

Test Report

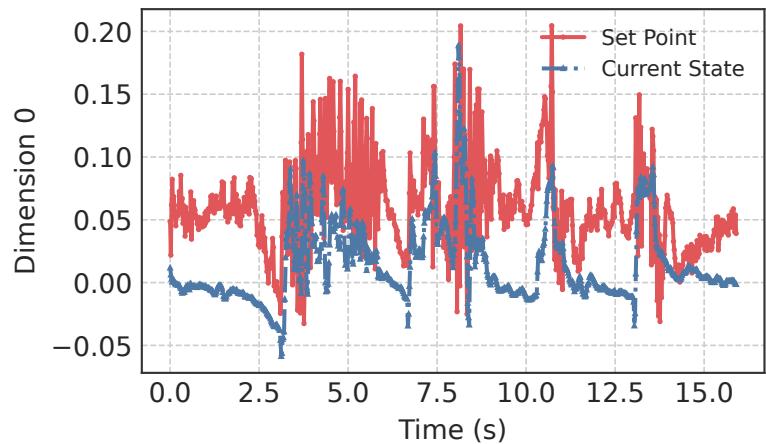
Report generated on: 2025-05-18 17:36:29

This report provides an in-depth overview of key performance metrics, encompassing the following analyses:

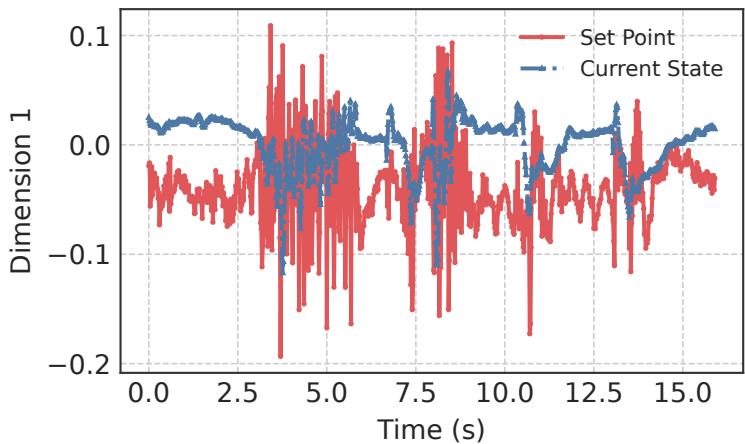
- Set Points vs. Actual State
- Command vs. Actual Values
- Action oscillation
- Actual Torques

Set Points vs. Actual State

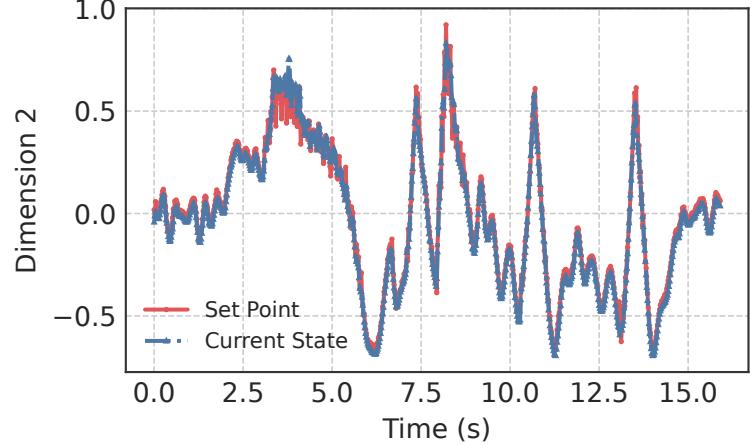
Dimension 0



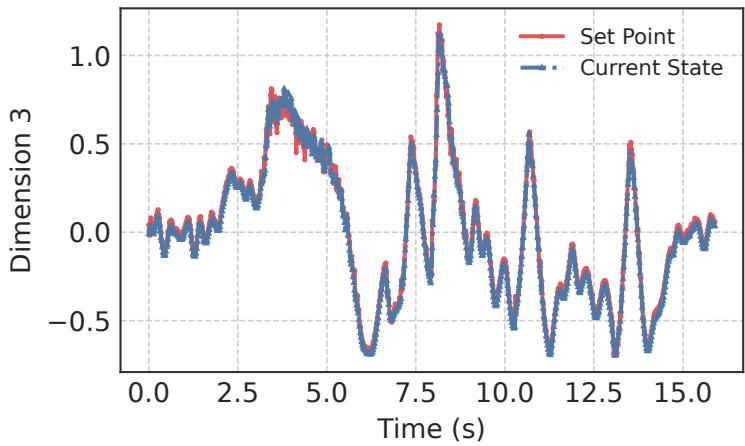
Dimension 1



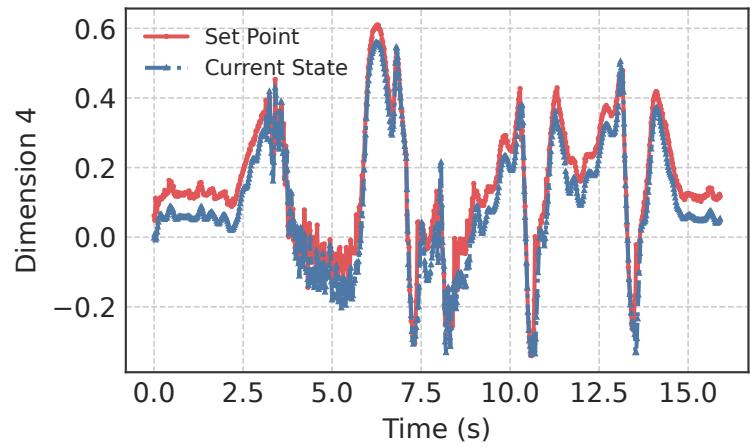
Dimension 2



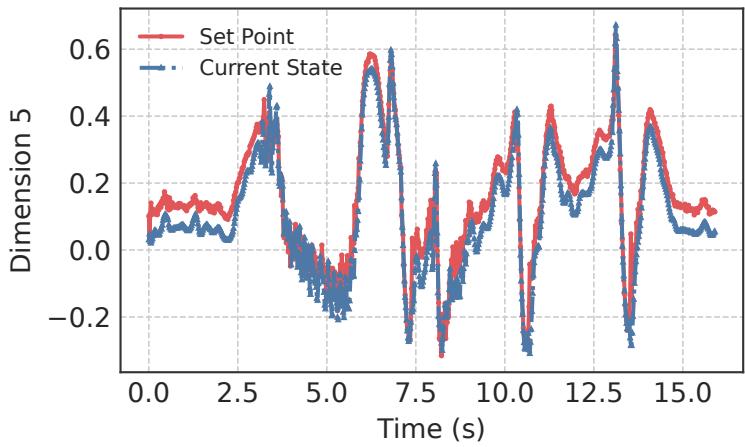
Dimension 3



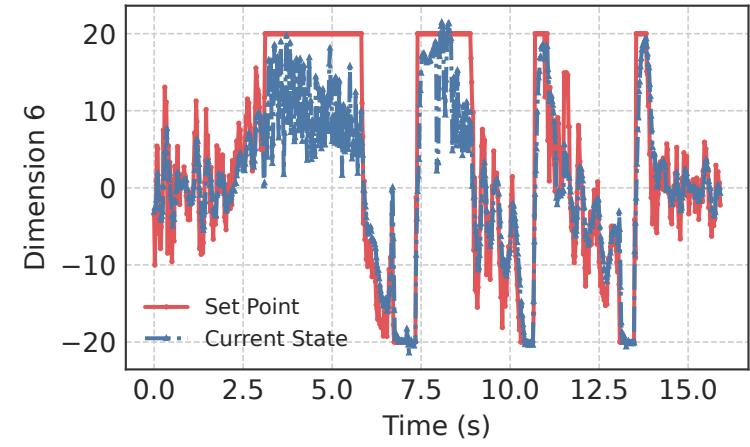
Dimension 4



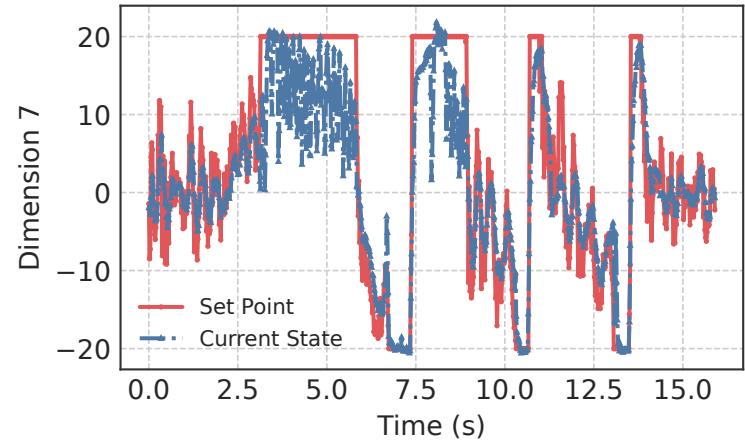
Dimension 5



Dimension 6

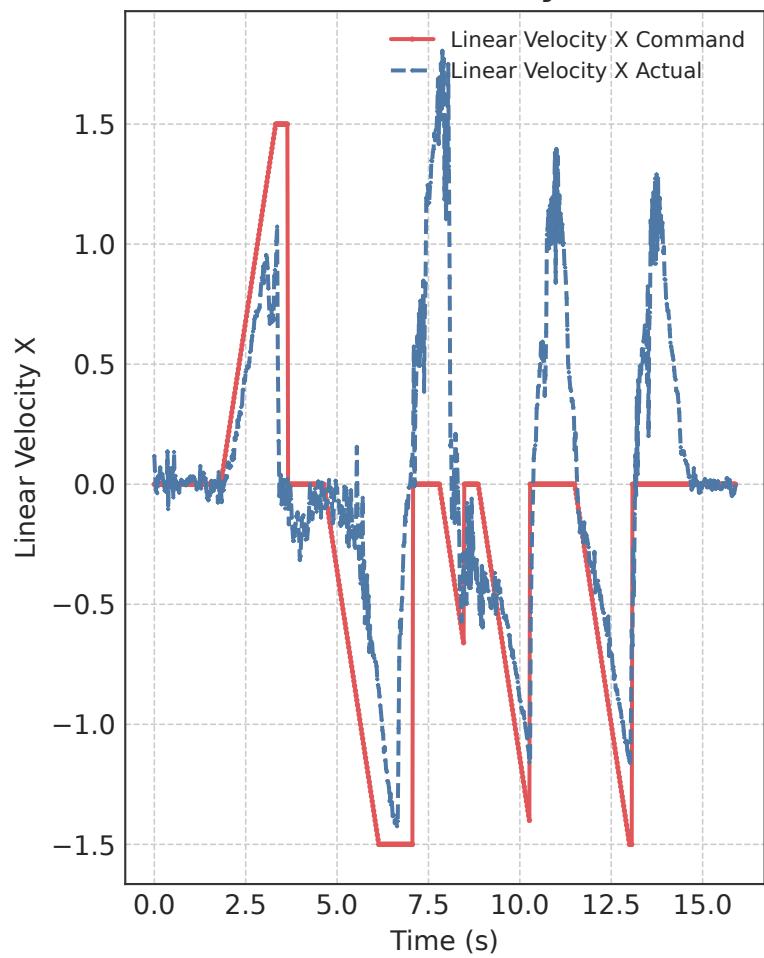


Dimension 7

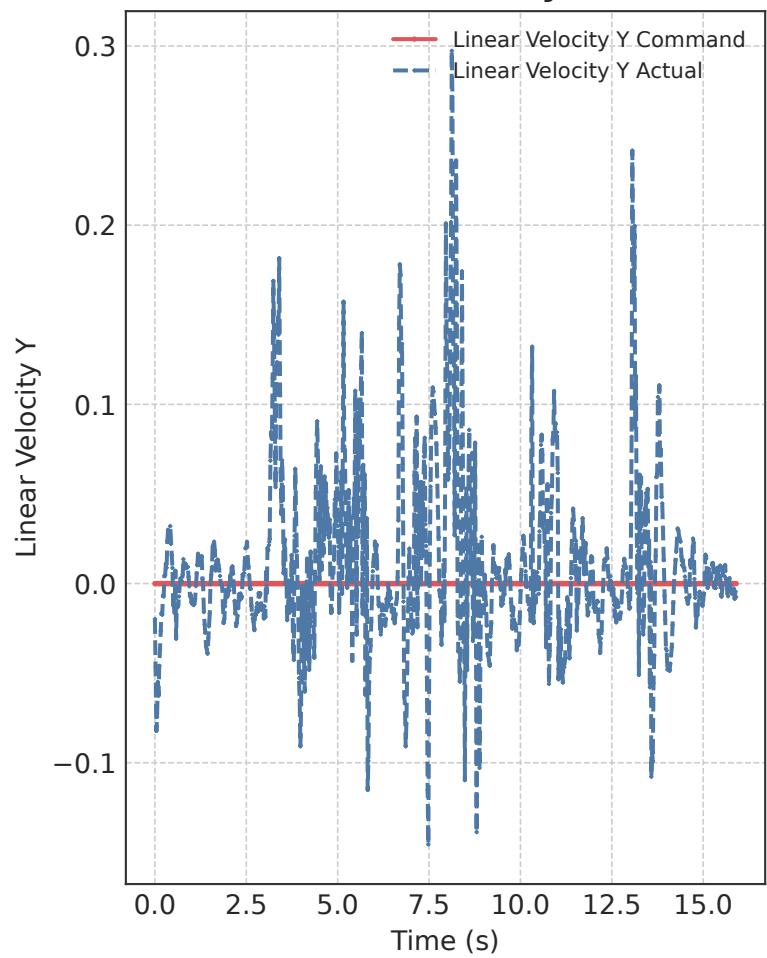


Command vs. Actual Values

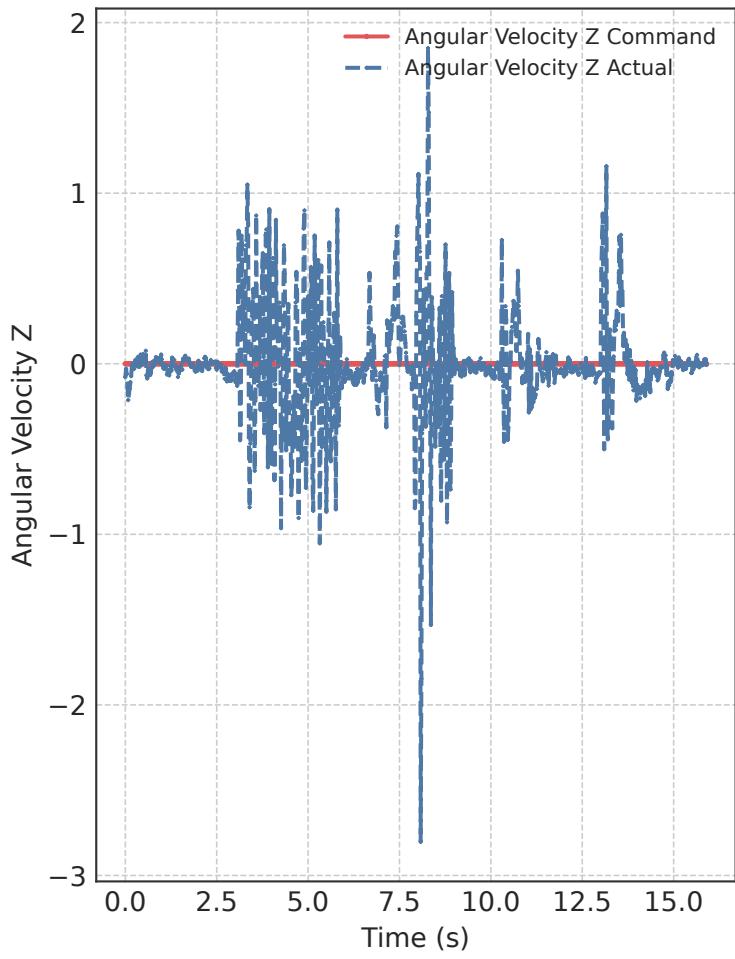
Linear Velocity X



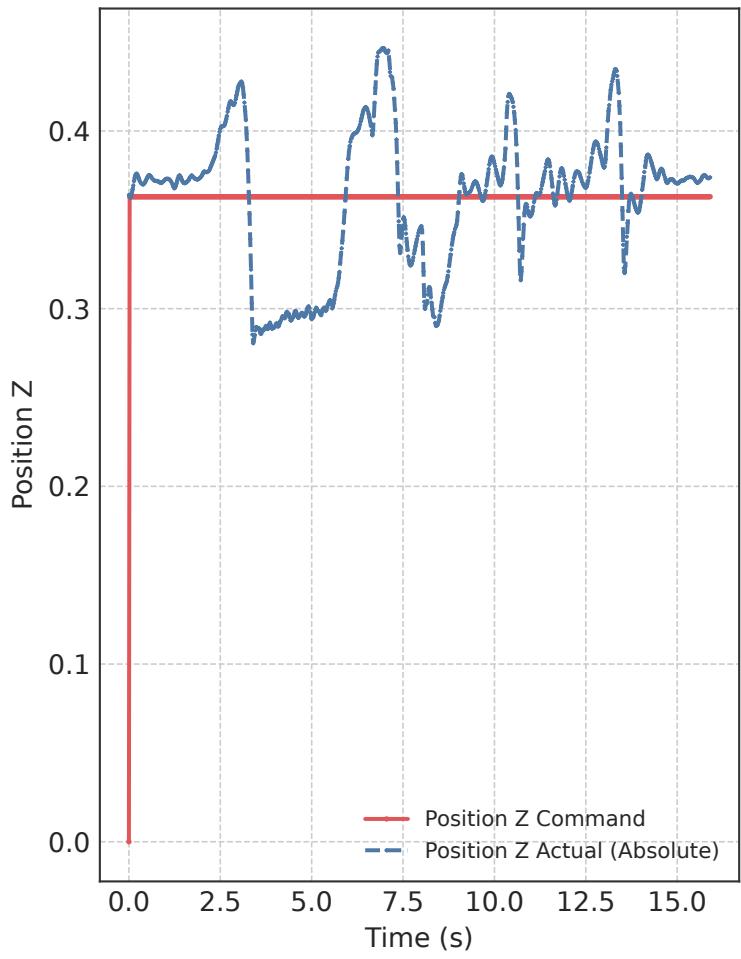
Linear Velocity Y



Angular Velocity Z

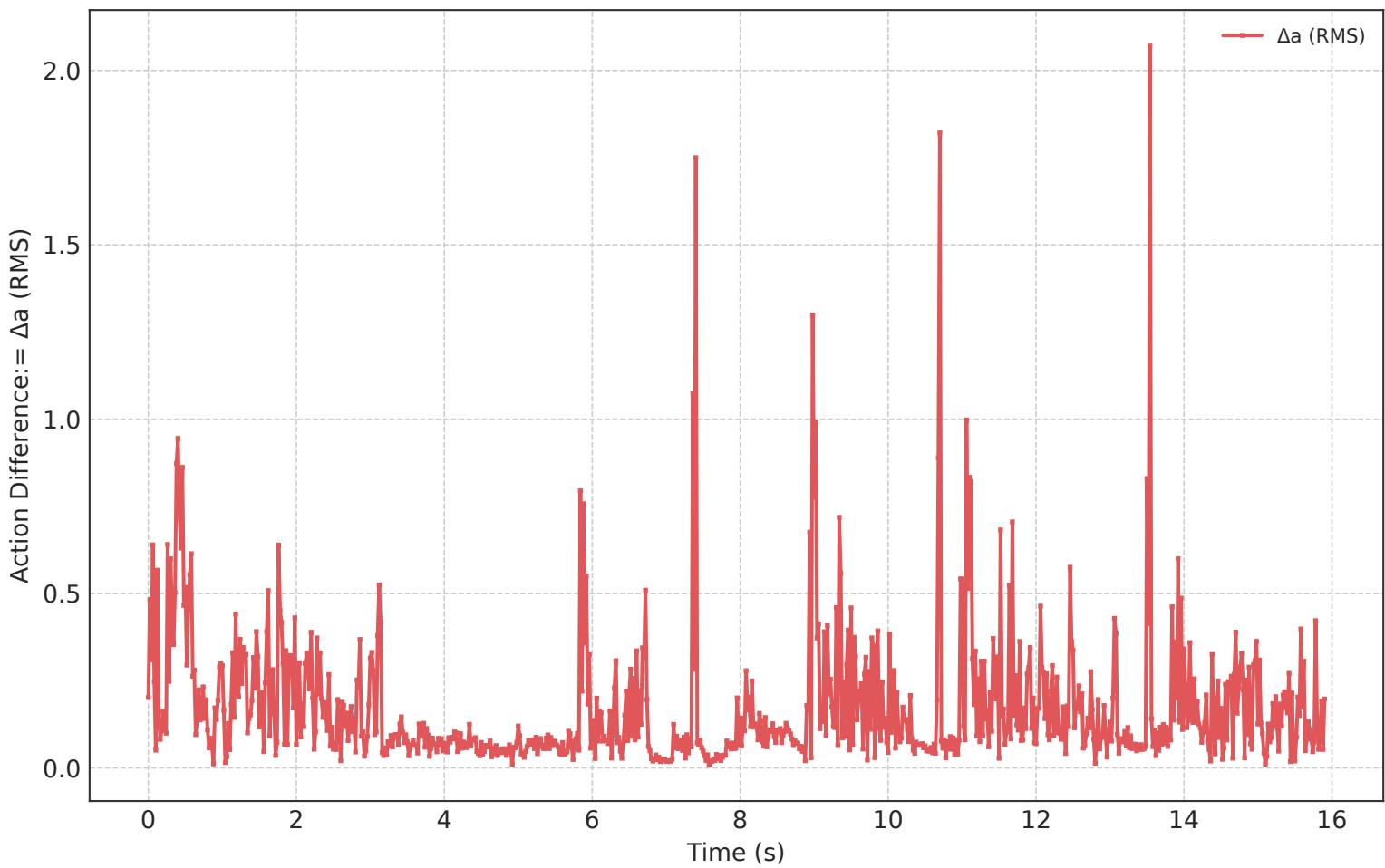


Position Z

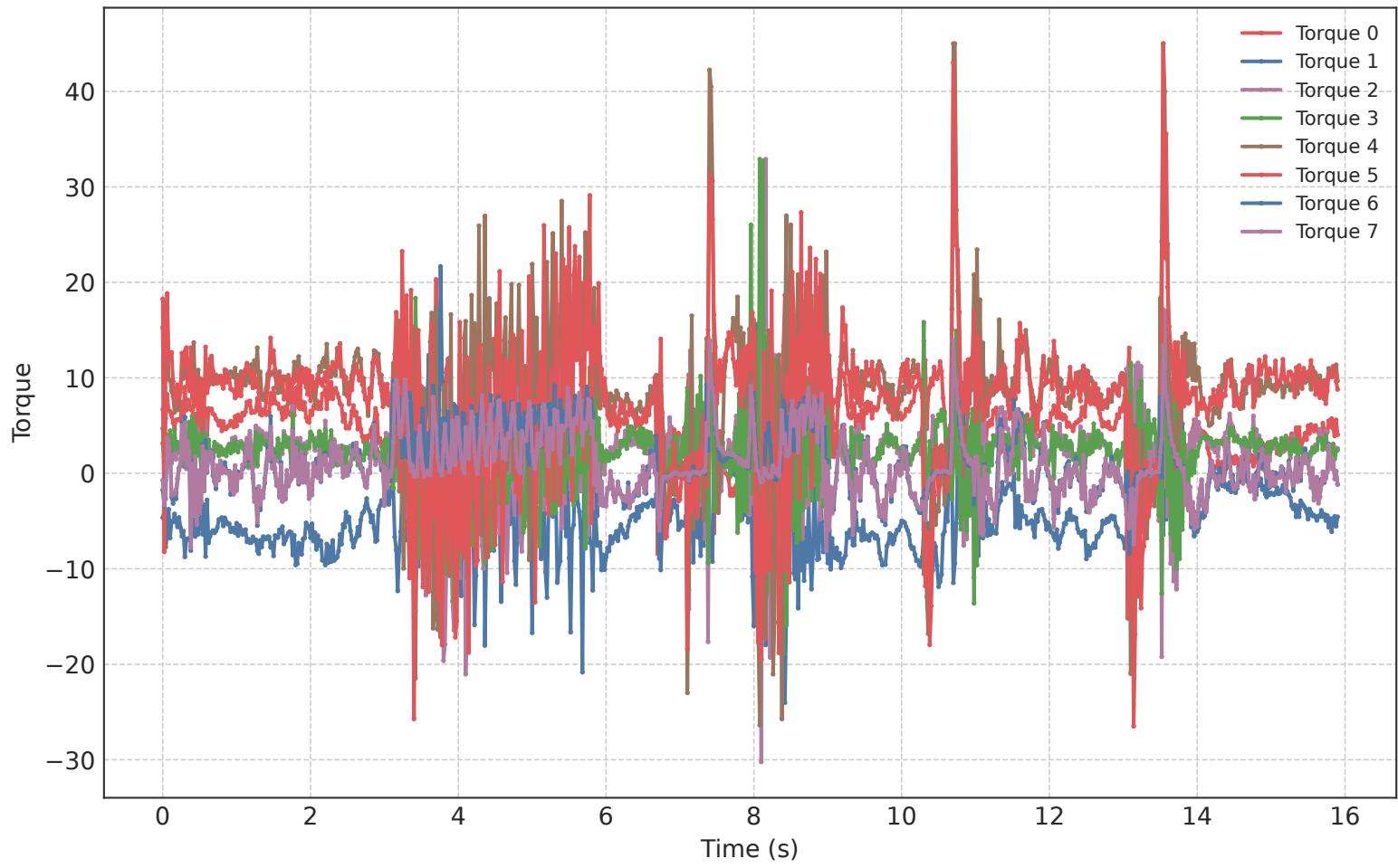


Action Difference (Oscillation) and Torques

Action Difference (Oscillation)



Torque of Each Joint



Configuration

Parameter	Value
env	
id	flamingo_v1_5_1
terrain	stairs_hard
action_in_state	True
time_in_state	False
max_duration	180.0
observation_dim	20
command_dim	4
action_dim	8
num_stack	3
policy	
use_lstm	False
h_in_dim	256
c_in_dim	256
onnx_file	policy.onnx
obs_scales	
lin_vel	1.0
ang_vel	1.0
dof_pos	1.0
dof_vel	1.0
random	
precision	extreme
sensor_noise	extreme
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	100.0
Kp_shoulder	100.0
Kp_leg	150.0
Kd_hip	1.5
Kd_shoulder	1.5
Kd_leg	2.0
Kp_wheel	0.0
Kd_wheel	0.5
joint_max_torque	45.0
wheel_max_torque	45.0