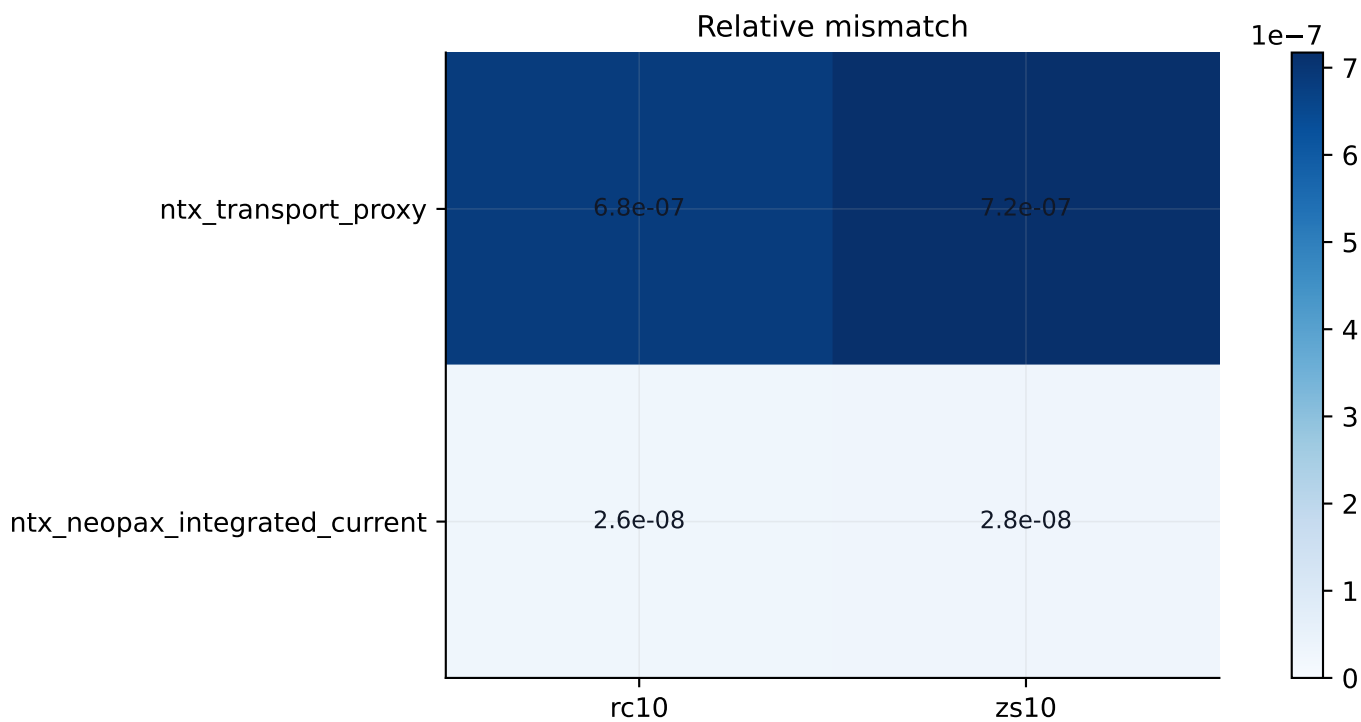
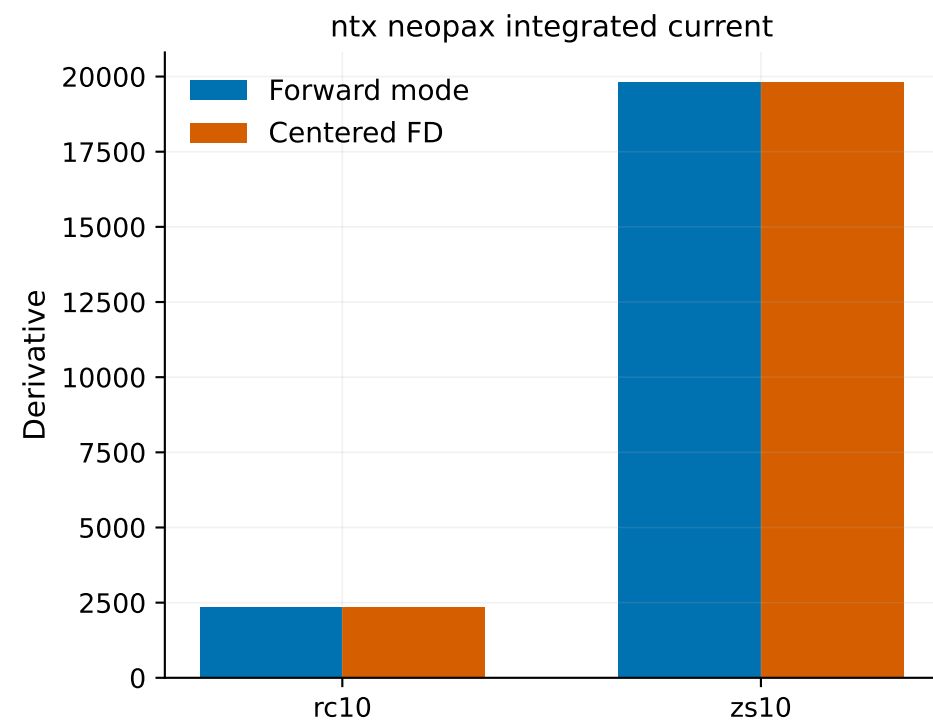
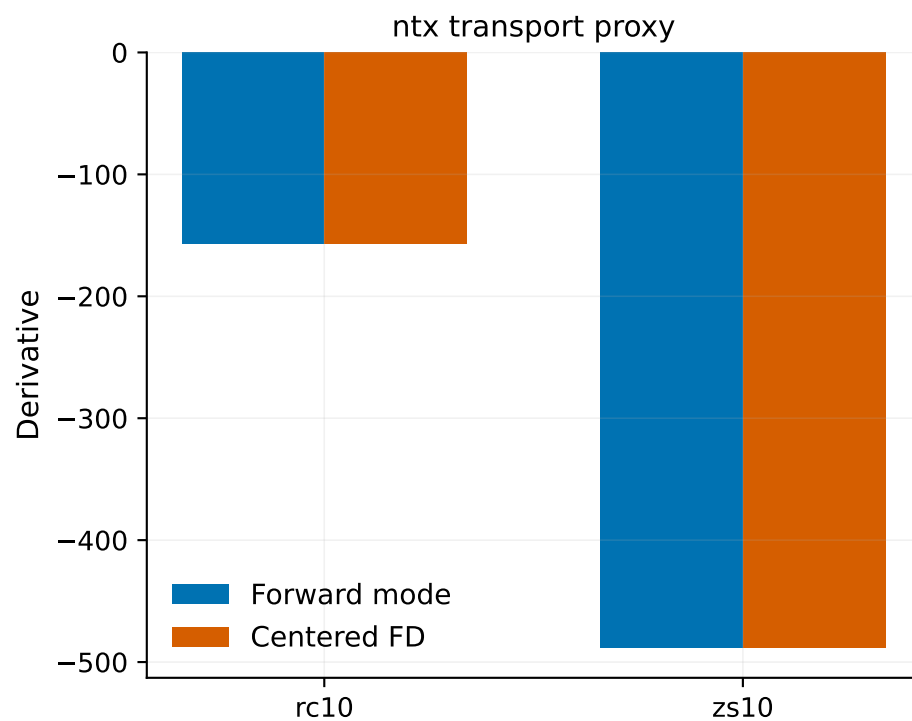


Boundary-to-output forward-mode derivative benchmark



Boundary-projected geometry benchmark
Input: input.circular_tokamak
Grid: (5, 5, 4)
Max relative mismatch: 7.17×10^{-7}
Median relative mismatch: 3.56×10^{-7}

This validates the fast forward-mode boundary-control lane.
It does not yet claim self-consistent equilibrium sensitivity.