

# AI-Based Control of an e-Bike Rear MR Damper



## ONLINE / INFERENCE & CONTROL

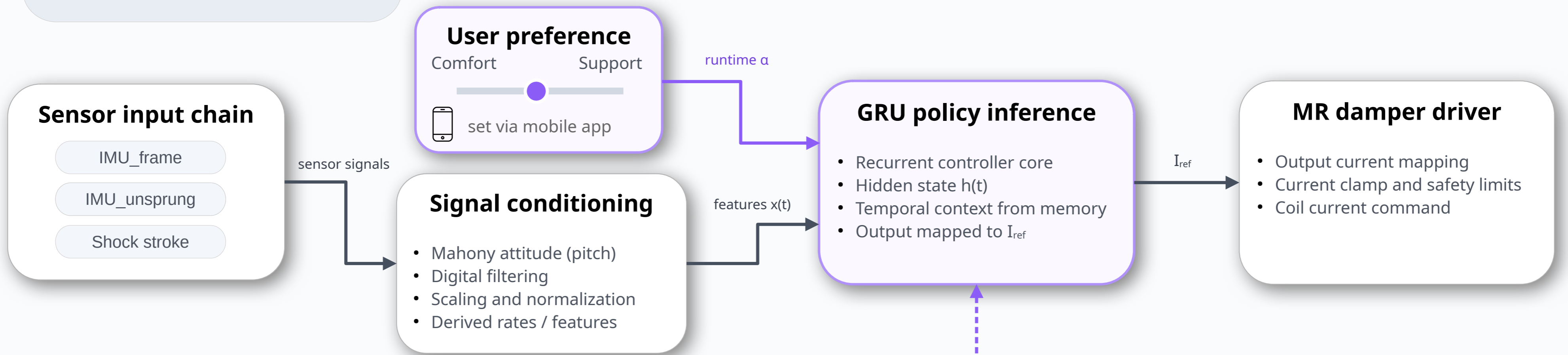


Fig. 2: Online inference and control

## OFFLINE / SIMULATION & TRAINING

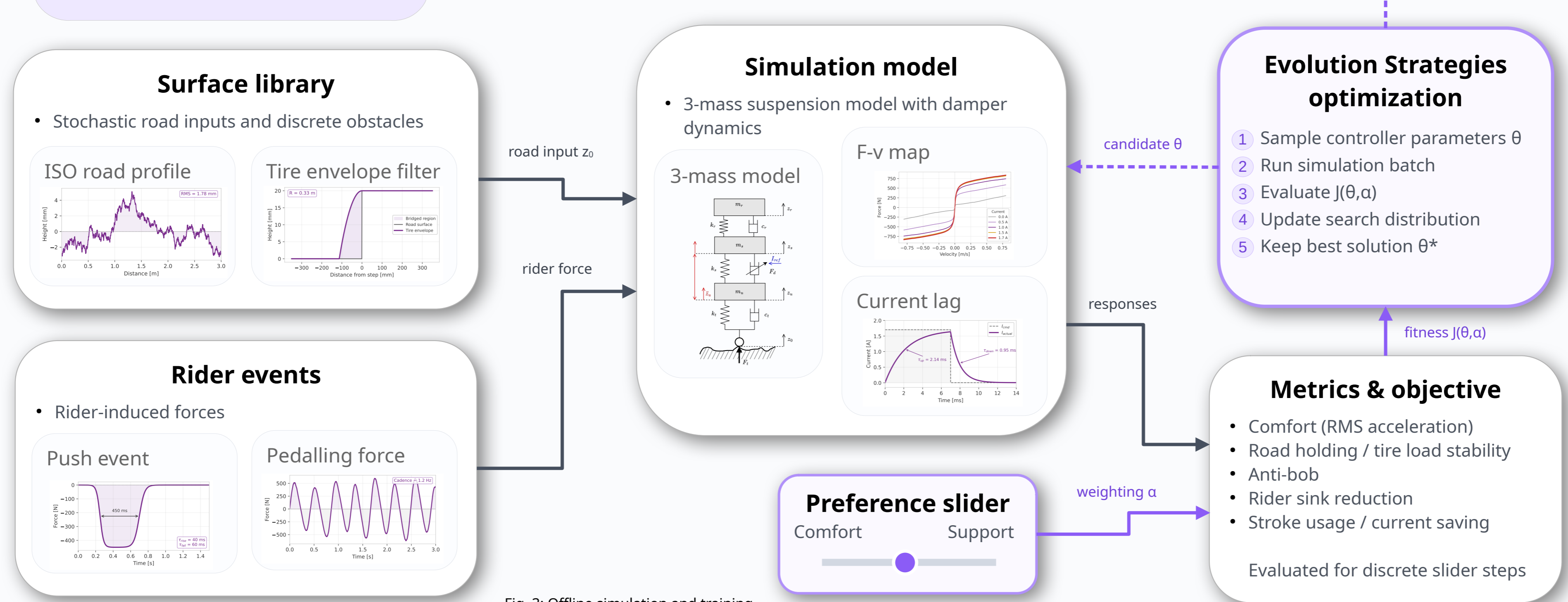


Fig. 3: Offline simulation and training

## RESULTS / PERFORMANCE EVALUATION

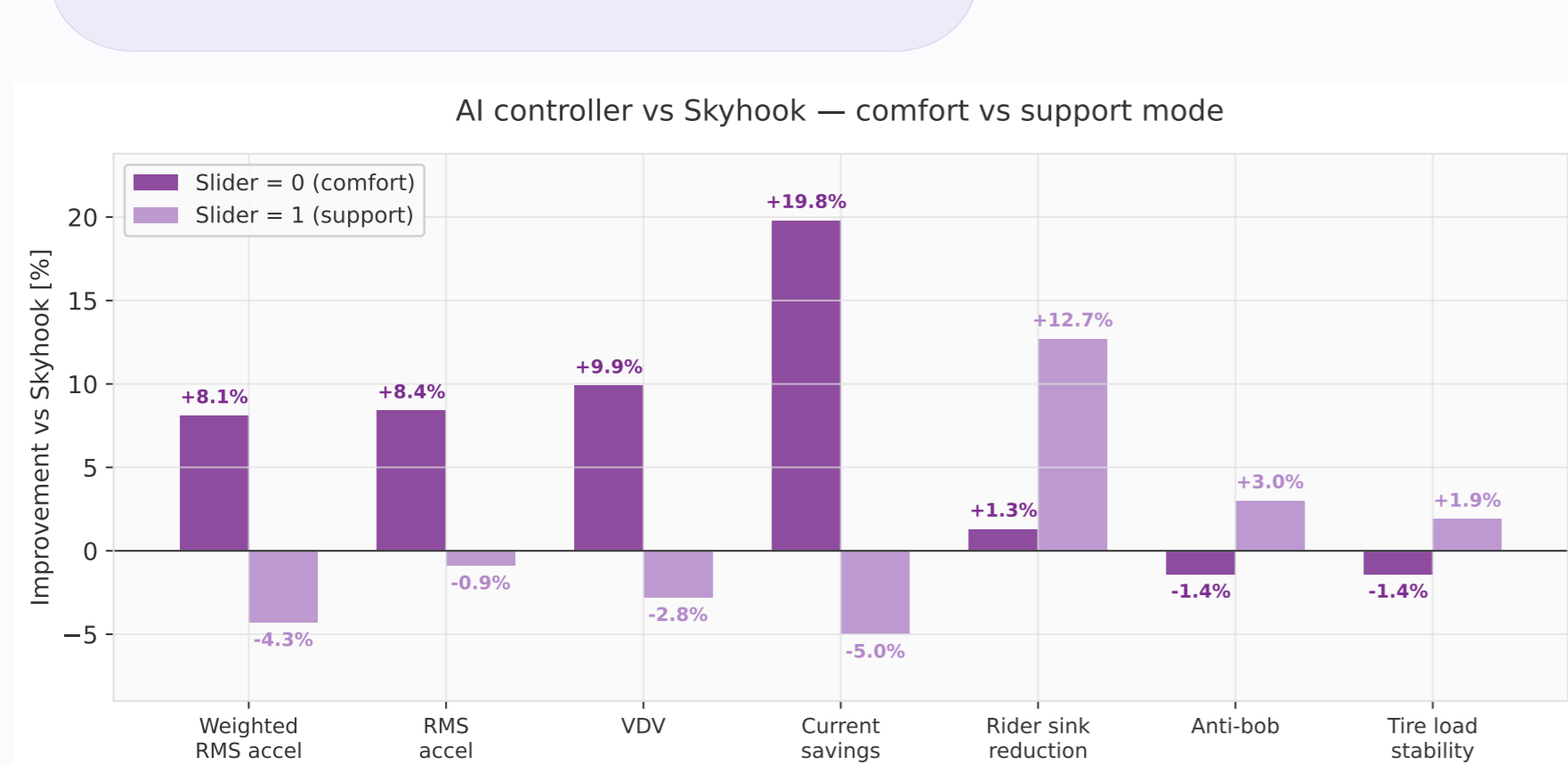


Fig. 4: Controller comparison

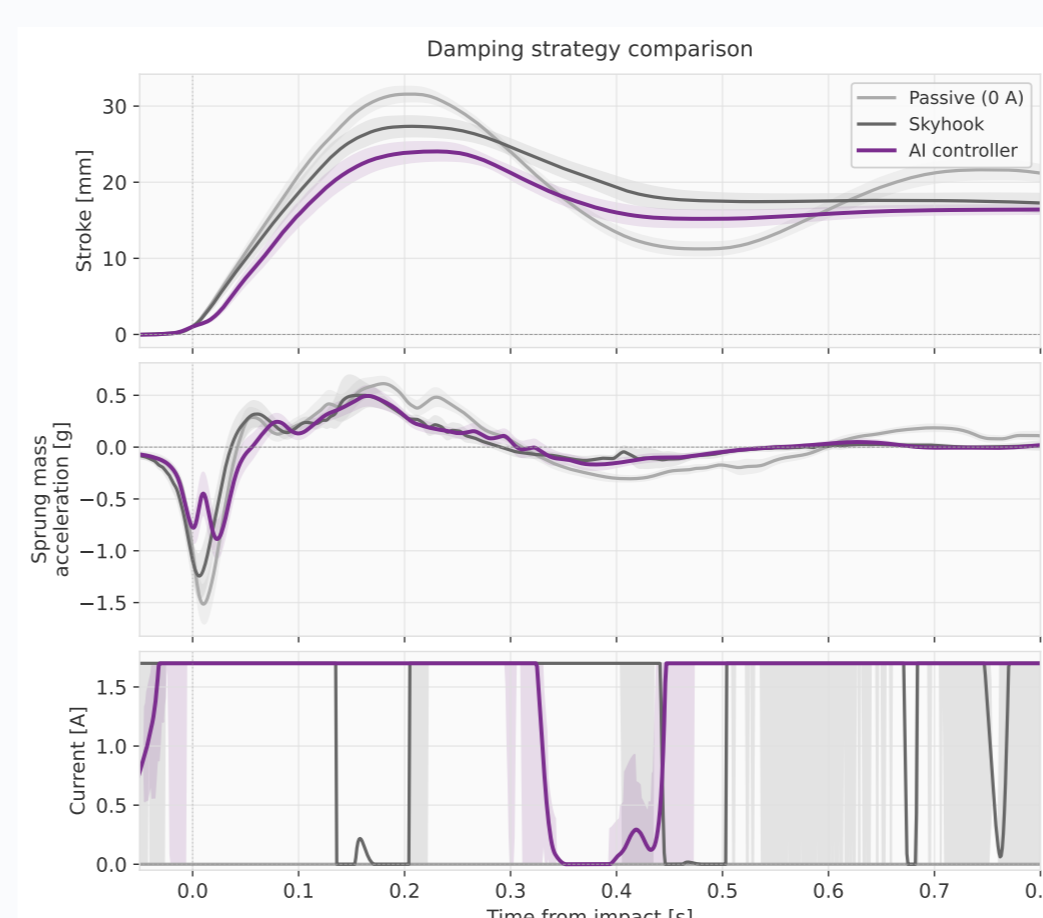


Fig. 5: Example response log

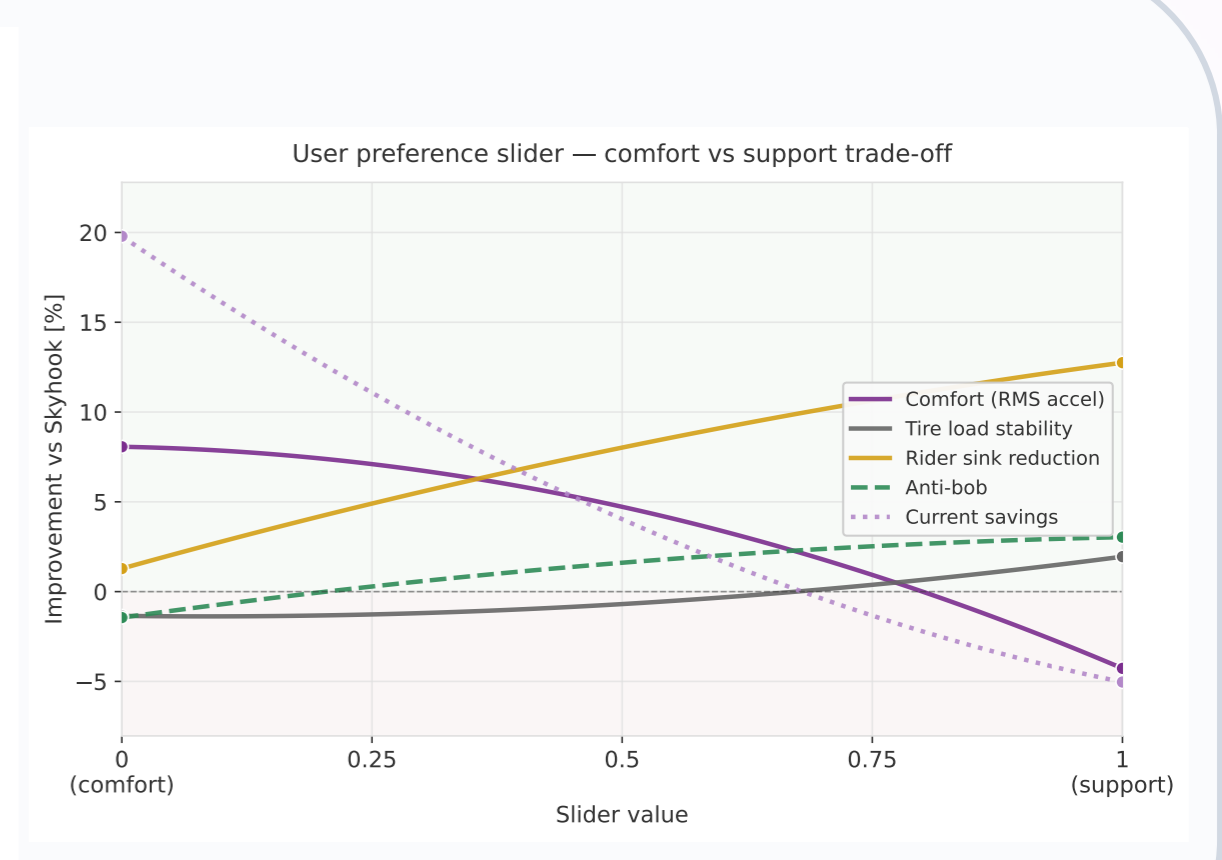


Fig. 6: Improvement vs. slider value