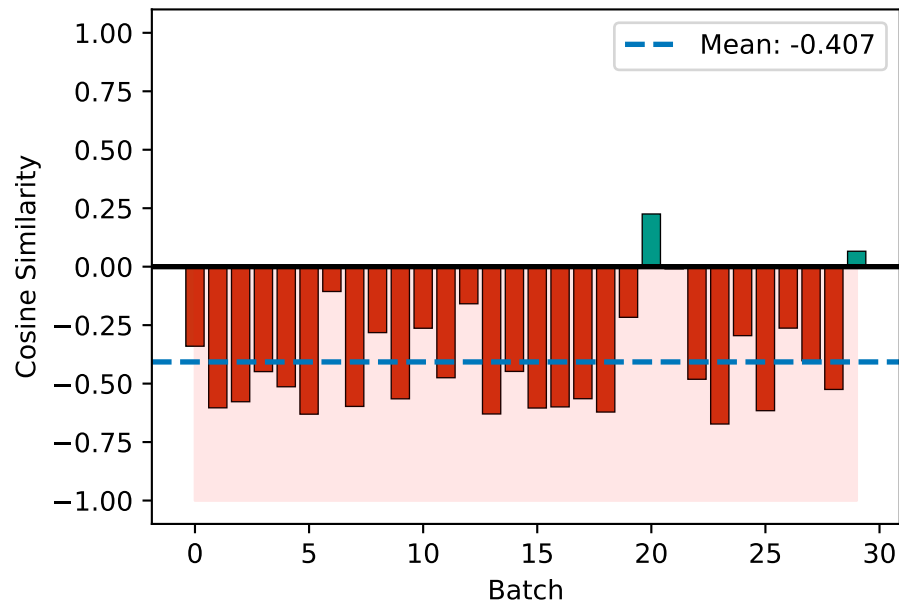
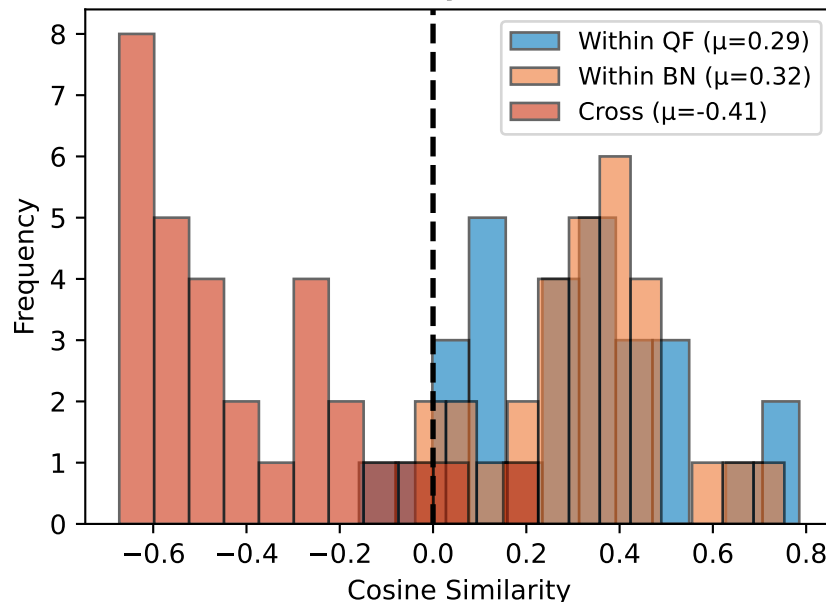


**(a) Cross-Domain Gradient Similarity  
(Your HETERO Architecture)**



**(b) Similarity Distribution**



#### YOUR EXACT HETERO ARCHITECTURE

##### Architecture:

- Graph Type: HETERO (HeteroConv)
- Hetero Base: SAGE
- GNN Layers: 2
- Parameters: 28,897

##### Cross-Domain (QF vs BN):

- Avg Similarity: -0.407
- Conflict Rate: 93%

##### Within-Domain:

- QF: +0.290
- BN: +0.321

##### CONCLUSION:

Gradient conflict exists in  
your EXACT production architecture!