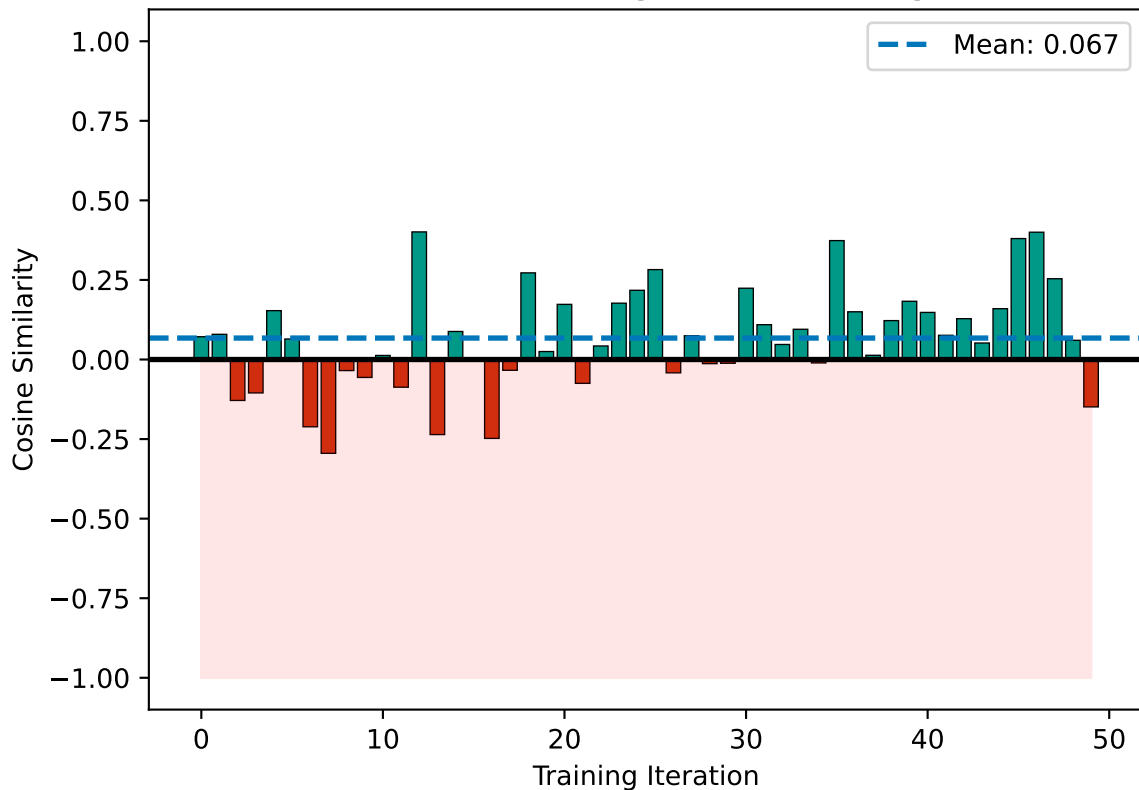
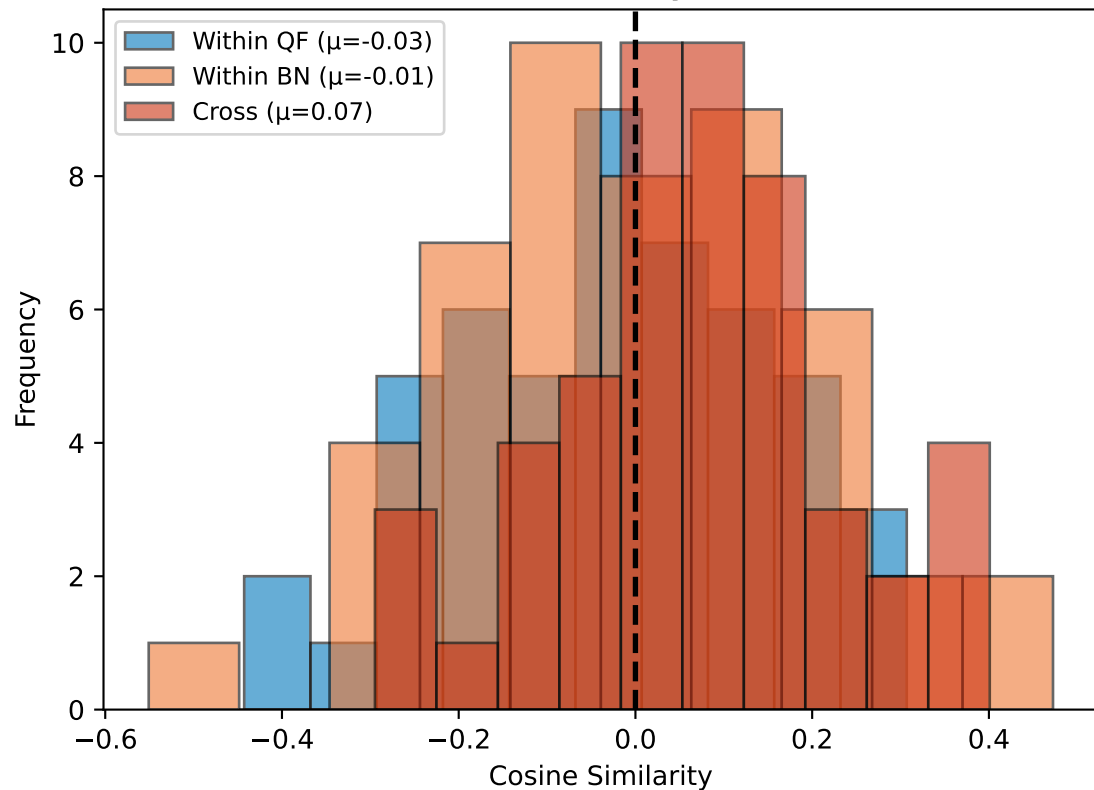


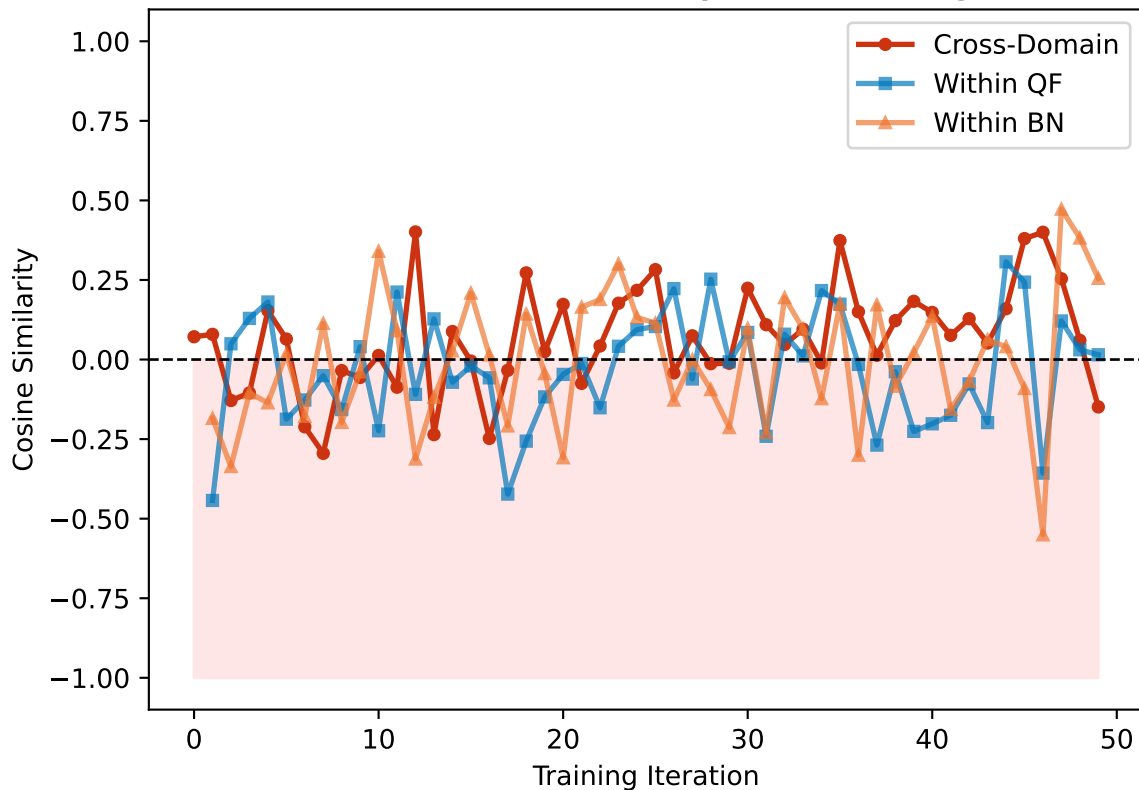
**(a) Cross-Domain Gradient Similarity
(QF vs BN during Mixed Training)**



(b) Gradient Similarity Distribution



(c) Gradient Similarity Over Training



PPO MIXED TRAINING RESULTS

Setup:

- Single agent trained on BOTH regimes
- QF: Wide DAGs (gnp_p=0.2)
- BN: Long CP DAGs (gnp_p=0.8)
- Reward: YOUR reward function
(energy_weight * ΔE + makespan_weight * ΔM)

Architecture:

- HETERO (HeteroConv + SAGE)
- Parameters: 55,618

Cross-Domain (QF vs BN):

- Avg Similarity: +0.067
- Conflict Rate: 34%

Within-Domain:

- QF: -0.032
- BN: -0.005

Gradient Efficiency: 53%

CONCLUSION:

Partial conflict detected