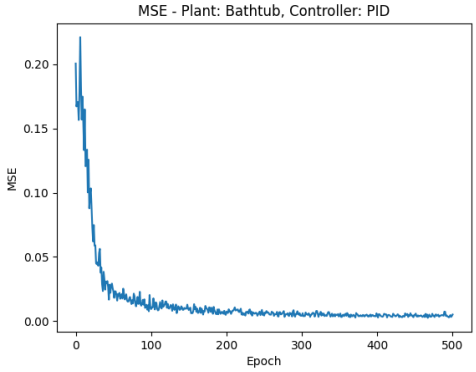
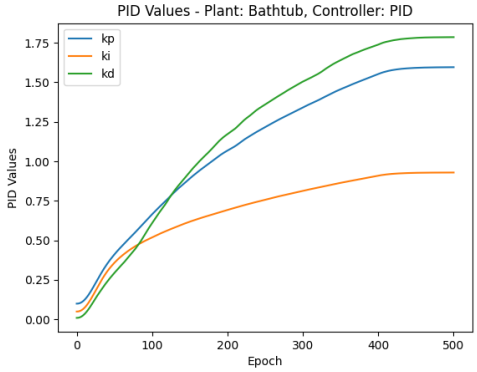
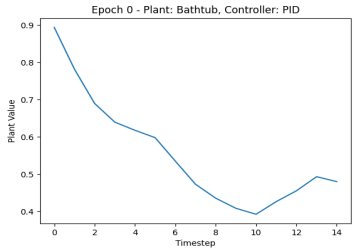
Report for Plant: Bathtub, Controller: PID

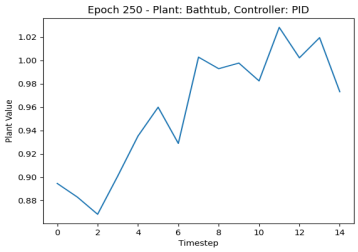
Configuration Parameters:

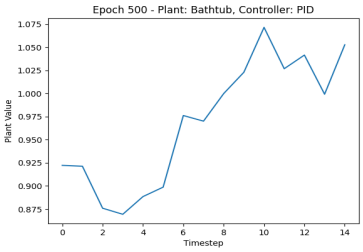
Plant: Bathtub
Controller: PID
Target Value: 1.0
Epochs: 501
Timesteps: 15
Learning Rate: 0.05
Warmup Time: 0.2
Cooldown Time: 0.2
Noise Range: 0.2
Bathtub: Cross-sectional Area (A): 5.0
Bathtub: Drain Area (C): 0.1
Bathtub: Initial Height (H_init): 1.0
Bathtub: Gravitational Constant (g): 9.81
PID: kp_init: 0.1
PID: ki_init: 0.05
PID: kd_init: 0.01







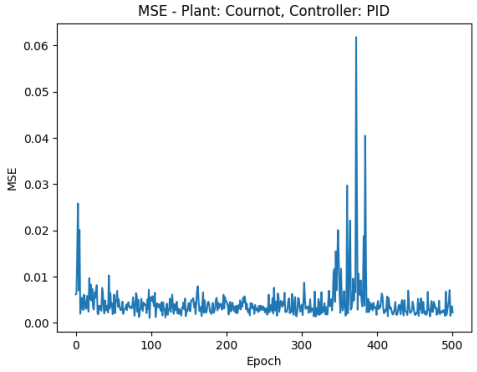


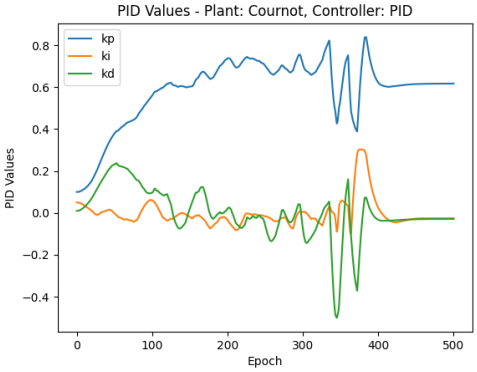


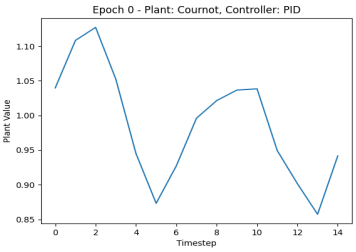
Report for Plant: Cournot, Controller: PID

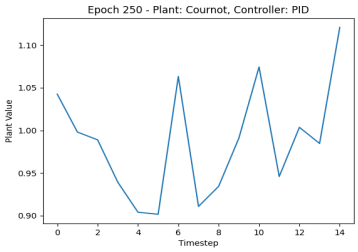
Configuration Parameters:

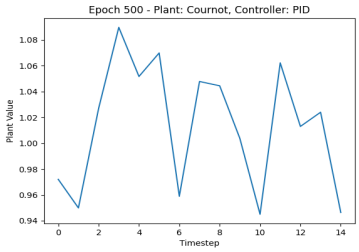
Plant: Cournot
Controller: PID
Target Value: 1.0
Epochs: 501
Timesteps: 15
Learning Rate: 0.05
Warmup Time: 0.2
Cooldown Time: 0.2
Noise Range: 0.2
Cournot: Maximum Price (P_max): 3.0
Cournot: Marginal Cost (C_m): 0.01
Cournot: Initial Production q_1: 0.5
Cournot: Initial Production q_2: 0.5
PID: kp_init: 0.1
PID: ki_init: 0.05
PID: kd_init: 0.01







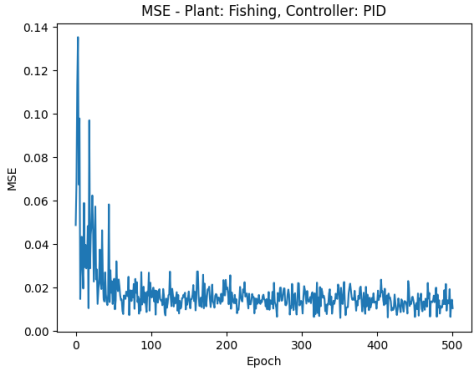


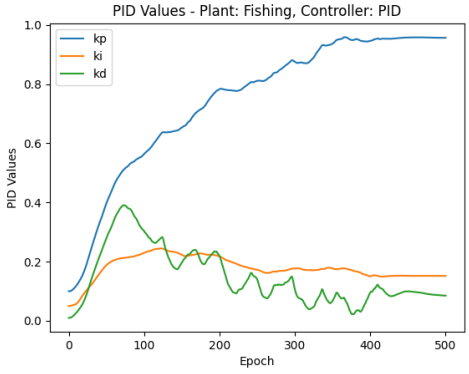


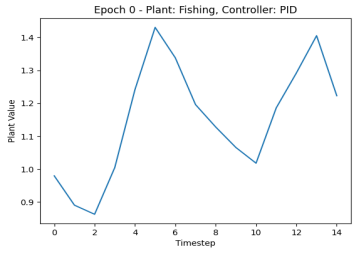
Report for Plant: Fishing, Controller: PID

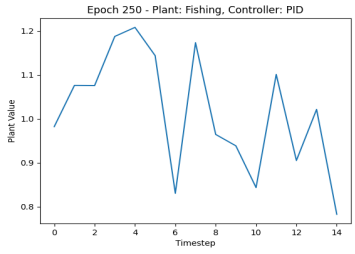
Configuration Parameters:

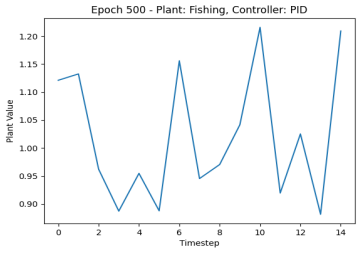
Plant: Fishing
Controller: PID
Target Value: 1.0
Epochs: 501
Timesteps: 15
Learning Rate: 0.05
Warmup Time: 0.2
Cooldown Time: 0.2
Noise Range: 0.2
Fishing: Initial Fish Population (F_init): 1.0
Fishing: Growth Rate (r): 0.1
Fishing: Carrying Capacity (N): 3.0
PID: kp_init: 0.1
PID: ki_init: 0.05
PID: kd_init: 0.01







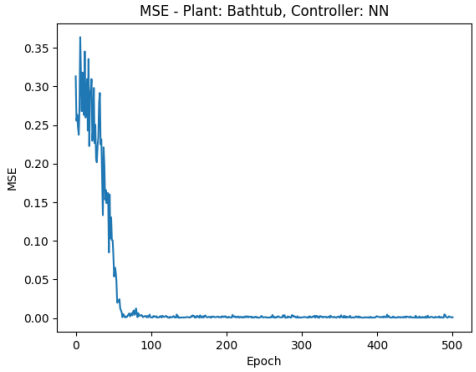


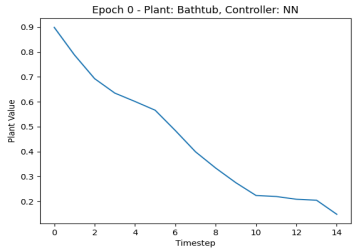


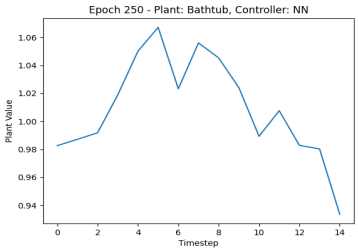
Report for Plant: Bathtub, Controller: NN

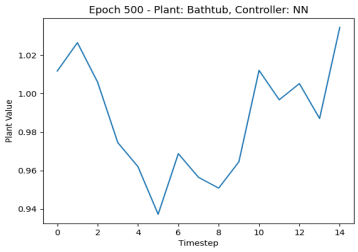
Configuration Parameters:

Plant: Bathtub
Controller: NN
Target Value: 1.0
Epochs: 501
Timesteps: 15
Learning Rate: 0.005
Warmup Time: 0.2
Cooldown Time: 0.2
Noise Range: 0.2
Bathtub: Cross-sectional Area (A): 5.0
Bathtub: Drain Area (C): 0.1
Bathtub: Initial Height (H_init): 1.0
Bathtub: Gravitational Constant (g): 9.81
NN: Hidden Layer Sizes: [5, 5, 5]
NN: Init Range: 0.1
NN: Activation Function: relu





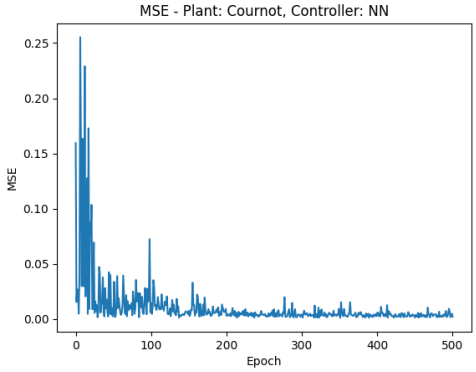


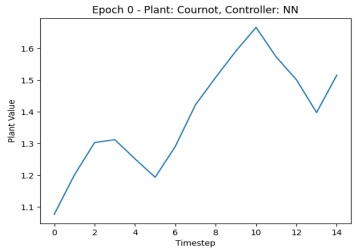


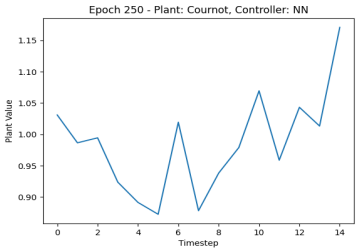
Report for Plant: Cournot, Controller: NN

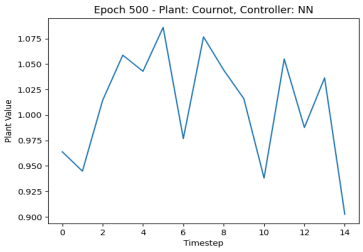
Configuration Parameters:

Plant: Cournot
Controller: NN
Target Value: 1.0
Epochs: 501
Timesteps: 15
Learning Rate: 0.005
Warmup Time: 0.2
Cooldown Time: 0.2
Noise Range: 0.2
Cournot: Maximum Price (P_max): 3.0
Cournot: Marginal Cost (C_m): 0.01
Cournot: Initial Production q_1: 0.5
Cournot: Initial Production q_2: 0.5
NN: Hidden Layer Sizes: [5, 5, 5]
NN: Init Range: 0.1
NN: Activation Function: relu









Report for Plant: Fishing, Controller: NN

Configuration Parameters:

Plant: Fishing
Controller: NN
Target Value: 1.0
Epochs: 501
Timesteps: 15
Learning Rate: 0.005
Warmup Time: 0.2
Cooldown Time: 0.2
Noise Range: 0.2
Fishing: Initial Fish Population (F_init): 1.0
Fishing: Growth Rate (r): 0.1
Fishing: Carrying Capacity (N): 3.0
NN: Hidden Layer Sizes: [5, 5, 5]
NN: Init Range: 0.1
NN: Activation Function: relu