

ADAPT Root-Cause Diagnostic Report

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Classification: mixed

Reason: Signals indicate both selection quality and optimization budget likely contribute.

Key metrics:

- baseline_gap: 5.717077380936564
- best_frozen_gap: 5.717077331184768
- frozen_gap_closure: 8.702312782769387e-09
- selection_margin_current_minus_reference: 0.0
- budget_gain: 0.4256009328078266

L4 baseline:

- energy=3.7639320723
- abs_delta_e=5.717077e+00
- depth=1
- stop_reason=budget:max_time_s

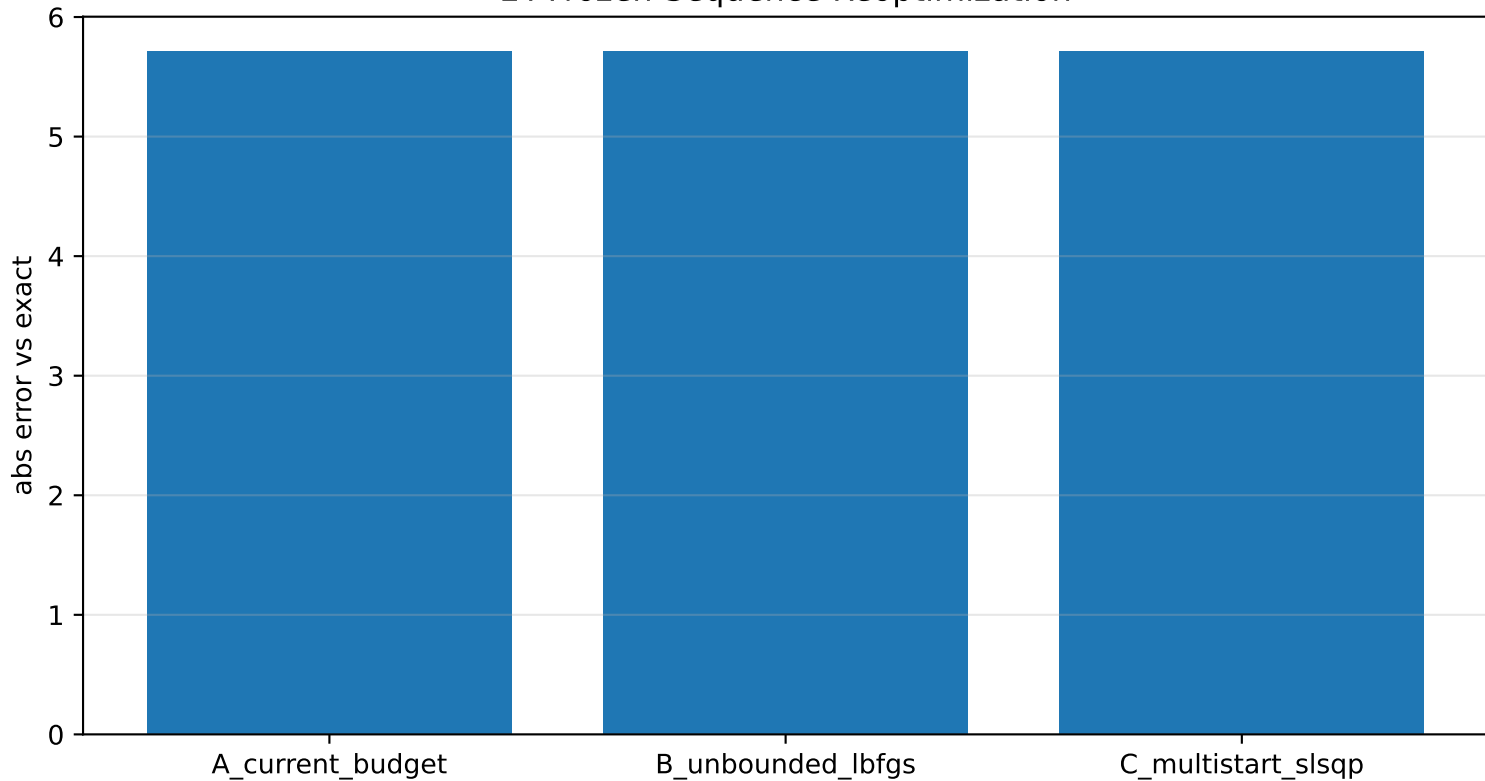
L4 frozen-sequence best:

- B_unbounded_lbfgs: abs_delta_e=5.717077e+00, energy=3.7639320225

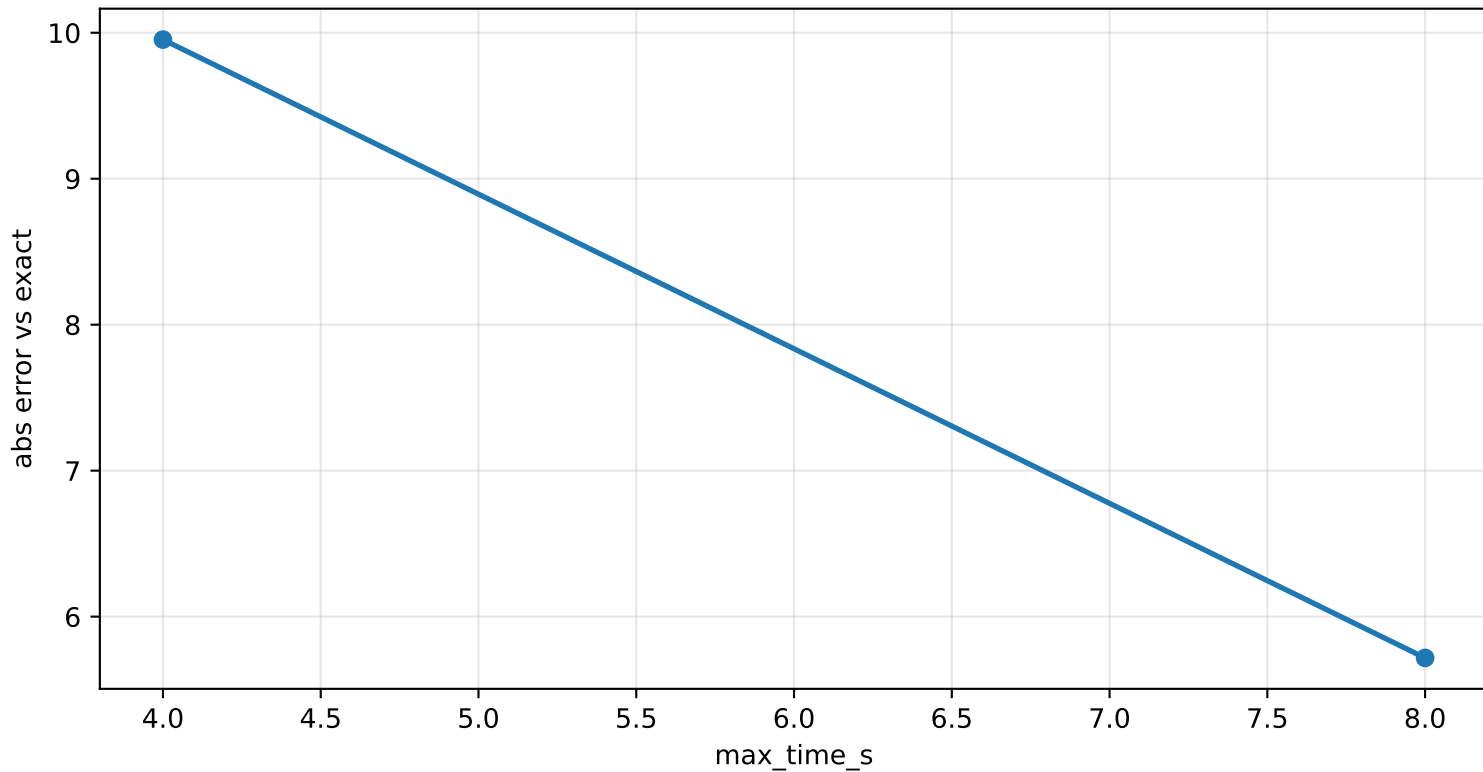
Assumptions:

- Sector exact energy is the reference ground truth.
- Current selection policy is the configured 'current' policy.
- Reference selection policy is directional FD.

L4 Frozen-Sequence Reoptimization



L4 Budget Ladder (ADAPT-UCCSD)



L4 Prefix Quality (Reoptimized)

