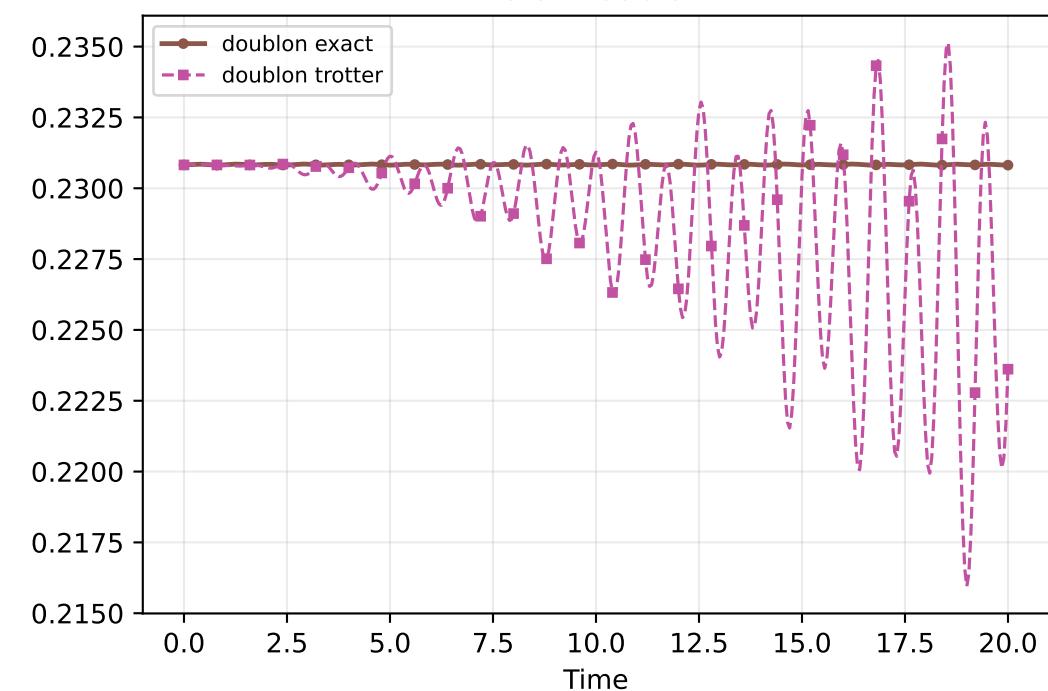
Energy



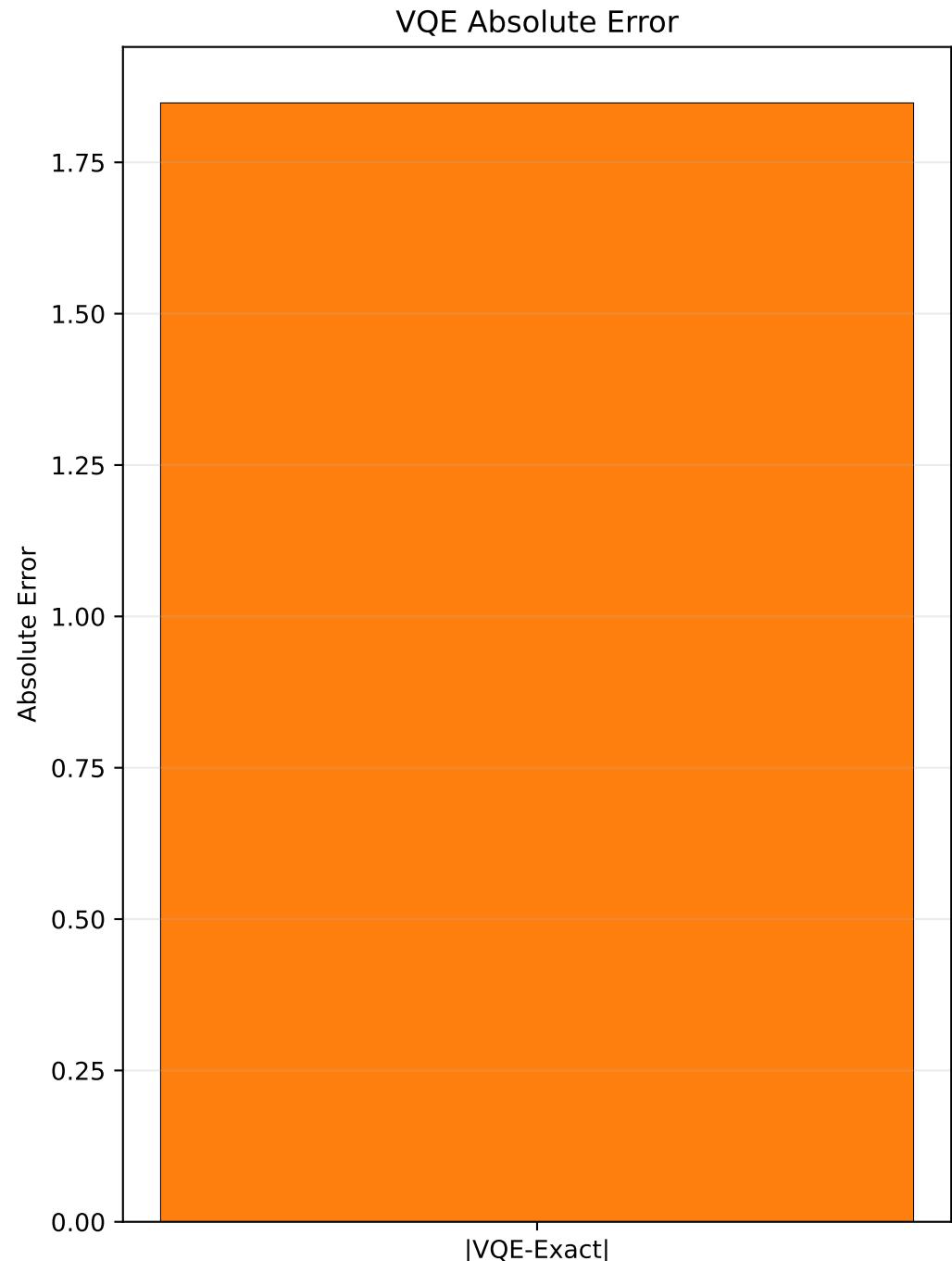
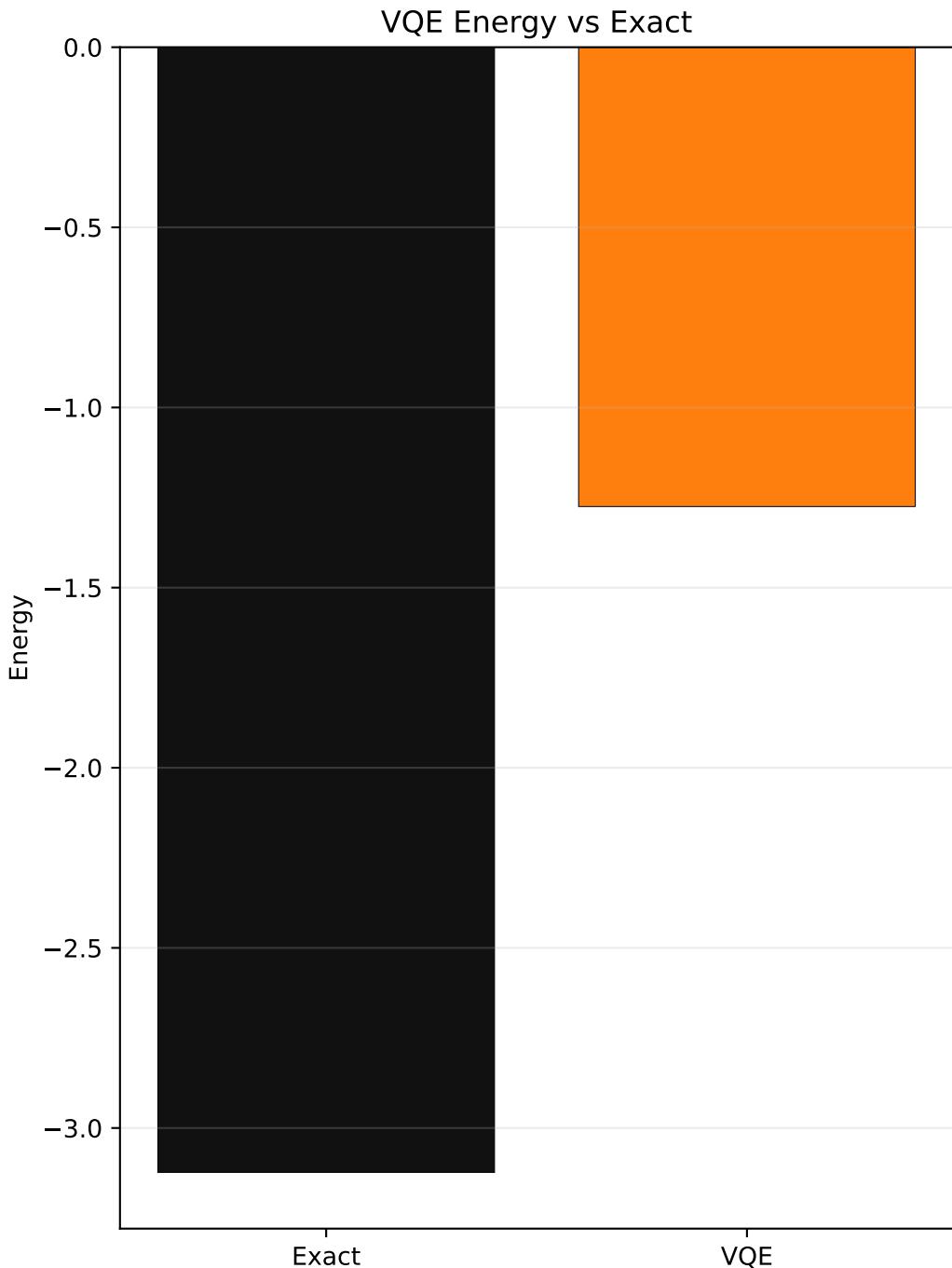
Site-0 Occupations



Total Doublon



VQE energy is reported explicitly and is not inferred from Trotter t=0.



Qiskit Hubbard baseline pipeline summary

```
settings: {"L": 3, "t": 1.0, "u": 4.0, "dv": 0.0, "boundary": "periodic", "ordering": "blocked", "t_final": 20.0, "num_times": 1000, "ground_state_exact_energy": -3.123105625618, "vqe_energy": -1.2749171630977223, "qpe_energy_estimate": -1.265625, "initial_state_source": "vqe", "hamiltonian_terms": 22, "reference_sanity": {"checked": False, "reason": "no matching bundled reference for these settings'}}
```