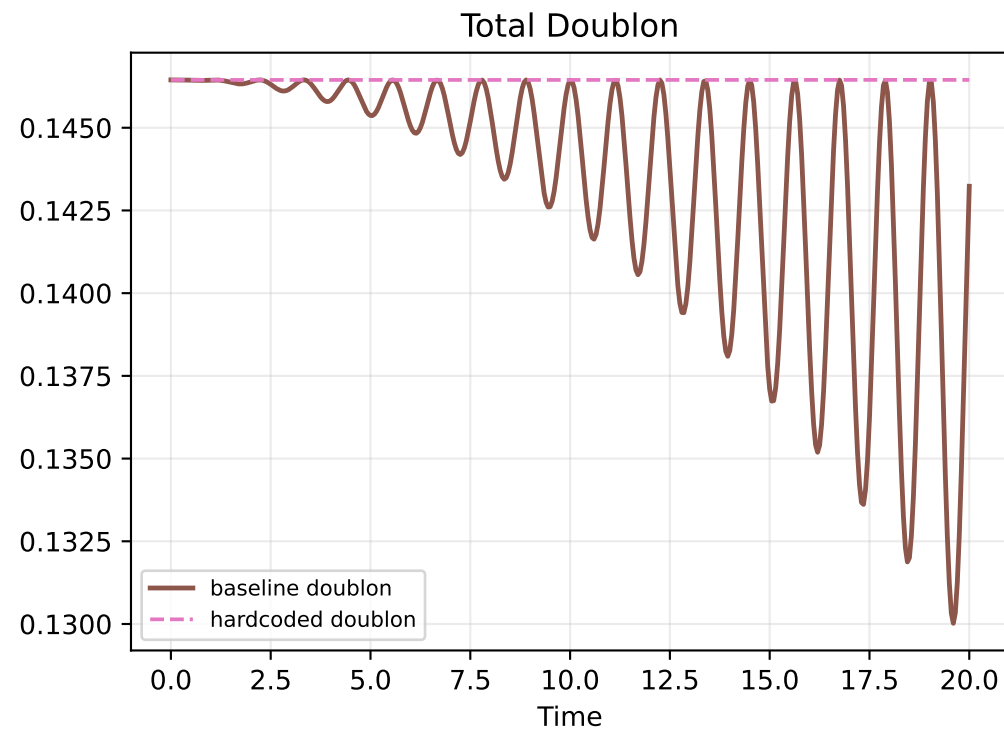
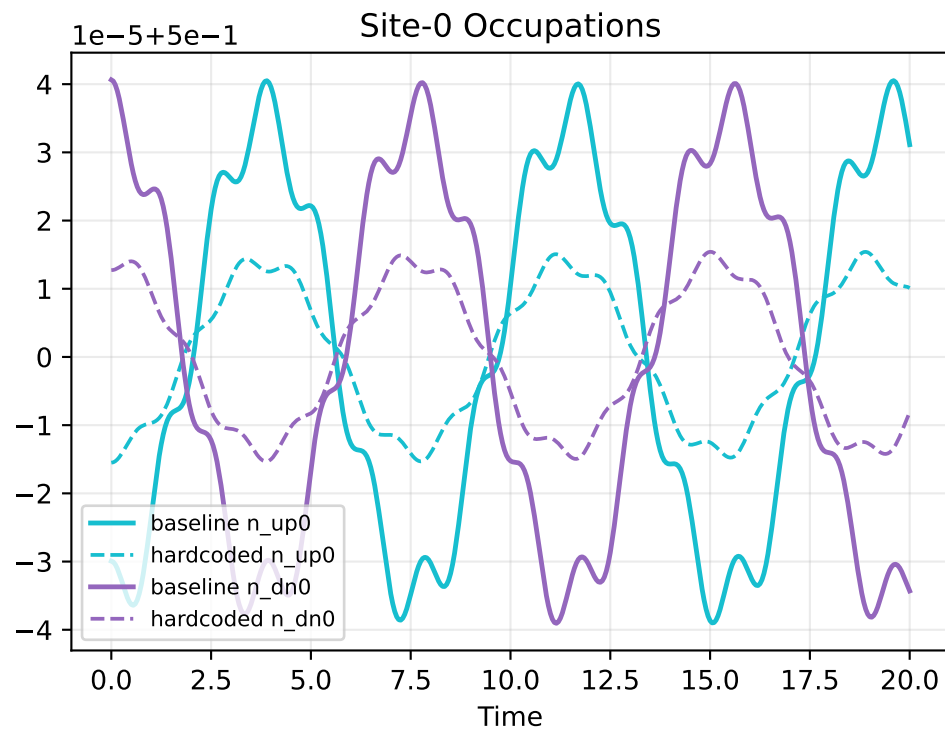
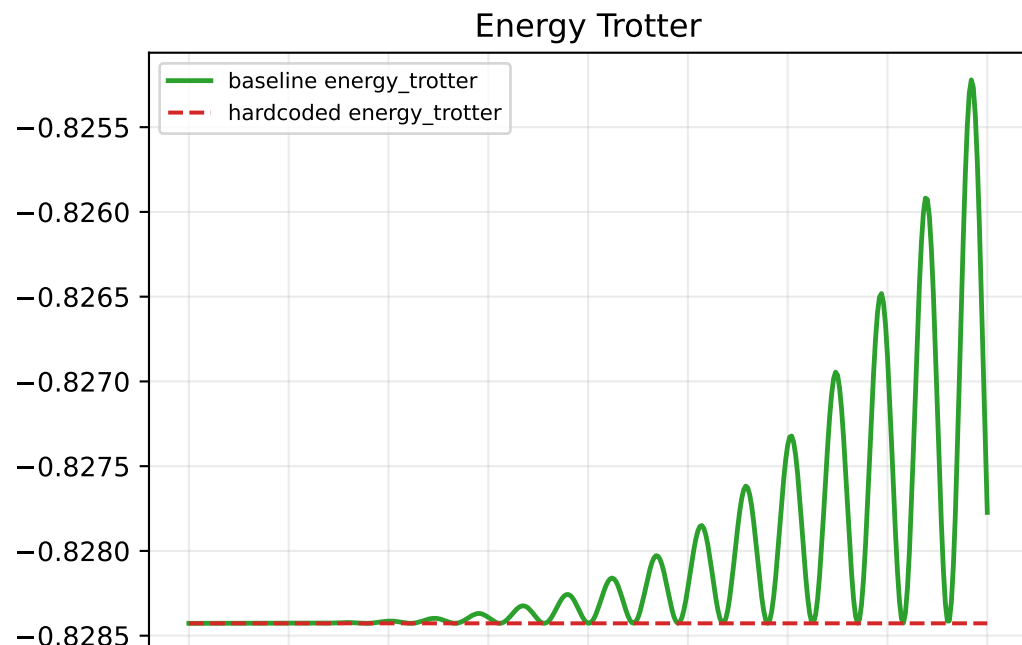
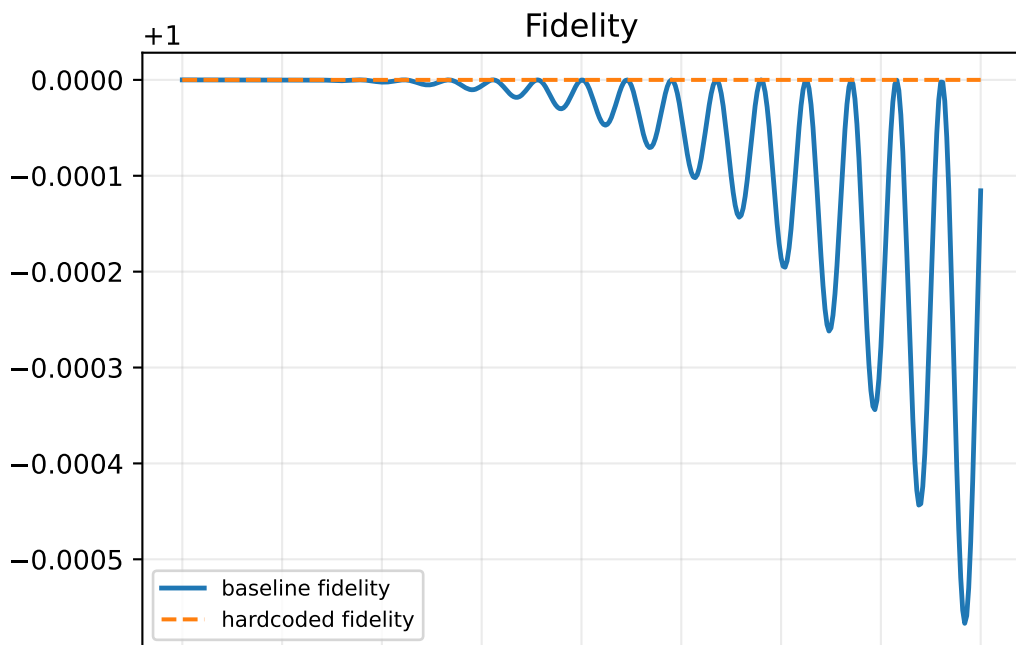
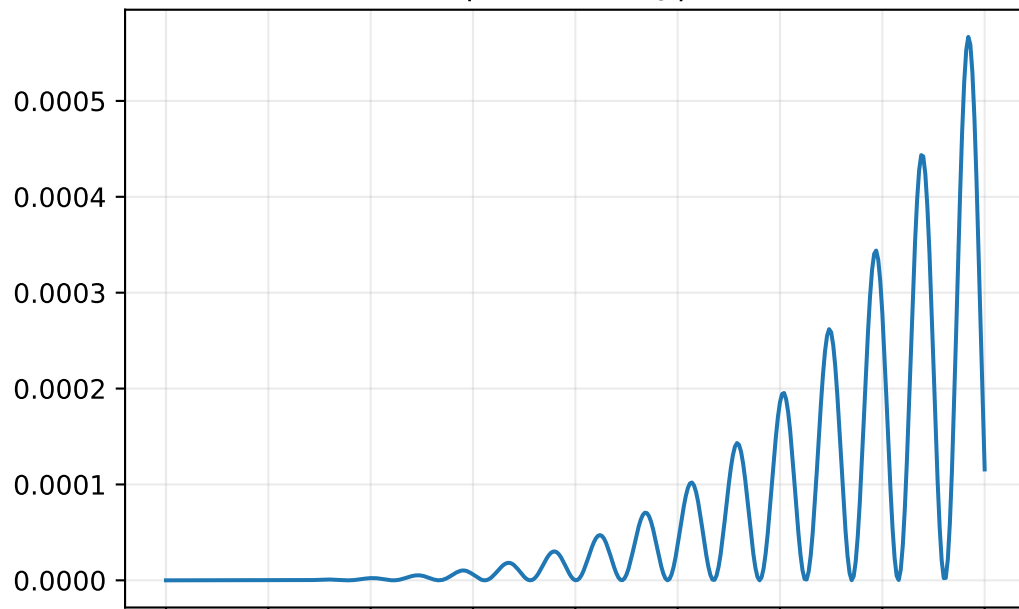


# L=2 Hardcoded vs Frozen Qiskit Time Dynamics (iter0)

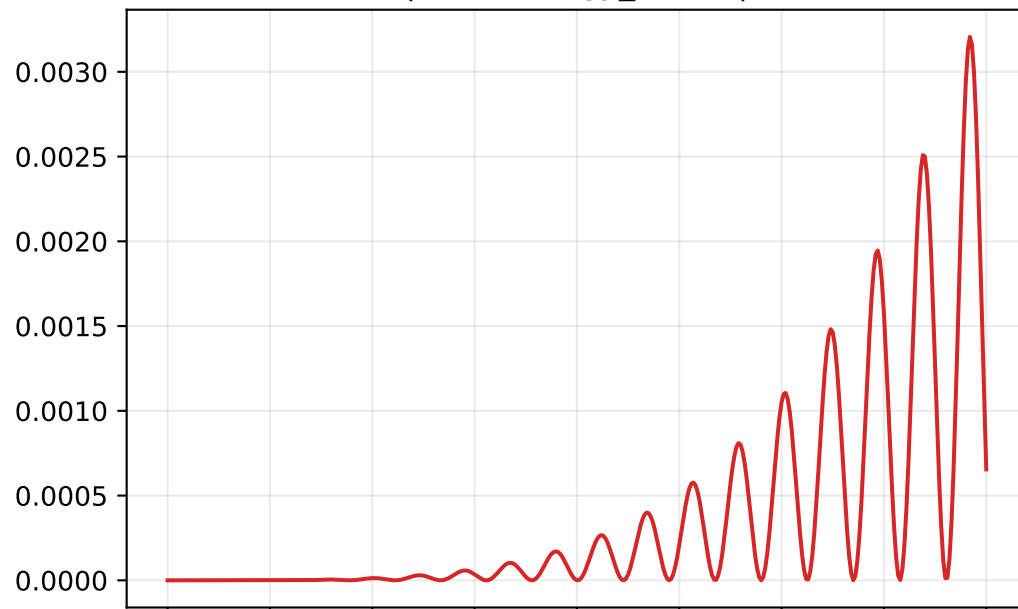


# L=2 Delta Diagnostics (iter0)

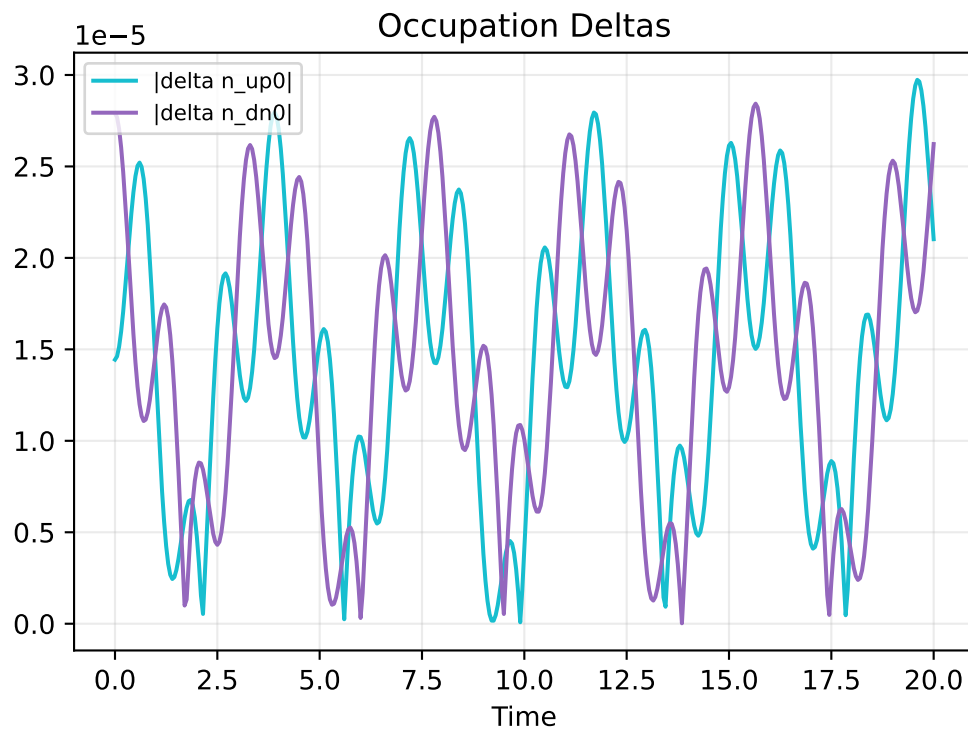
|delta fidelity|



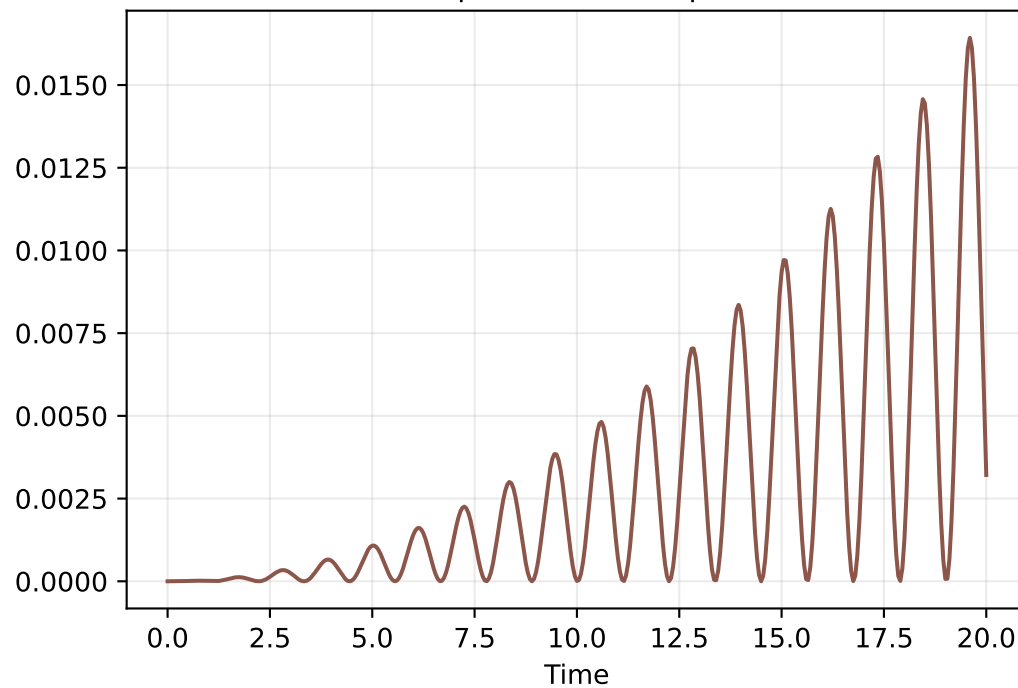
|delta energy\_trotter|



Occupation Deltas



|delta doublon|



L=2 metrics summary (iter0)

ground-state energy abs delta: 1.886020006836e-09

fidelity max/mean/final: 5.667876930743e-04 / 6.307843108765e-05 / 1.156635622073e-04

energy\_trotter max/mean/final: 3.206044640913e-03 / 3.567817787125e-04 / 6.543567997266e-04

n\_up\_site0\_trotter max/mean/final: 2.973383951488e-05 / 1.429852698708e-05 / 2.102403128290e-05

n\_dn\_site0\_trotter max/mean/final: 2.843237237815e-05 / 1.419438808654e-05 / 2.622357900500e-05

doublon\_trotter max/mean/final: 1.642592978437e-02 / 2.917697285172e-03 / 3.213739579713e-03

Acceptance checks: {'ground\_state\_energy\_abs\_delta': True, 'fidelity\_max\_abs\_delta': False, 'energy\_trotter\_max\_abs\_delta': False}

PASS: False