

ACE BRAIN

Spatial Cognition

Autonomous Driving

Low-Altitude Sensing

Embodied Interaction



How to instill and unify these capabilities within a single embodied foundation brain?



Why is this challenging?



Long-tail Data

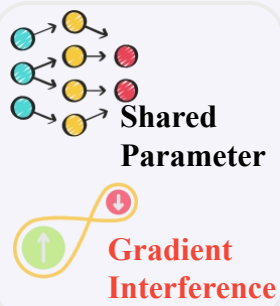
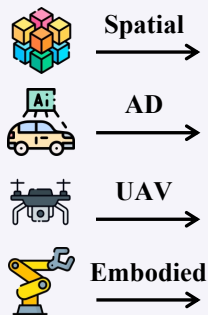


Gradient Interference

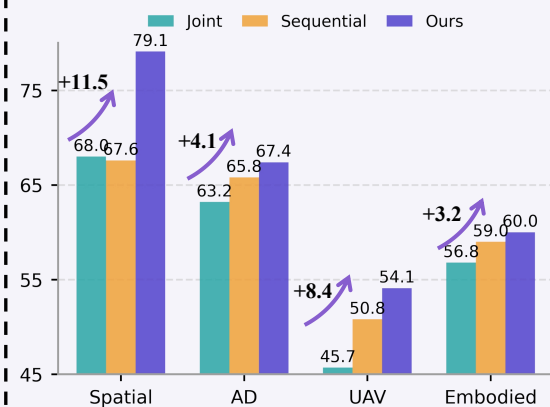
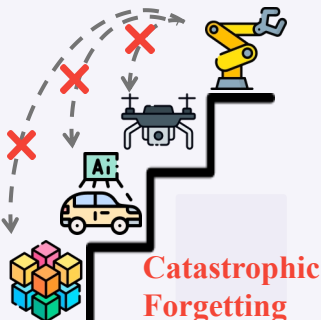


Catastrophic Forgetting

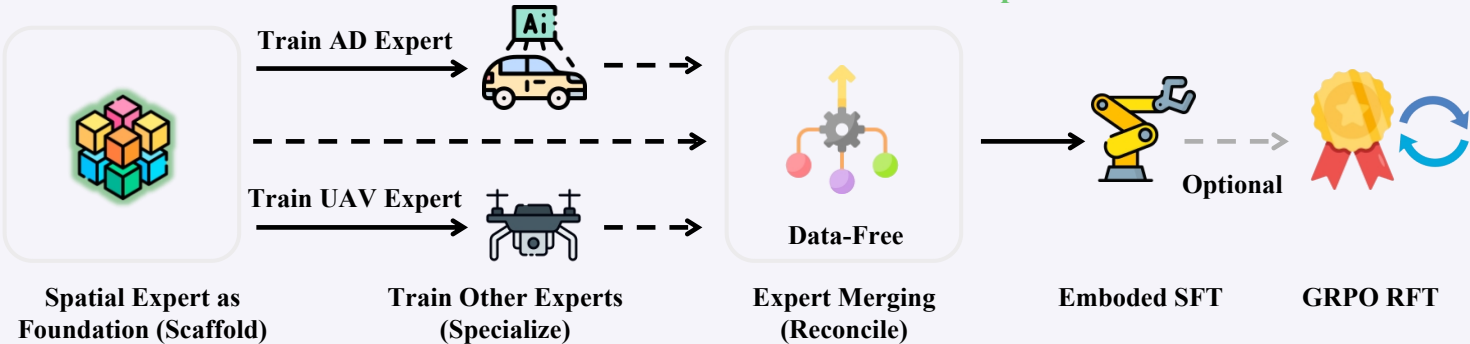
(1) Joint Training



(2) Sequential Training



(3) Ours



Consistent Improvements Across All Domains

