# Test Report

Report generated on: 2025-03-17 13:04:31
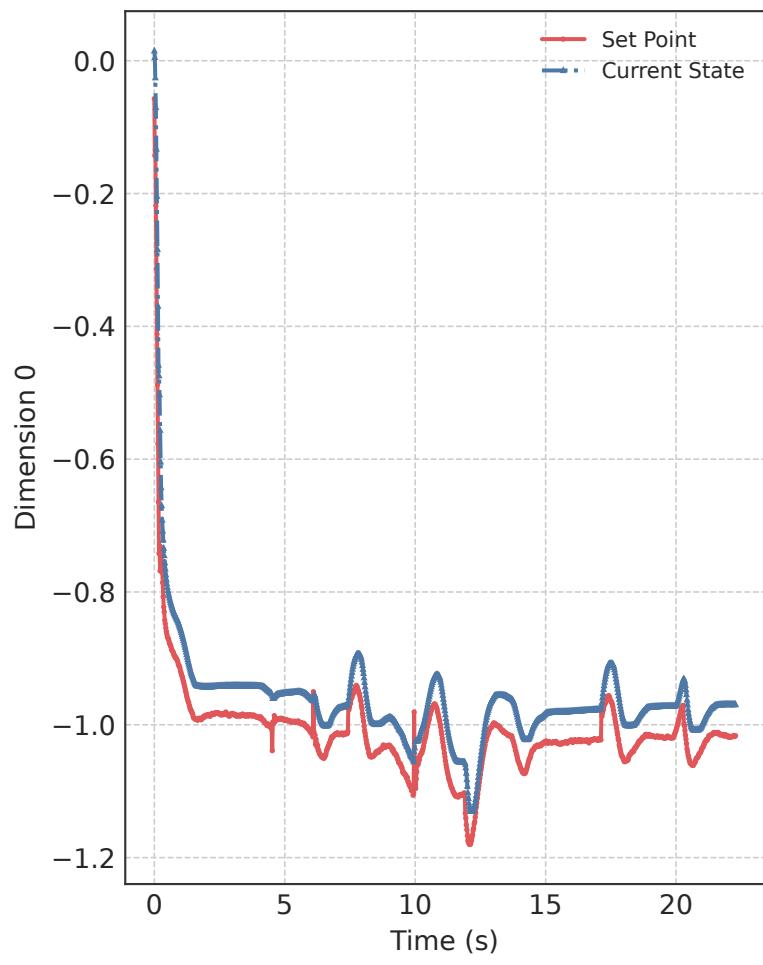
This report provides an in-depth overview of key performance metrics, encompassing the following analyses:

- Set Points vs. Actual State

- Command vs. Actual Values

- Action oscillation

- Actual Torques
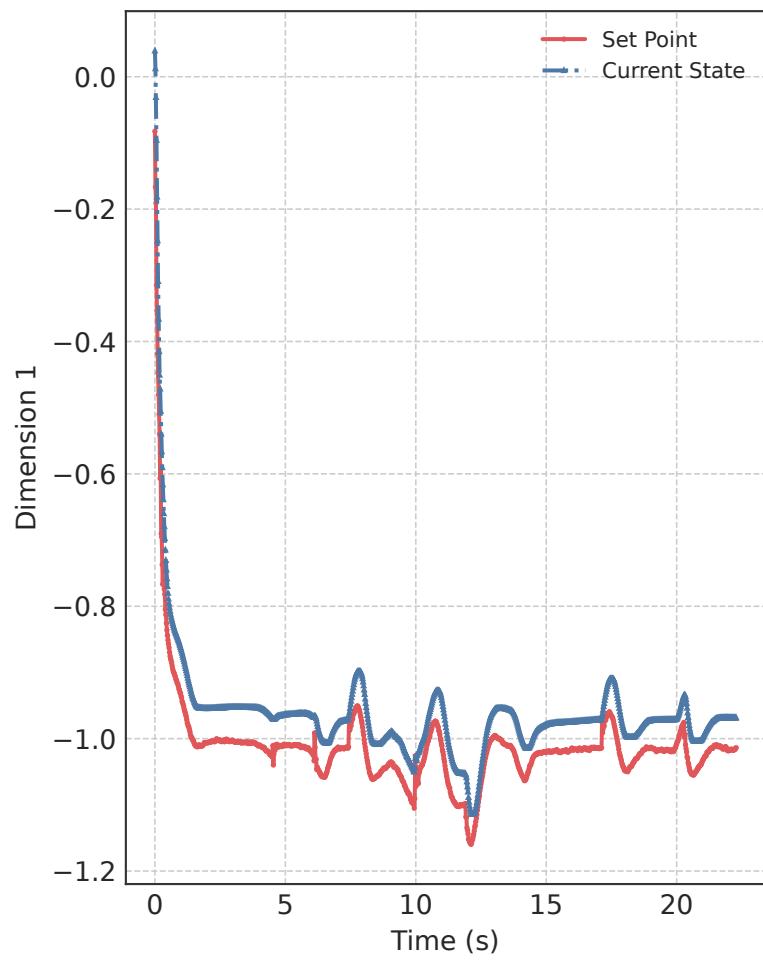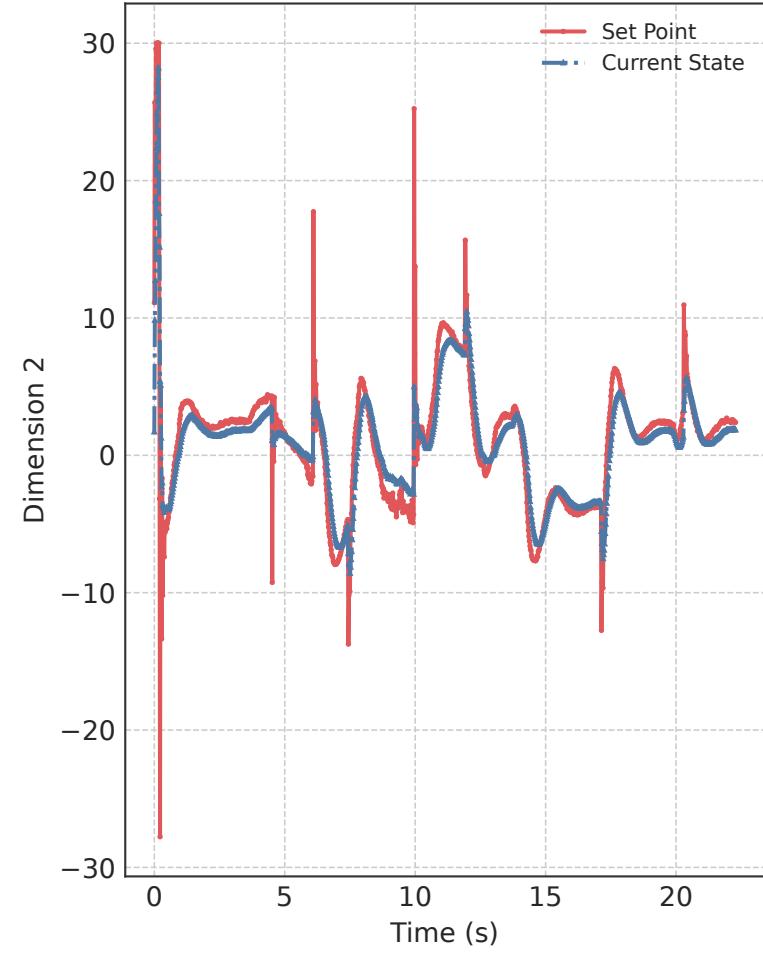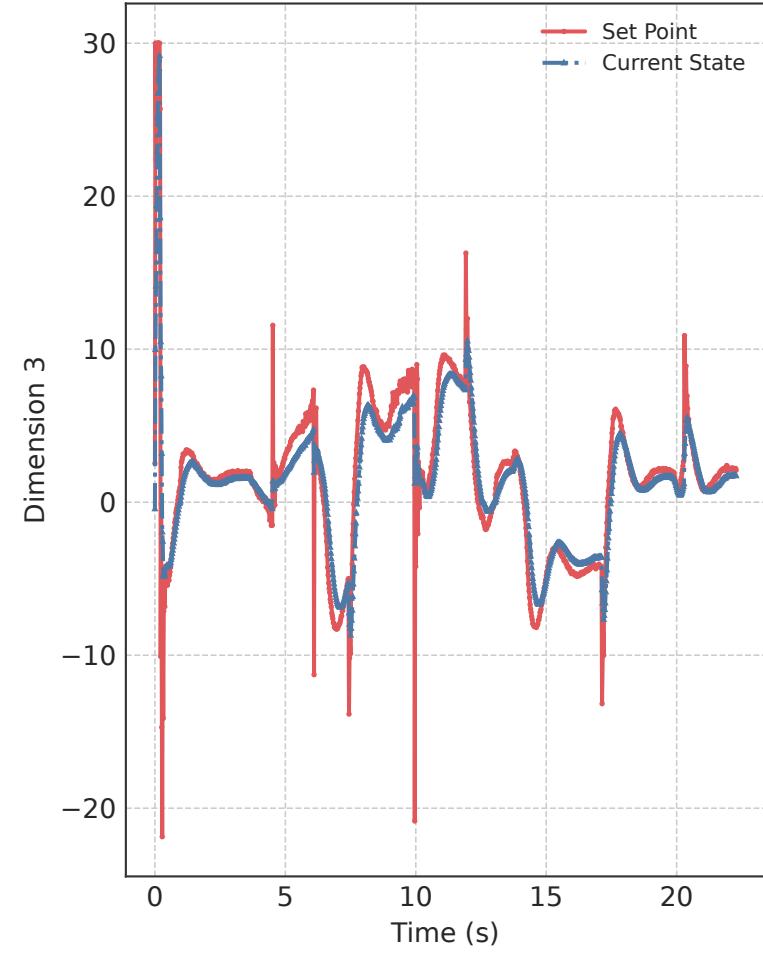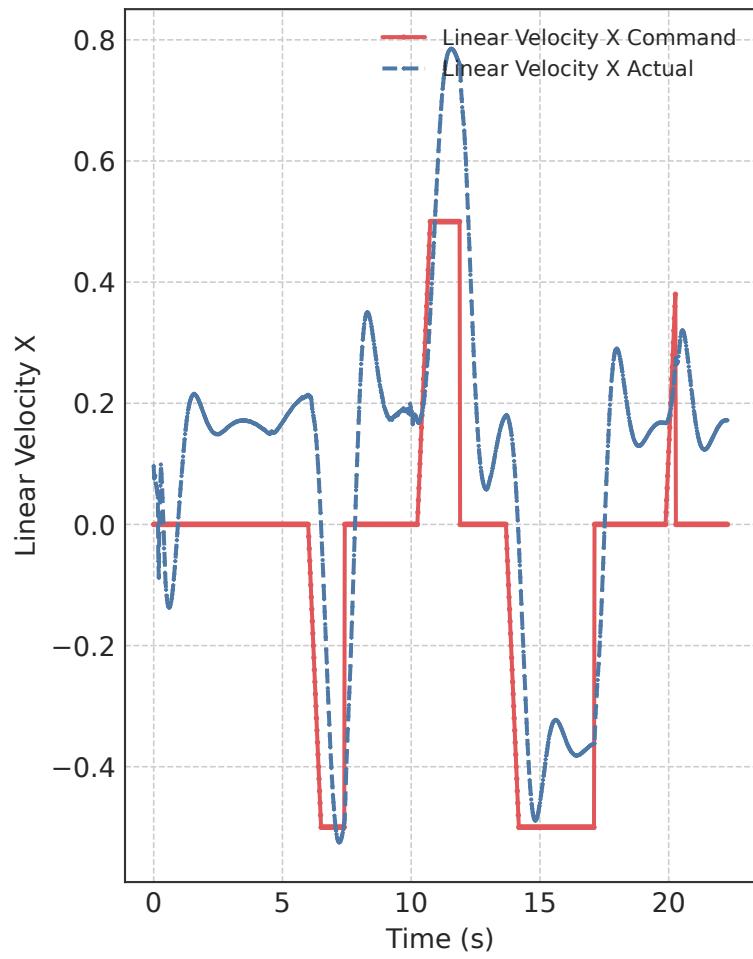
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New mobility, New possibility

Set Points vs. Actual State

Command vs. Actual Values

Linear Velocity X

Legend:
- Linear Velocity X Command
- Linear Velocity X Actual

Linear Velocity Y

Legend:
- Linear Velocity Y Command
- Linear Velocity Y Actual

Angular Velocity Z

Legend:
- Angular Velocity Z Command
- Angular Velocity Z Actual

Position Z

Legend:
- Position Z Command
- Position Z Actual (Absolute)
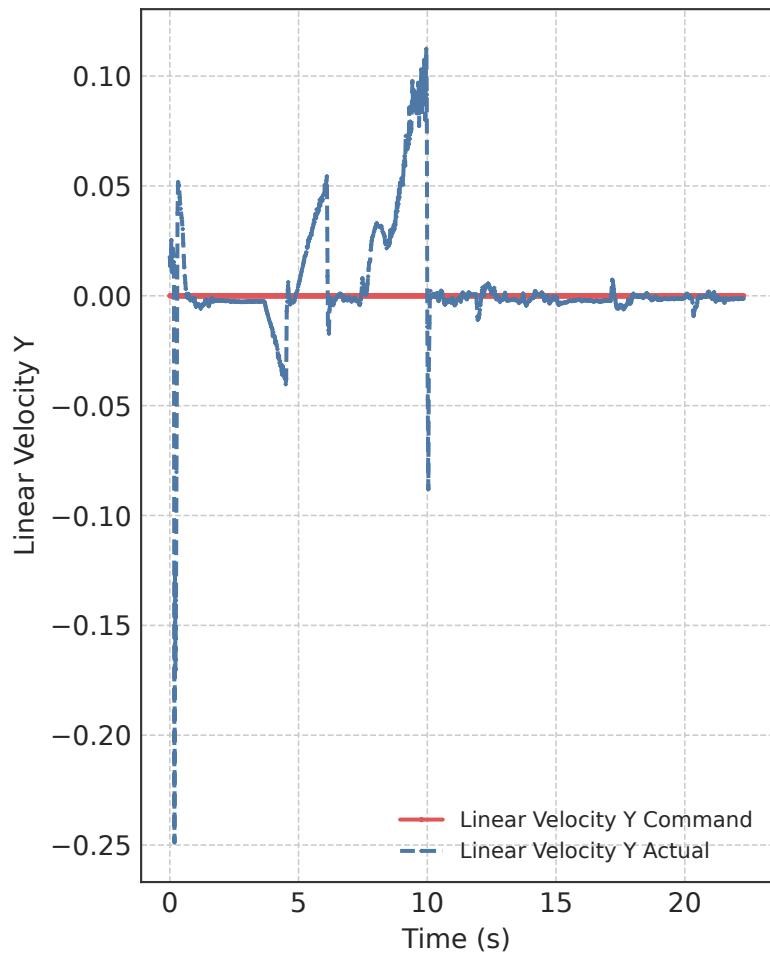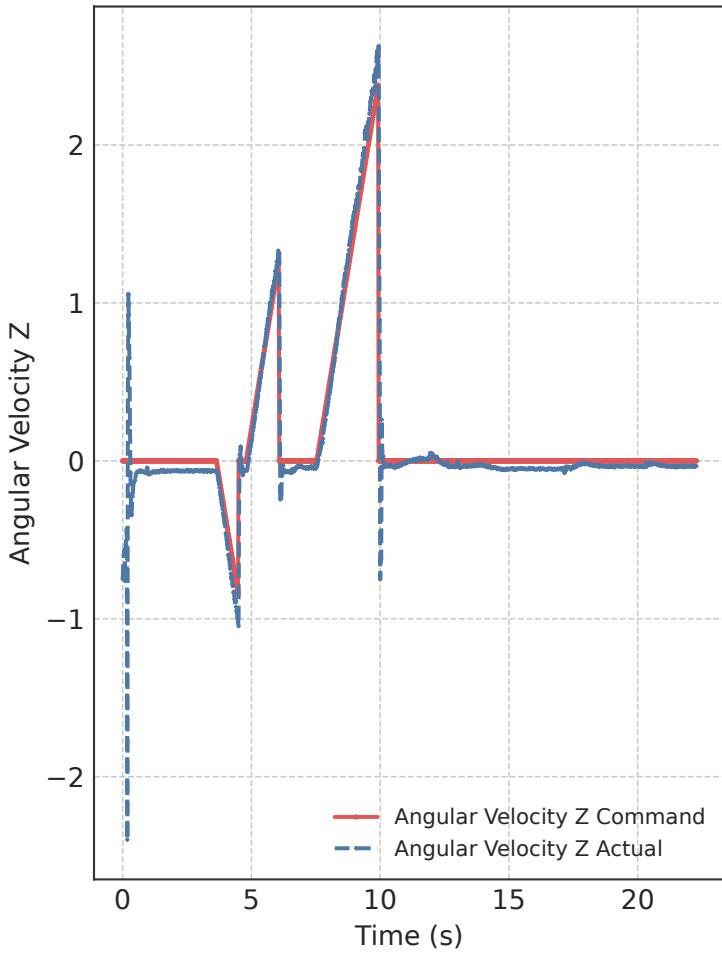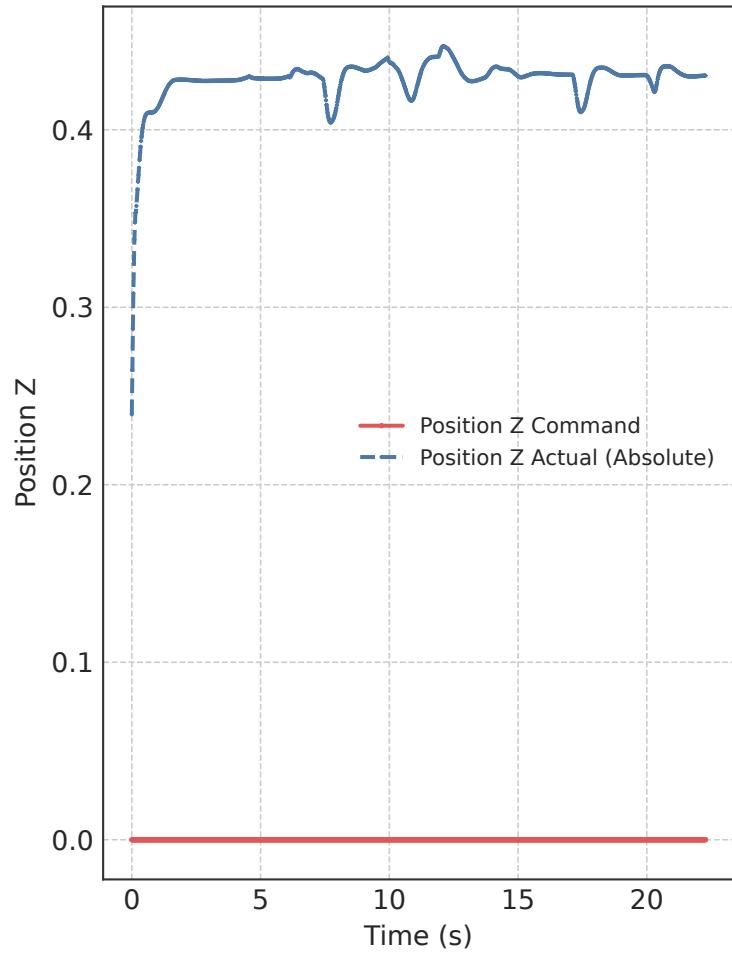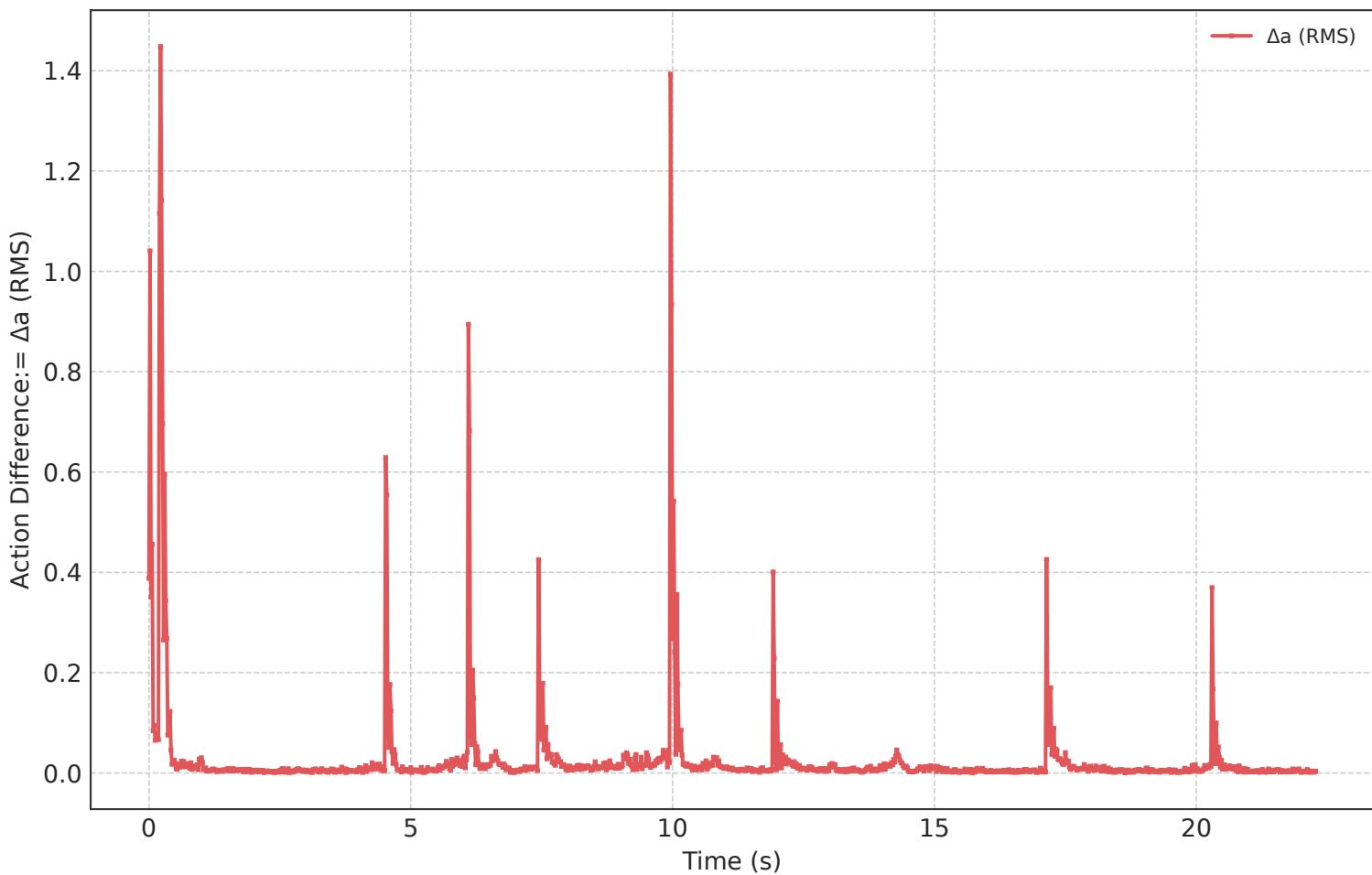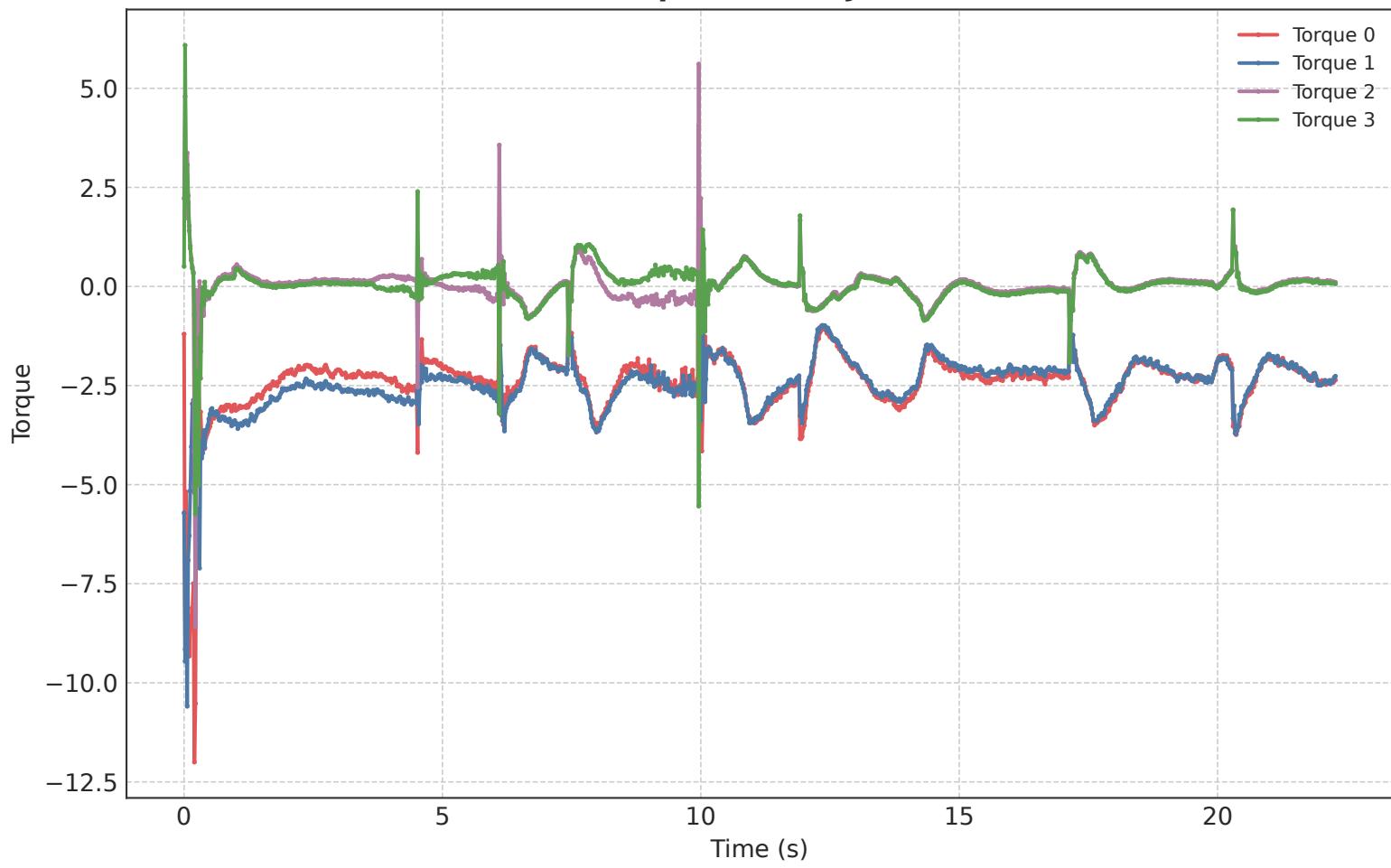
Action Difference (Oscillation) and Torques

COCELO

Action Difference (Oscillation)

Torque of Each Joint

Configuration

COCELO

Parameter	Value
env	
id	flamingo_edu_v1
terrain	flat
action_in_state	True
time_in_state	False
max_duration	180.0
observation_dim	12
command_dim	4
action_dim	4
num_stack	3
policy	
use_lstm	False
h_in_dim	256
c_in_dim	256
onnx_file	policy.onnx
random	
precision	medium
sensor_noise	low
init_noise	0.05
sliding_friction	0.8
torsional_friction	0.02
rolling_friction	0.01
friction_loss	0.1
action_delay_prob	0.05
mass_noise	0.05
load	0.0
hardware	
Kp_hip	N/A
Kp_shoulder	50.0
Kp_leg	N/A
Kd_hip	N/A
Kd_shoulder	1.5
Kd_leg	N/A
Kp_wheel	0.0
Kd_wheel	0.2
joint_max_torque	12.0
wheel_max_torque	12.0