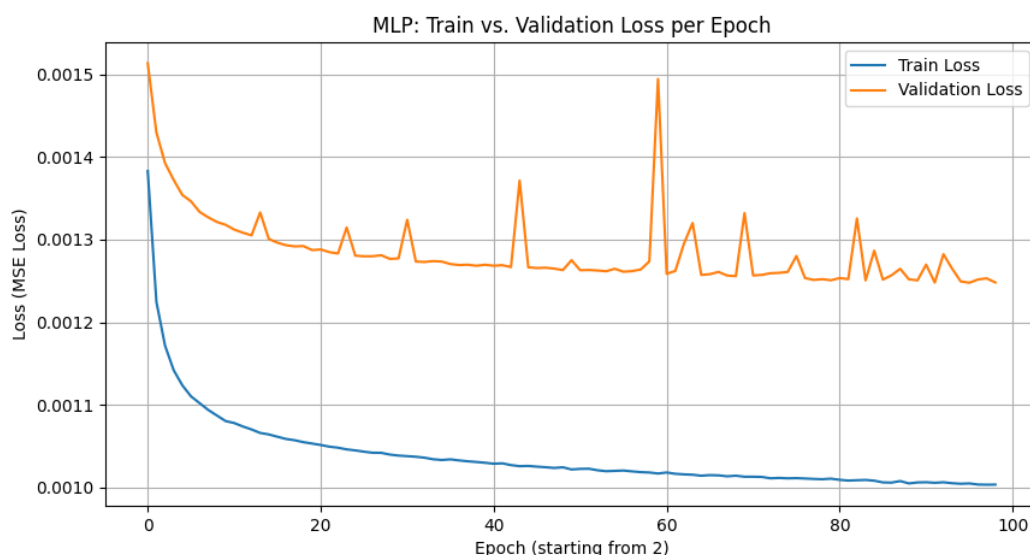

dataset_nmpc.csv

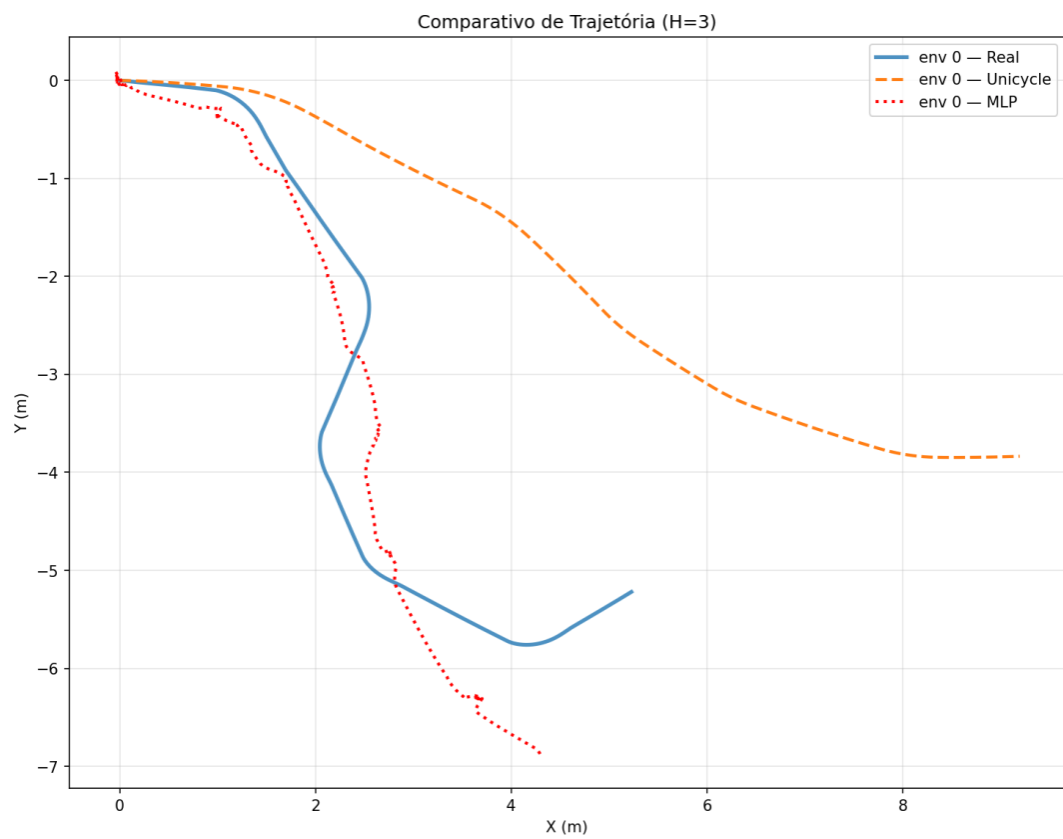
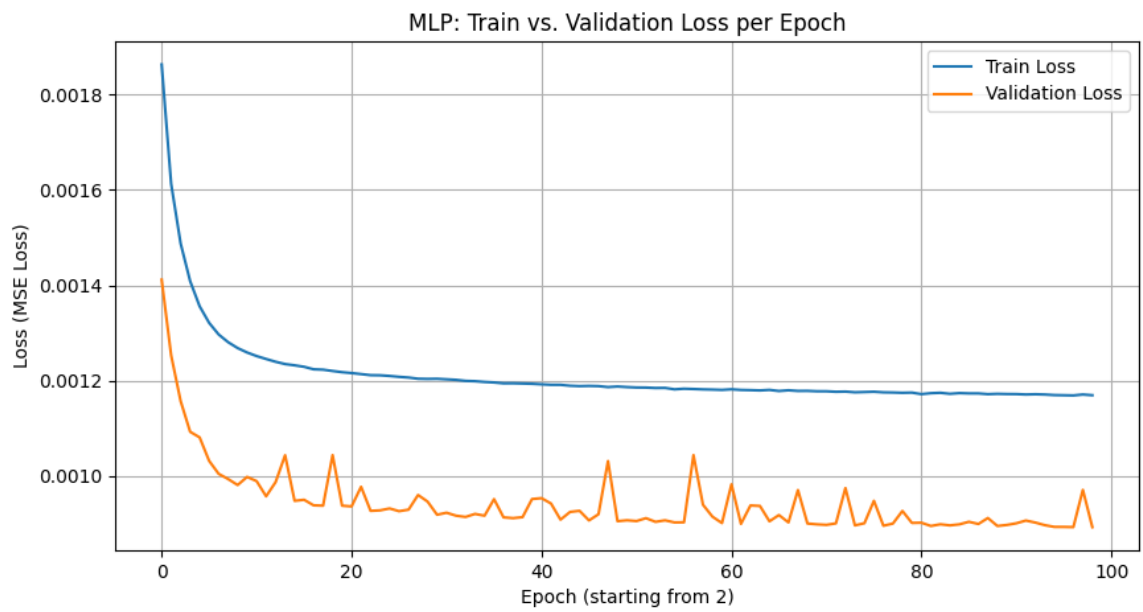
RUN #1 (MELHOR LOSS E VALIDATION)

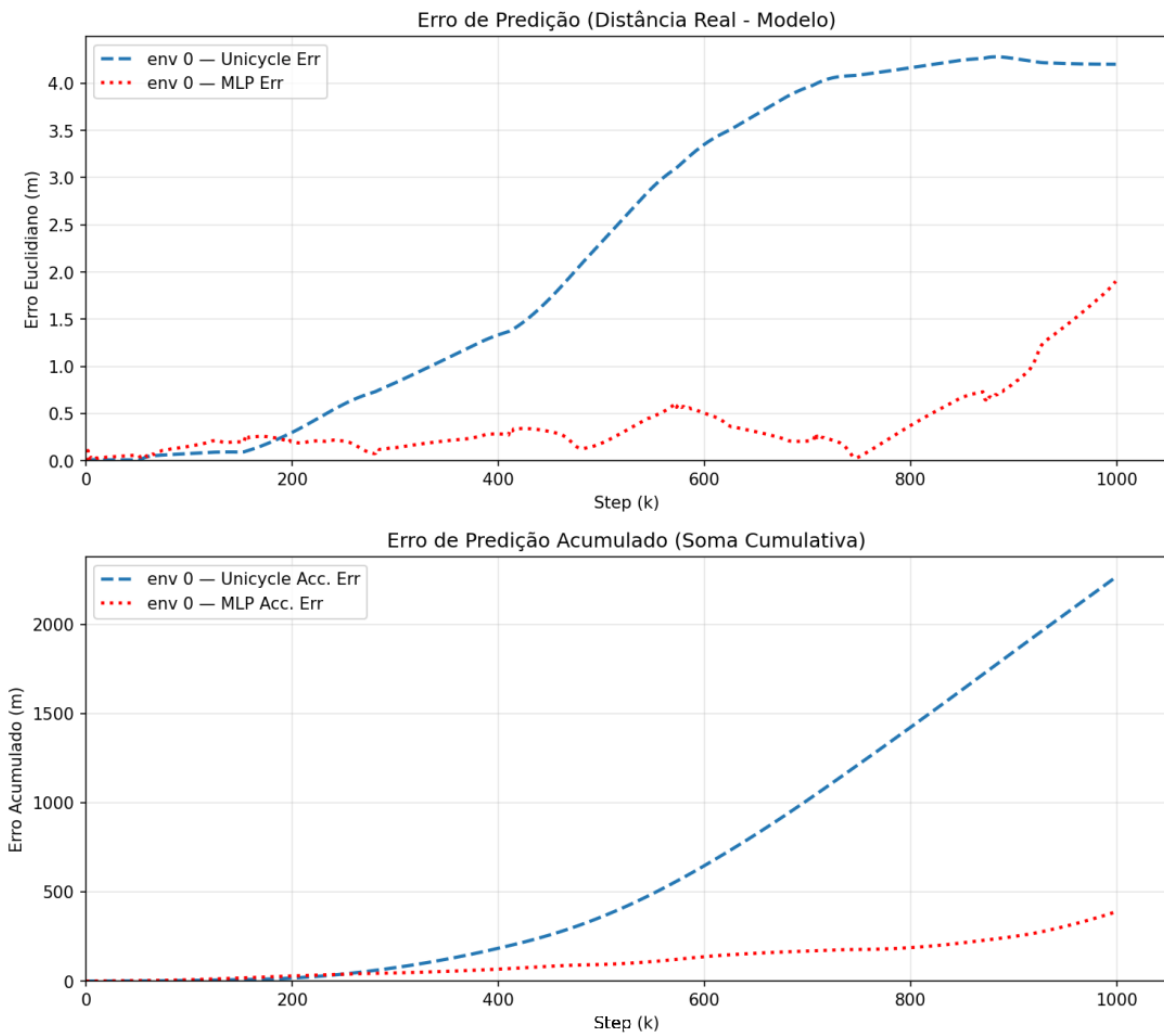
- epoch: 100 (da pra aumentar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.0 (parece melhor sem)
- hidden_layers: [5] → [128, 128, 128] → [3]
- train_MSE: 0.001004
- val_MSE: 0.001248



RUN #2

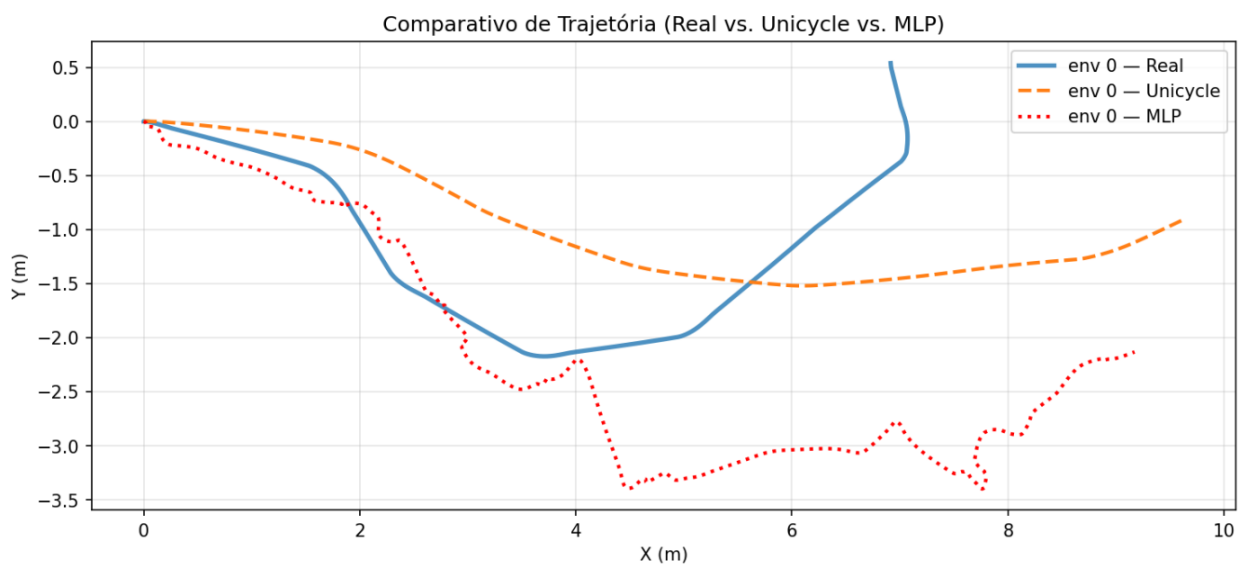
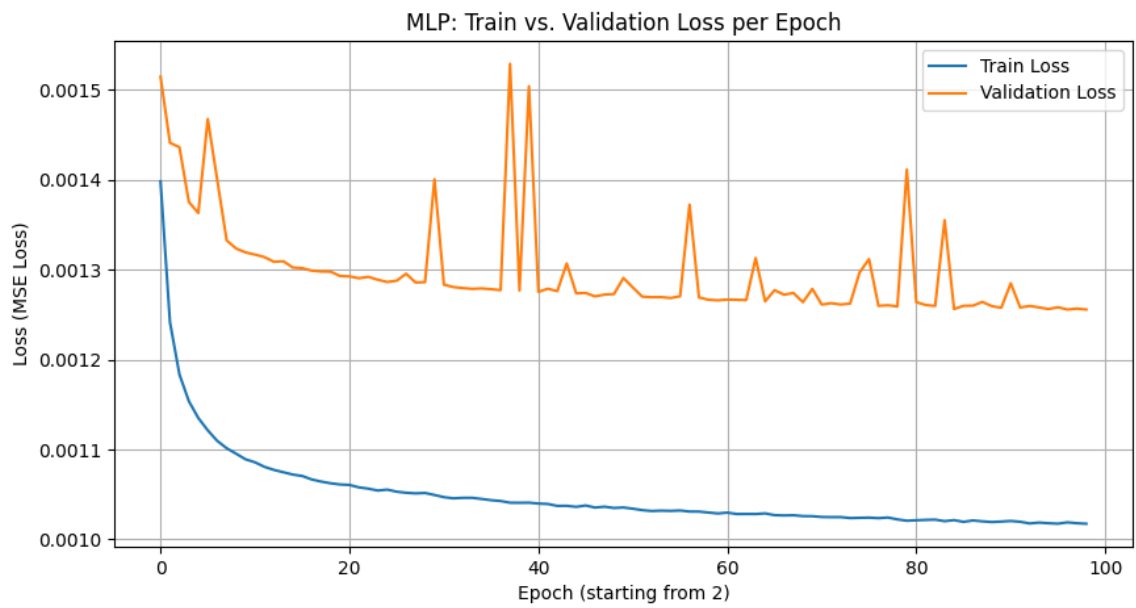
- epoch: 100 (da pra aumentar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.0 (parece melhor sem)
- hidden_layers: [15] → [128, 128, 128] → [3] (colocando 3 estados melhorou a validation)
- train_MSE: 0.001169
- val_MSE: 0.000892

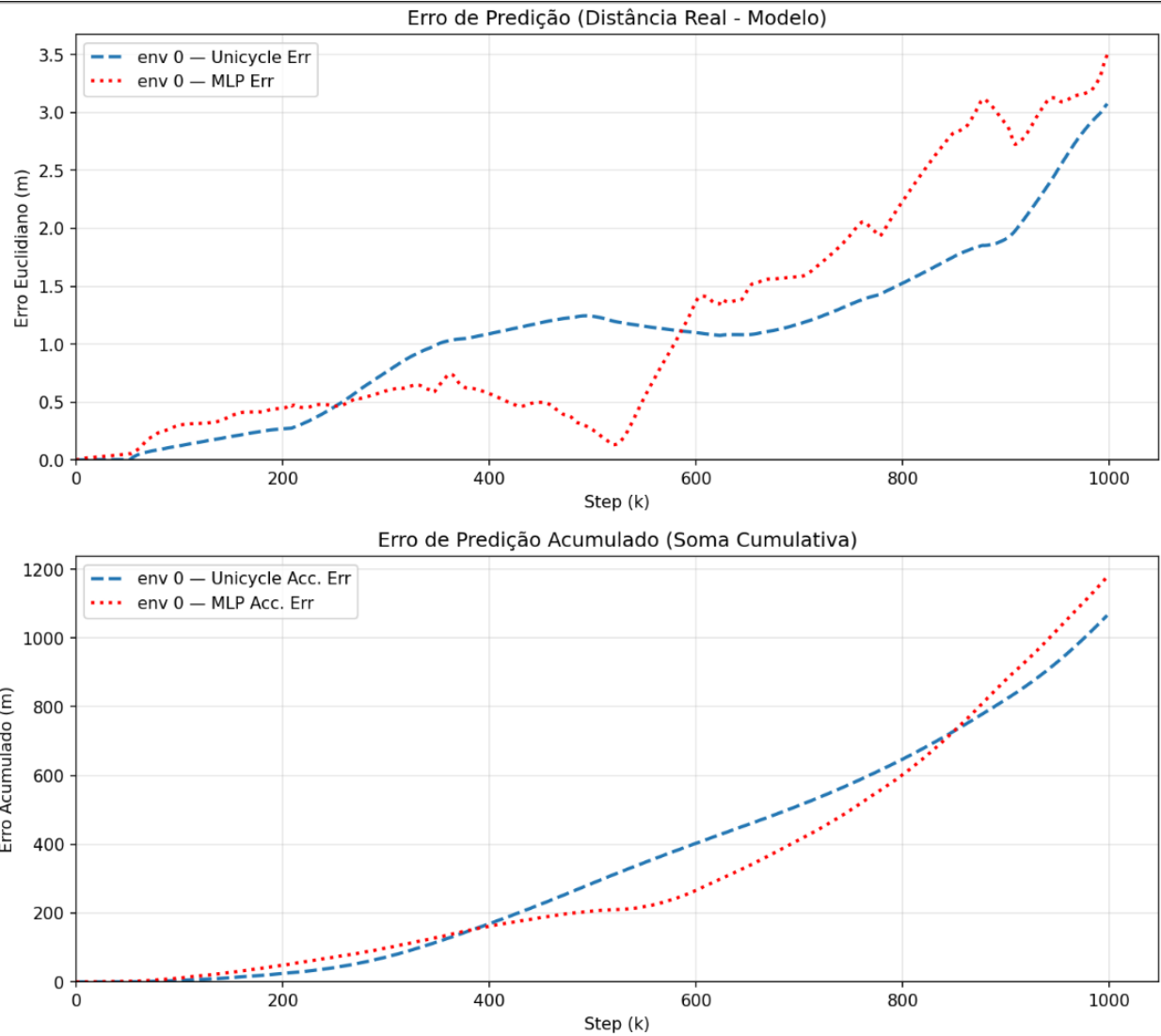




RUN #3

- epoch: 100 (da pra aumentar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.0 (parece melhor sem)
- hidden_layers: [5] → [128, 128, 128, 128] → [3] (+1 camada parece piorar um pouco)
- train_MSE: 0.001017
- val_MSE: 0.001256

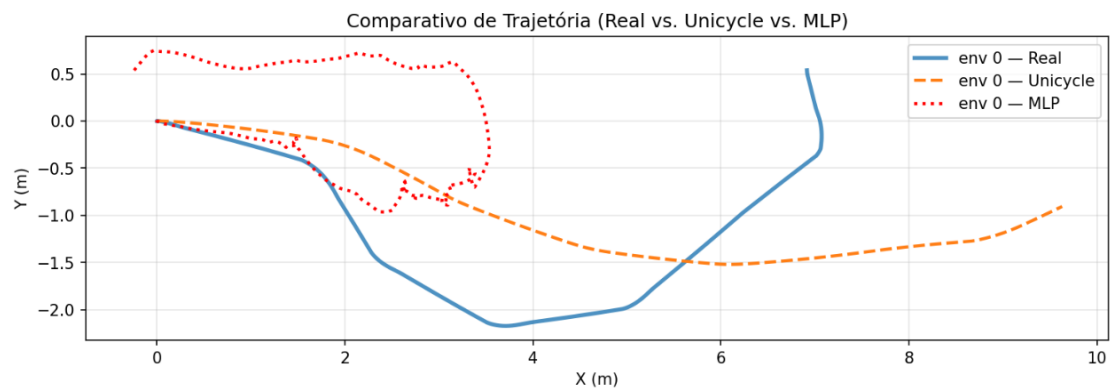
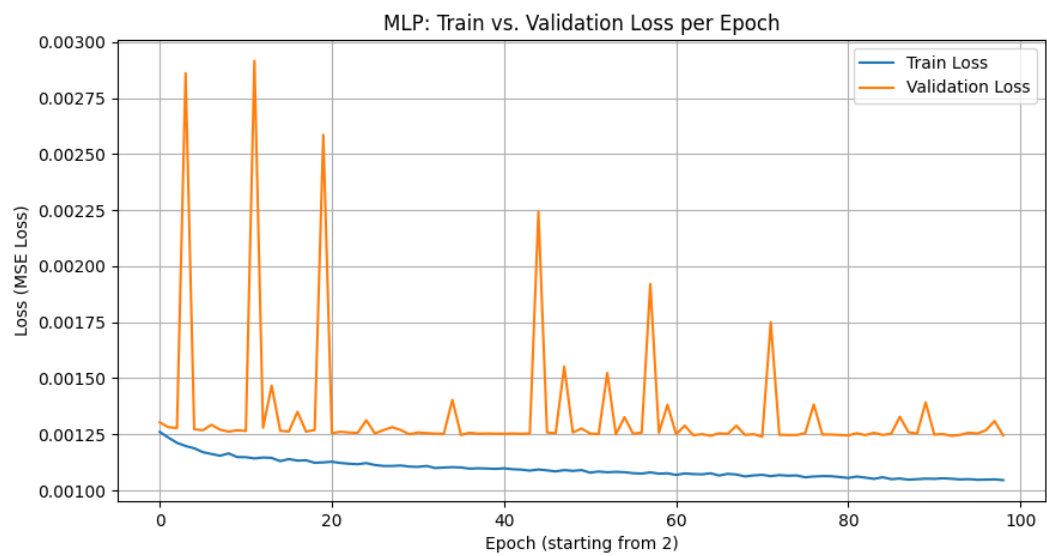


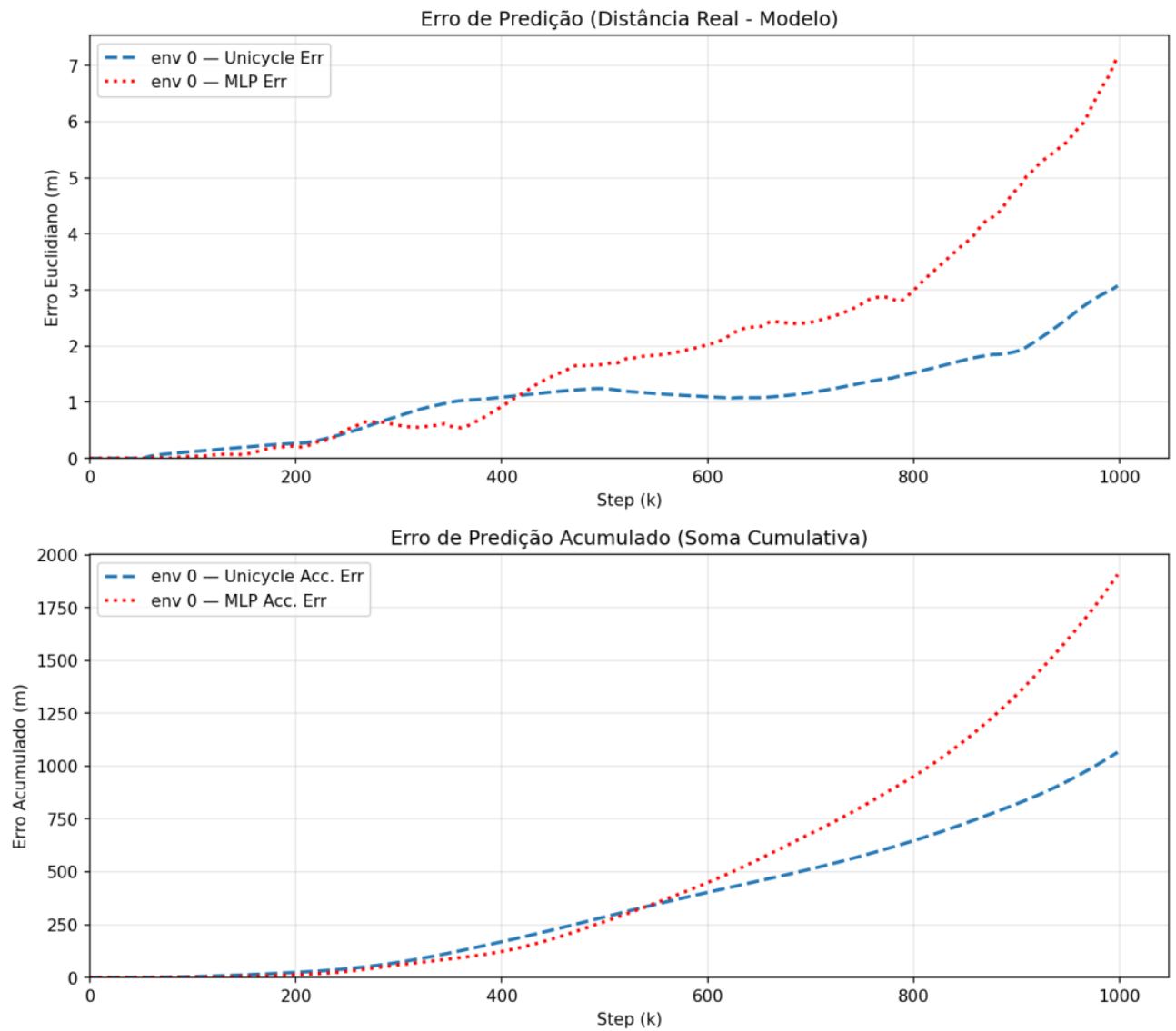


+

RUN #x

- epoch: 100 (da pra aumentar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.0 (parece melhor sem)
- hidden_layers: [5] → [768, 768, 768, 768, 768, 768, 768, 768, 768] → [3]
- train_MSE: 0.001045
- val_MSE: 0.001245

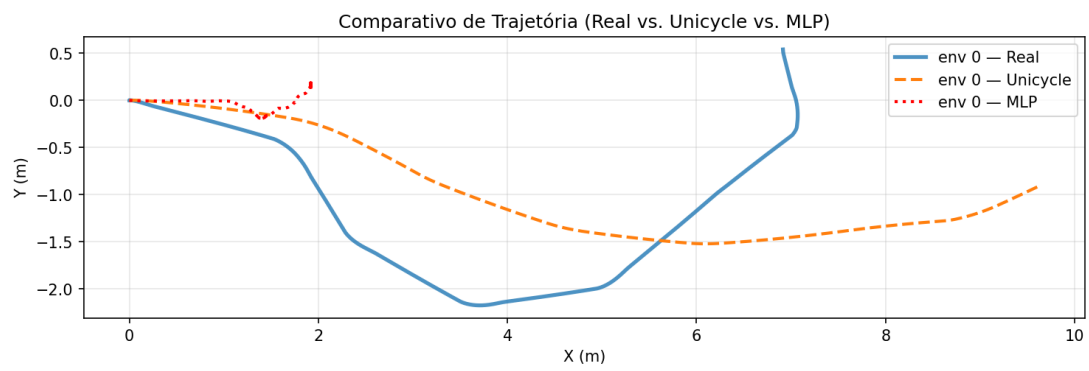
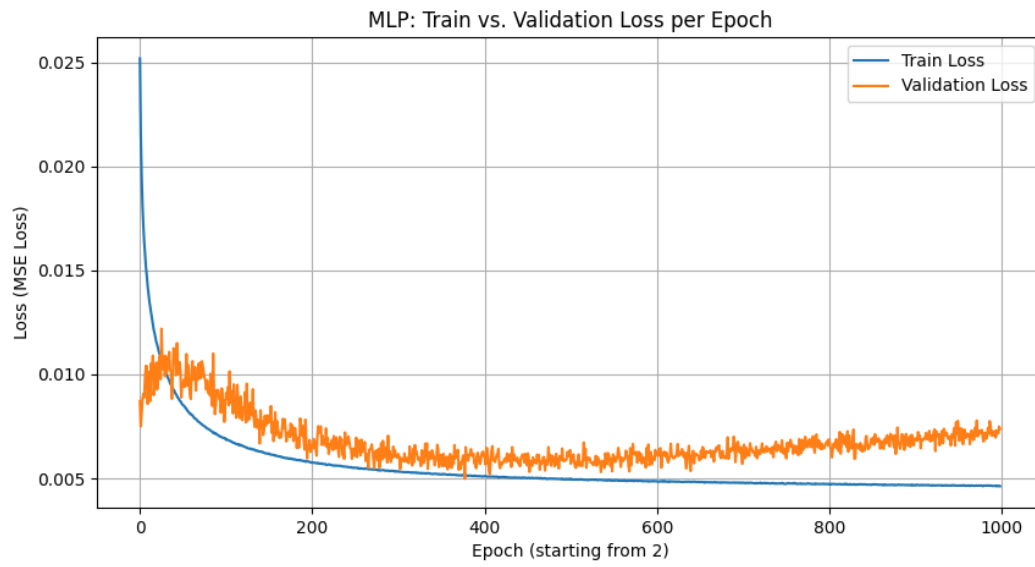


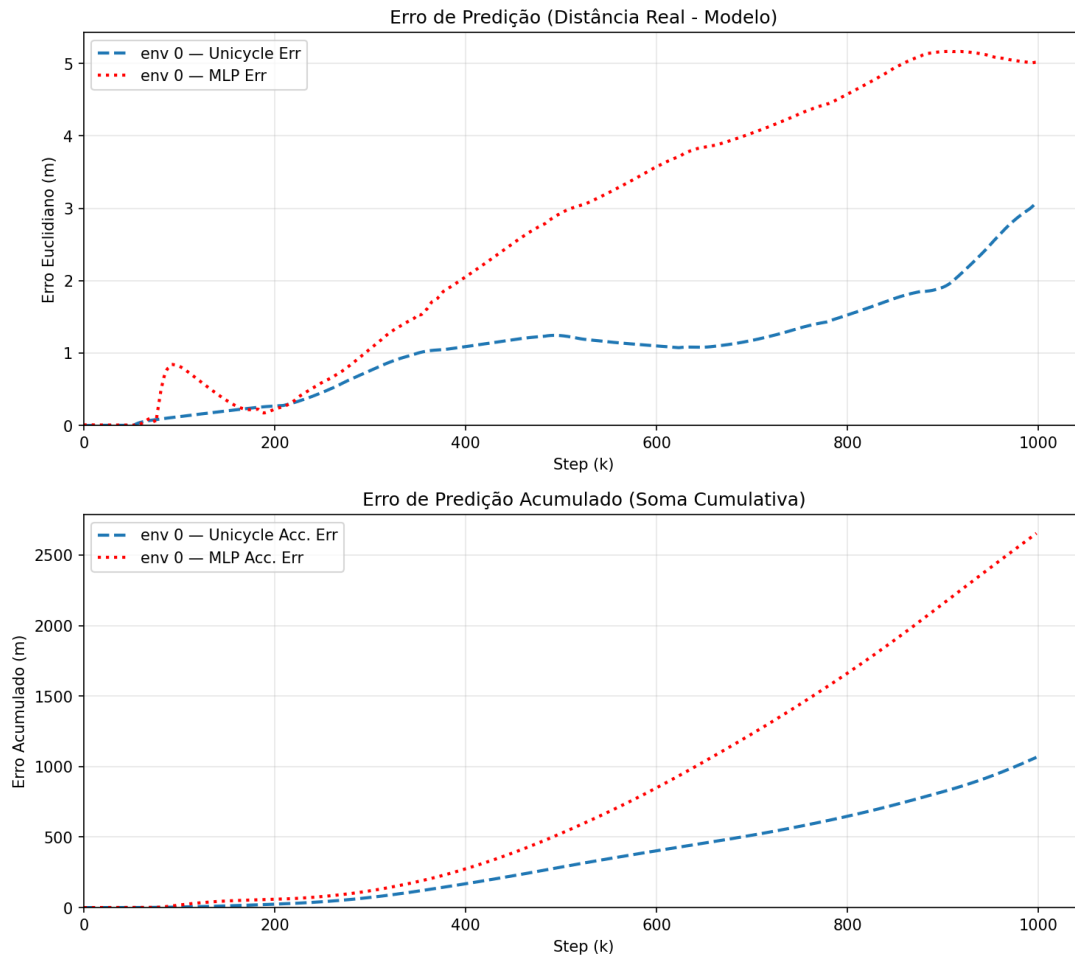


RUN #x

- epoch: 100 (da pra aumentar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.3 (parece melhor sem)
- hidden_layers: [5] → [1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024] → [3]
- train_MSE: 0.004624

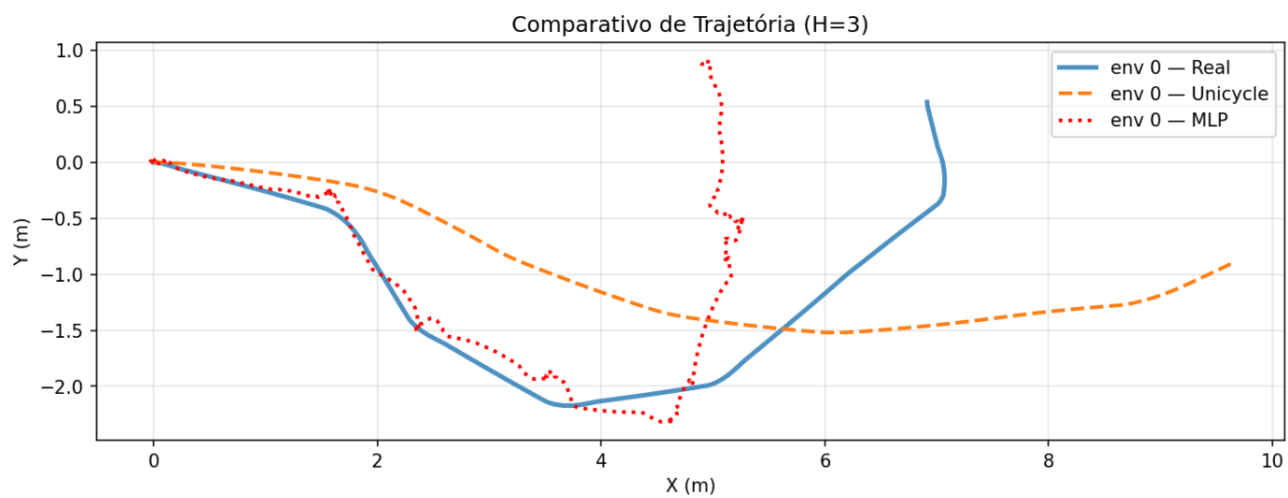
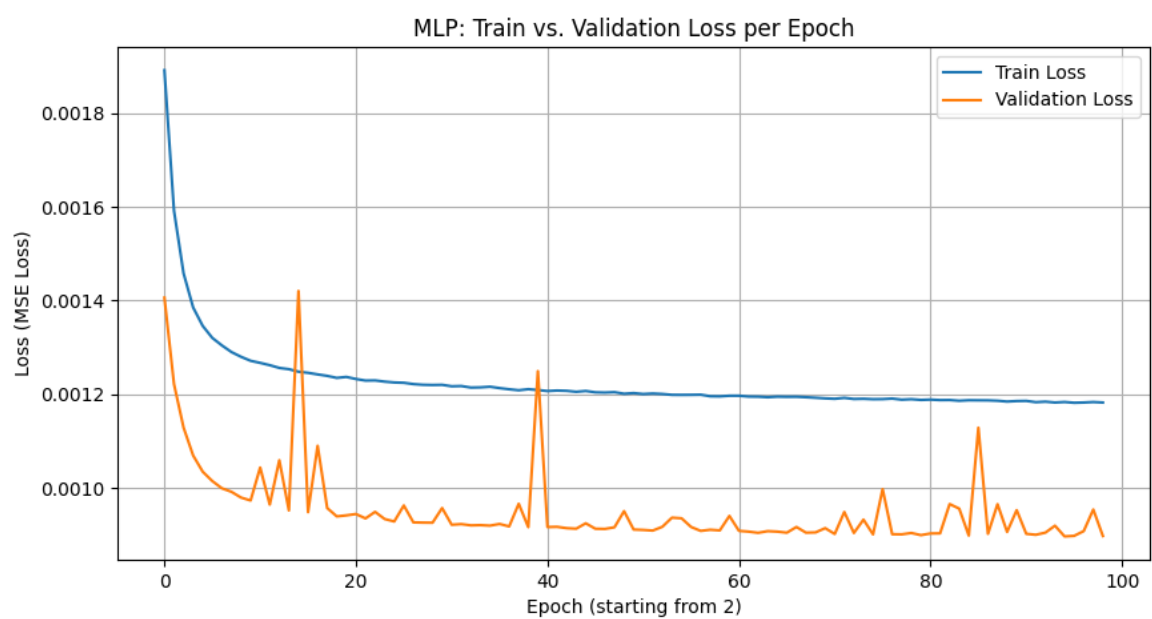
- val_MSE: 0.007374

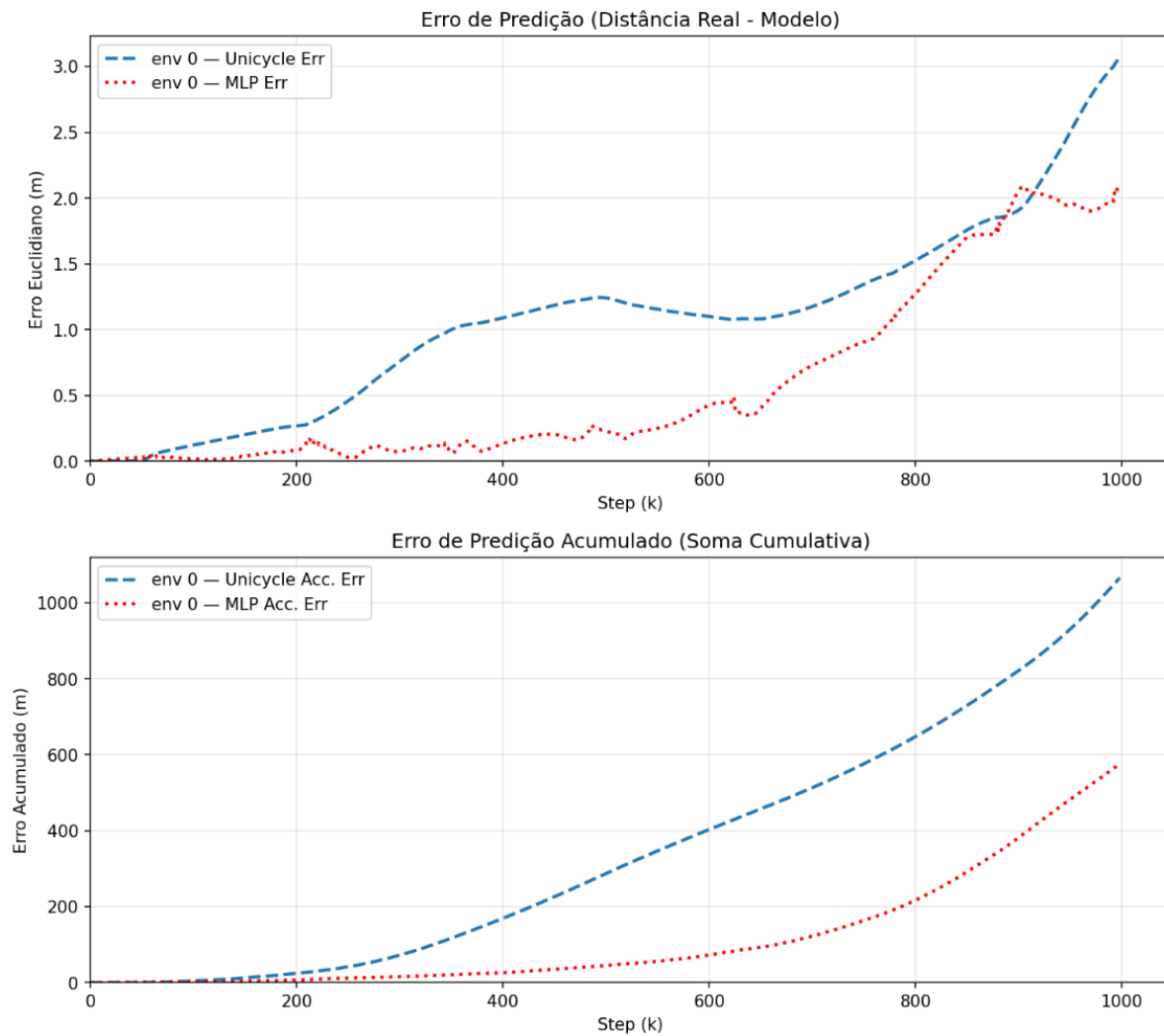




RUN #5

- epoch: 100 (da pra aumentar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.0 (parece melhor sem)
- hidden_layers: [15] → [128, 128, 128, 128] → [3] (colocando 3 estados melhorou a validation)
- train_MSE: 0.001183
- val_MSE: 0.000898



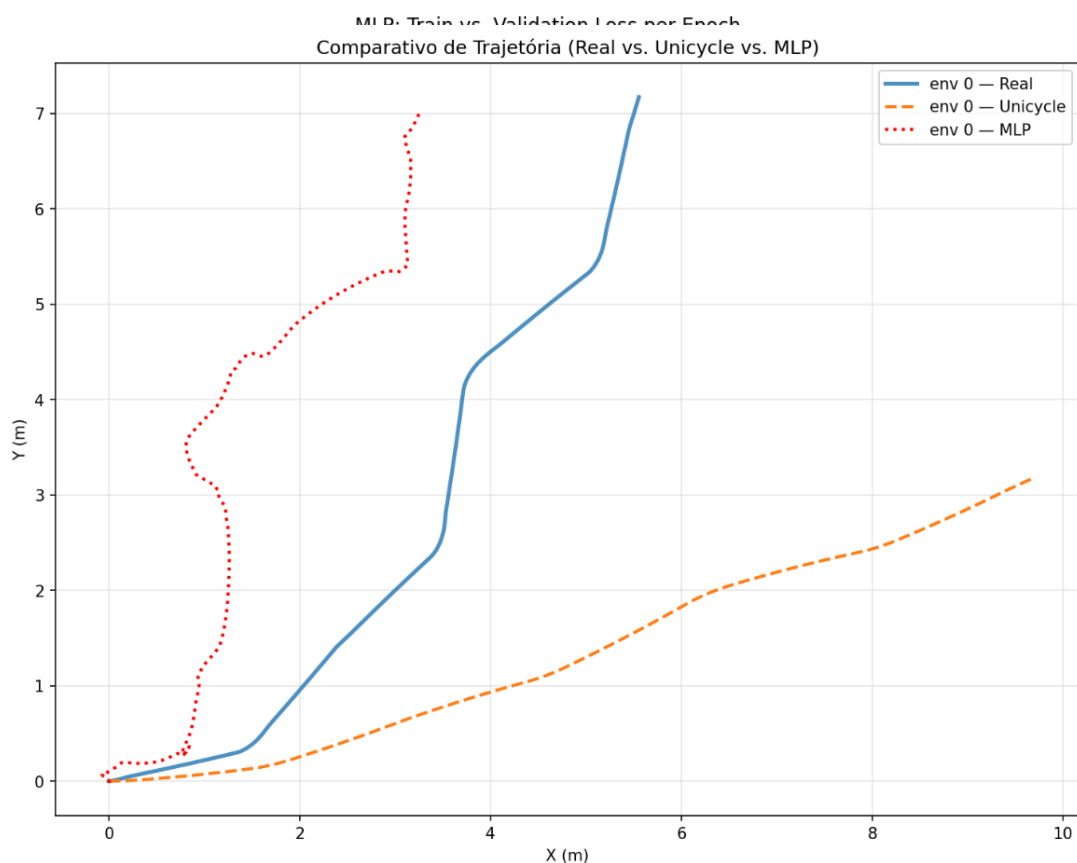


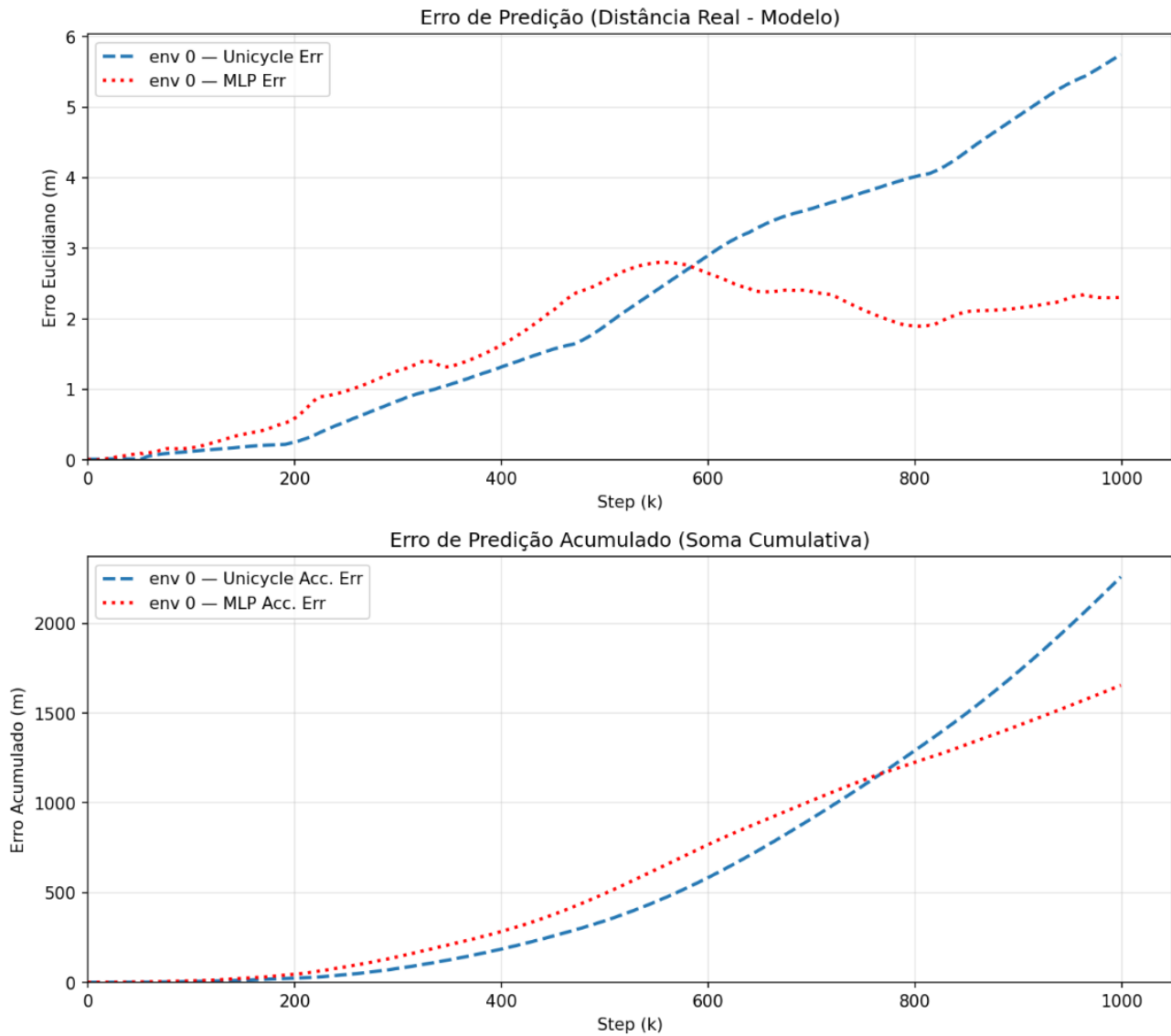
RUN #5

- epoch: 100 (da pra aumentar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.0 (parece melhor sem)
- hidden_layers: [15] → [256, 256, 256, 256, 256] → [3]
(colocando 3 estados melhorou a validation)
- train_MSE: 0.00
- val_MSE: 0.00

RUN #6

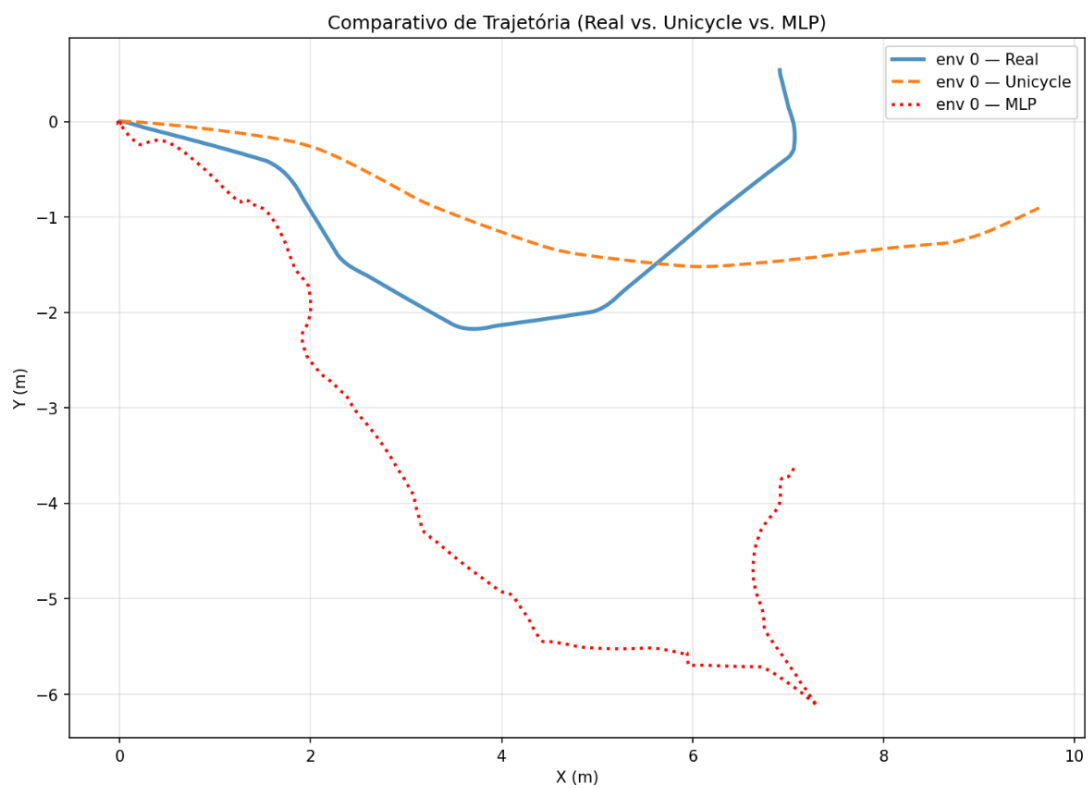
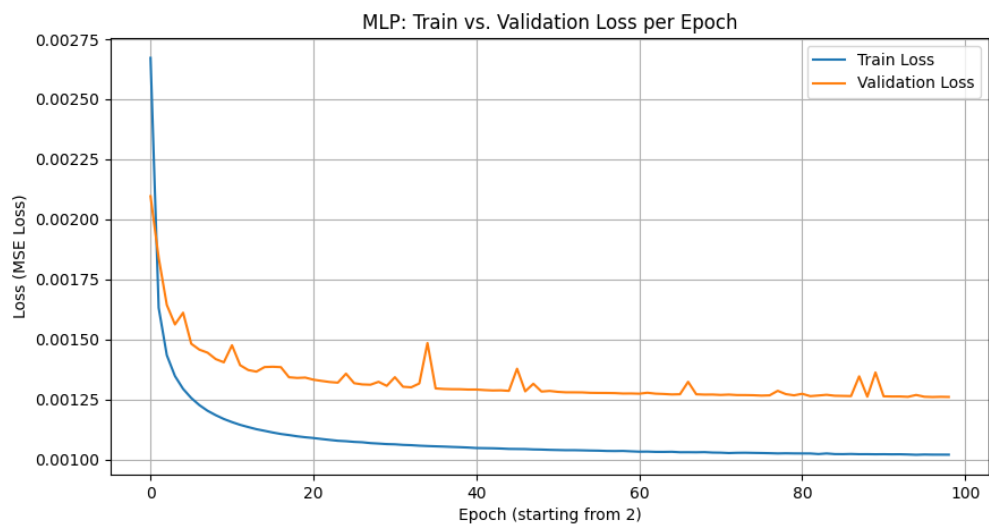
- epoch: 100 (da pra aumentar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.0 (parece melhor sem)
- hidden_layers: [5] → [64, 64, 64] → [3] (piorou em comparação com 128 neurônios)
- train_MSE: 0.001012
- val_MSE: 0.001267

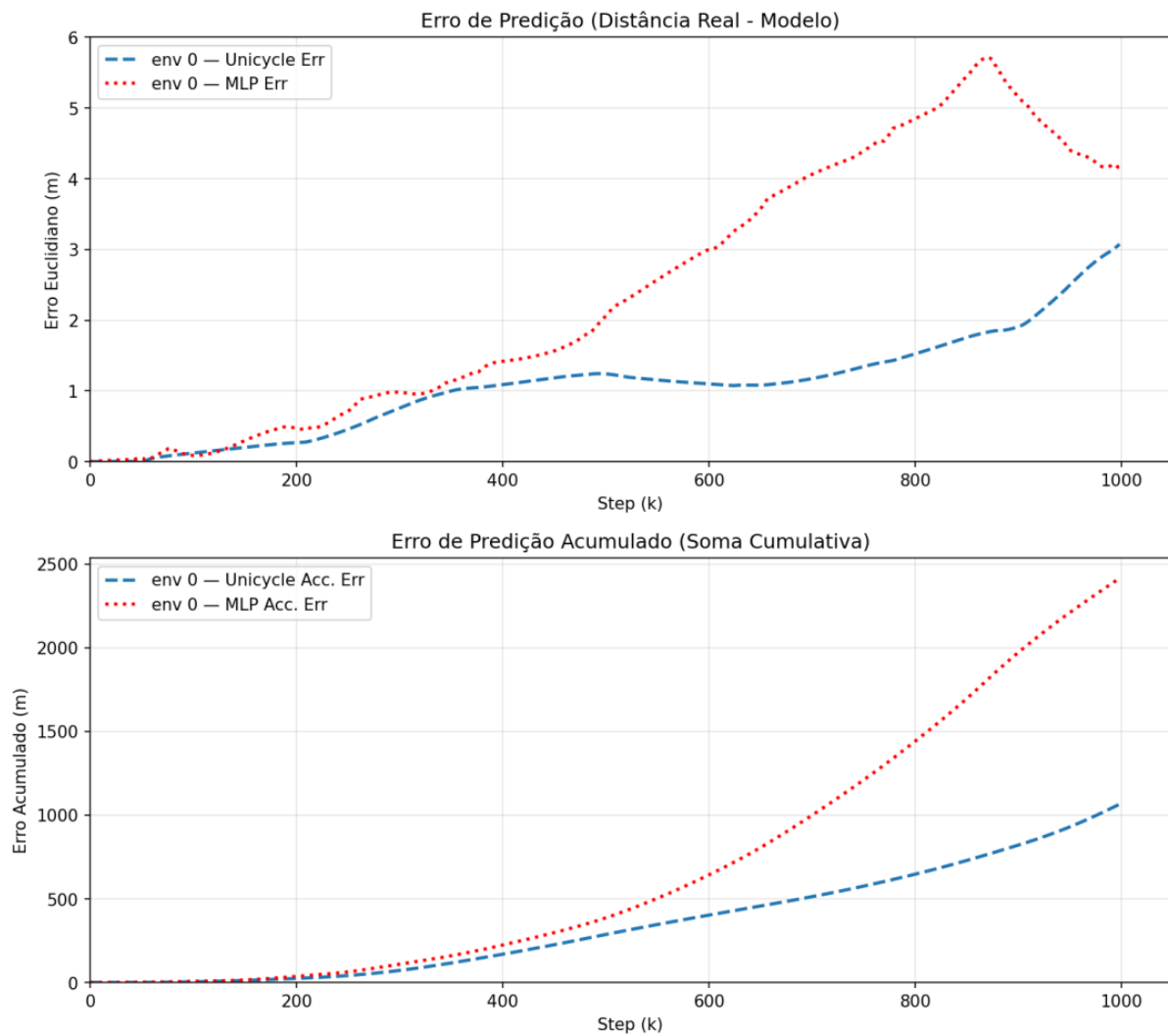




RUN #7

- epoch: 100 (da pra aumentar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.0 (parece melhor sem)
- hidden_layers: [5] → [64, 64, 64, 64] → [3]
- train_MSE: 0.001020
- val_MSE: 0.001260

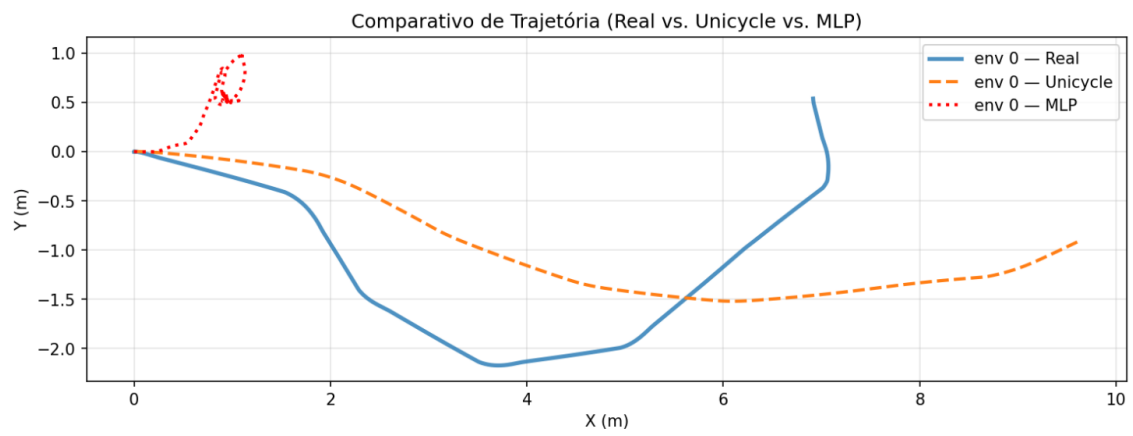
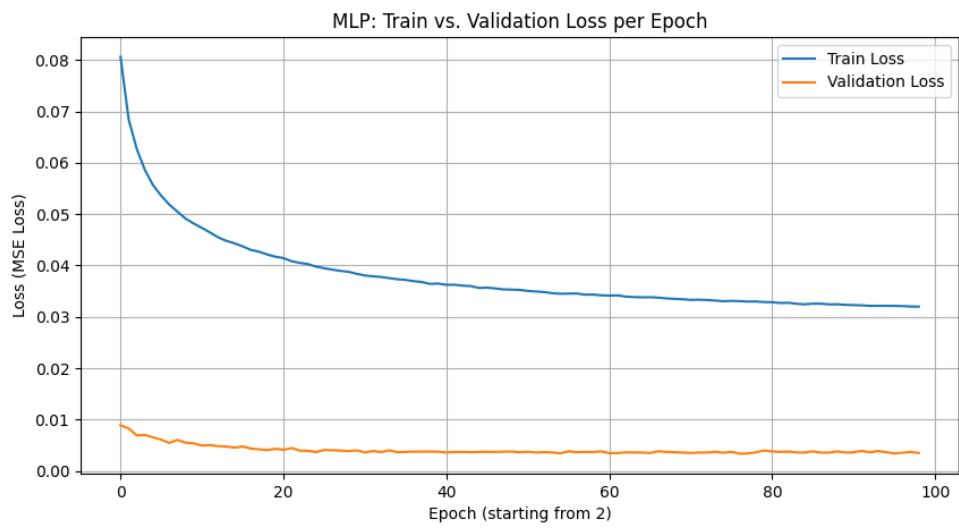


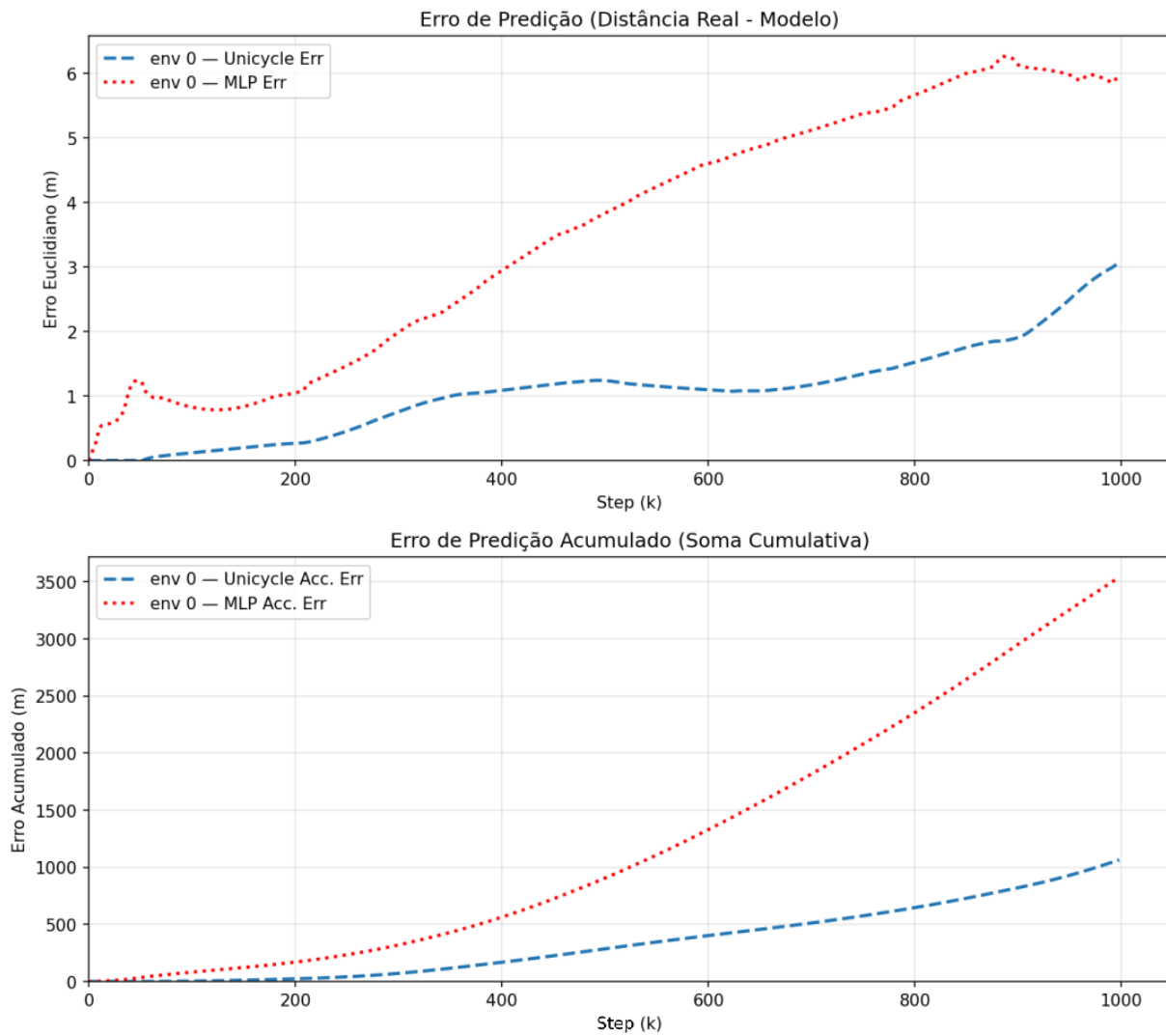


RUN #x

- epoch: 100 (da pra aumentar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.3 (parece foder com tudo)
- hidden_layers: [5] → [128, 128, 128] → [3]
- train_MSE: 0.031998

- val_MSE: 0.003484

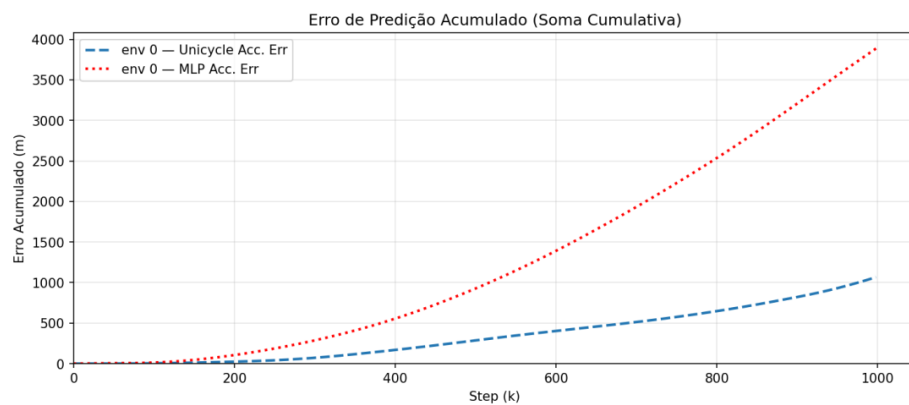
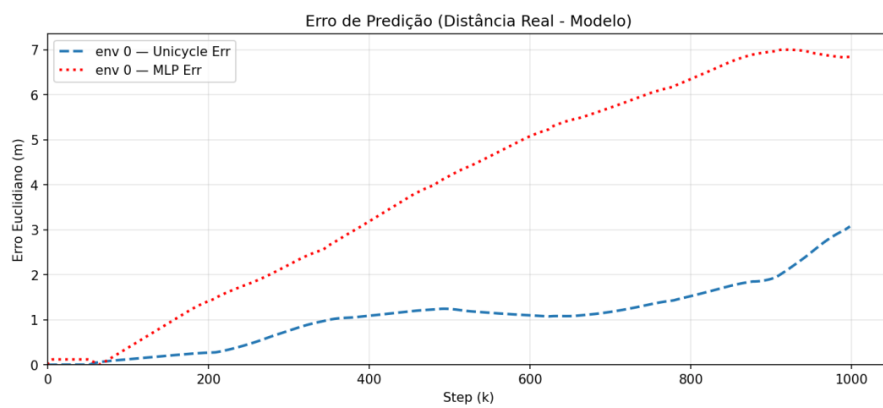
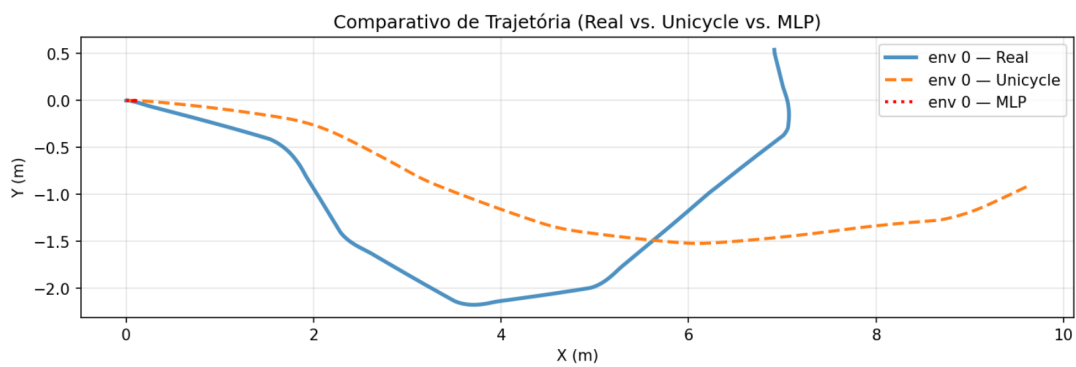
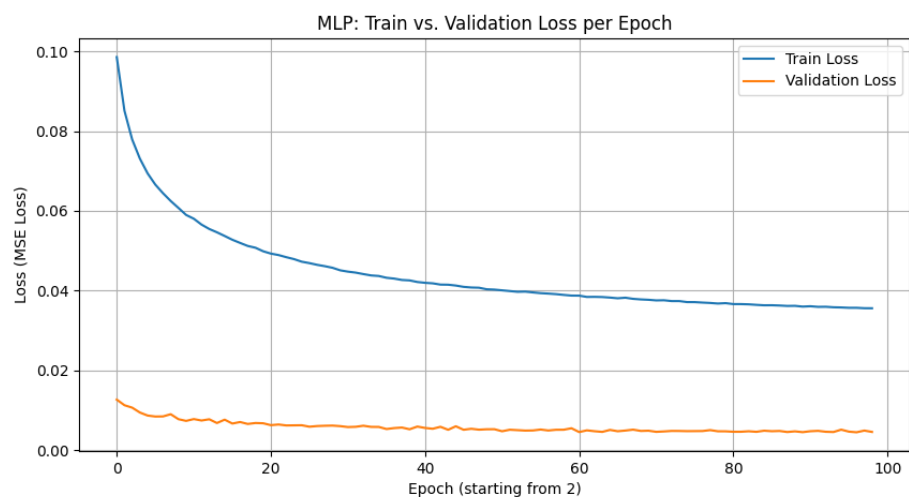




RUN #x

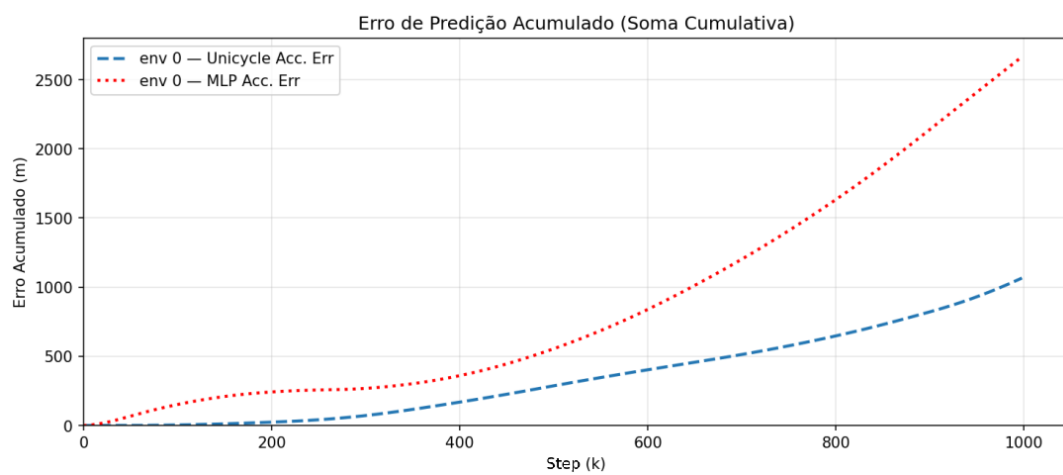
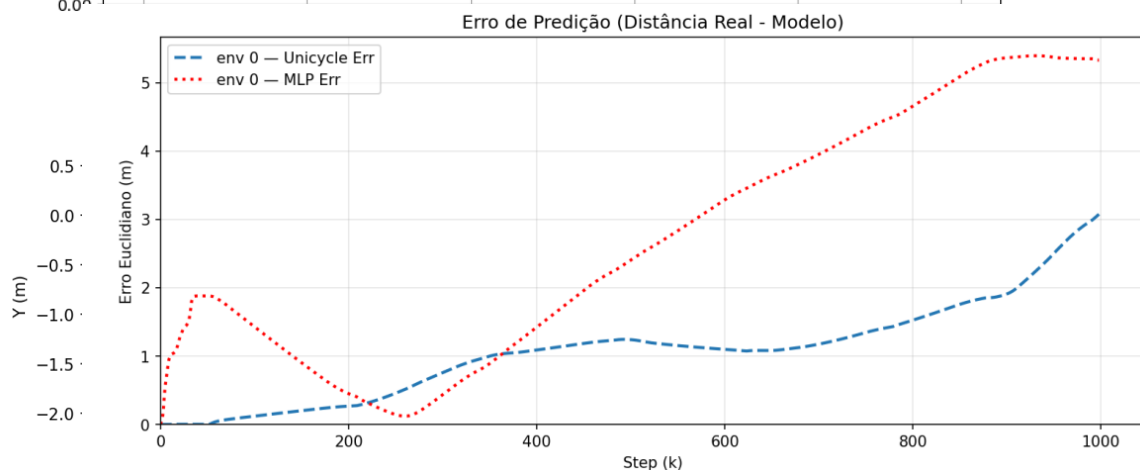
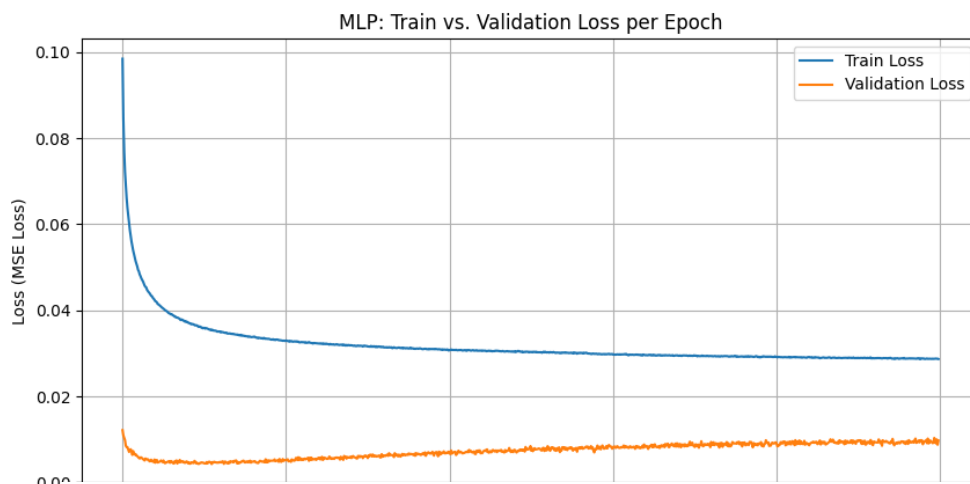
- epoch: 100 (da pra aumentar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.3 (parece foder com tudo)
- hidden_layers: [5] → [128, 128, 128, 128] → [3] (+1 camada parece ter piorado)
- train_MSE: 0.035550

- val_MSE: 0.004525



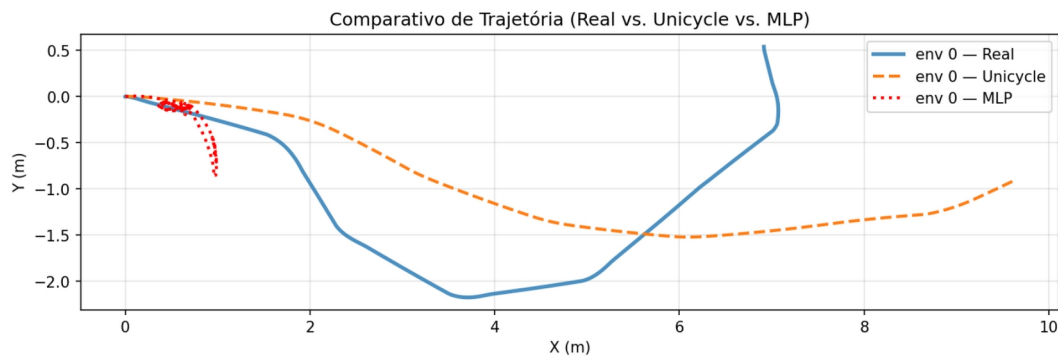
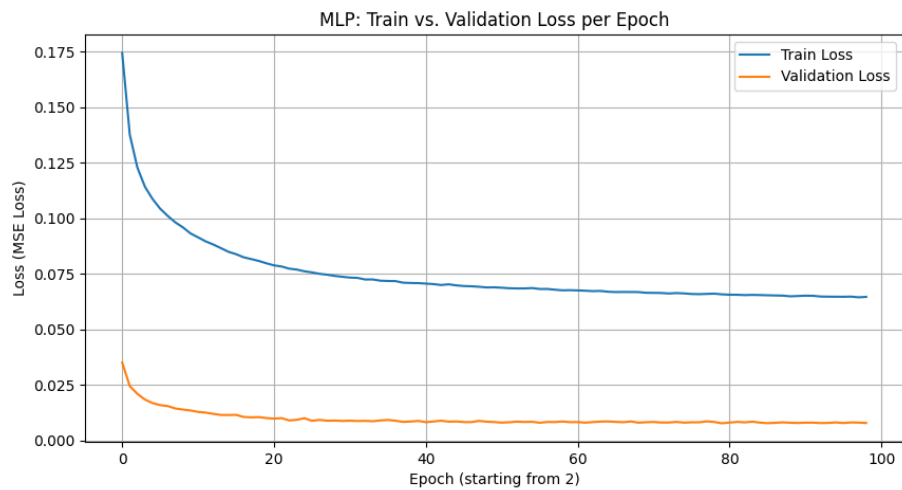
RUN #x

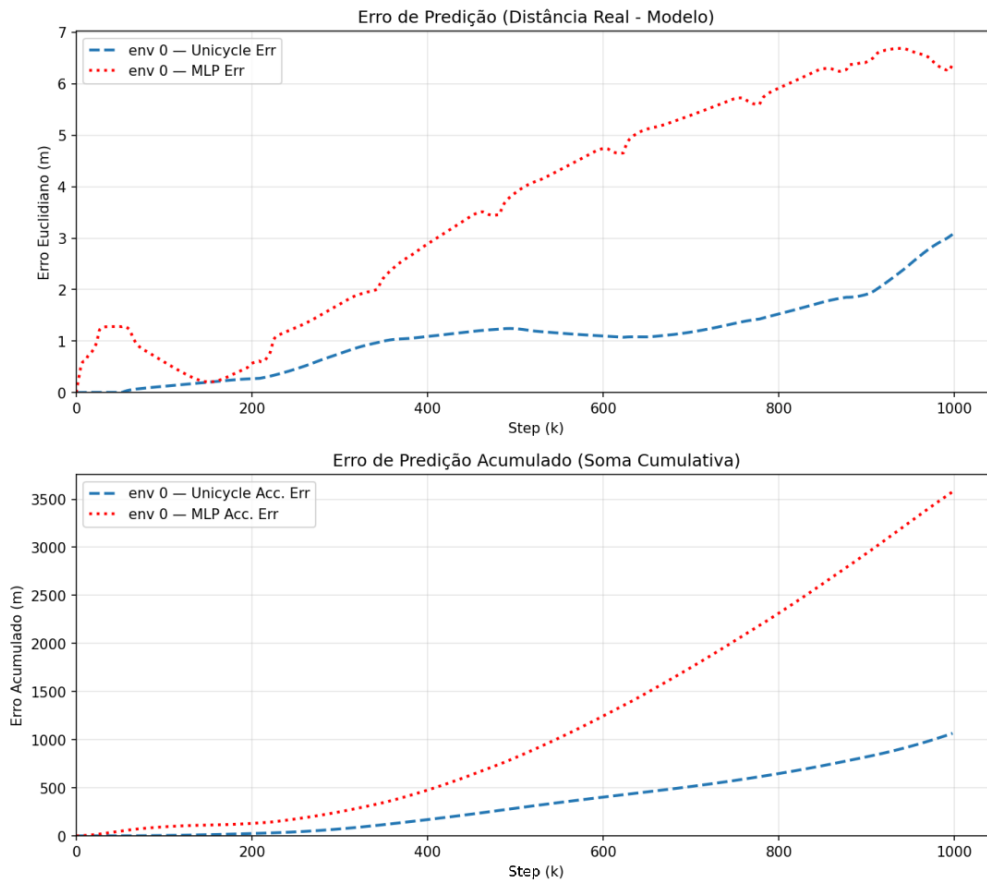
- epoch: 1000 (deixei tempo demais e a validation melhorou e começou a piorar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.3 (parece foder com tudo)
- hidden_layers: [5] → [128, 128, 128, 128] → [3] (+1 camada parece ter piorado)
- train_MSE: 0.028693
- val_MSE: 0.009739



RUN #x

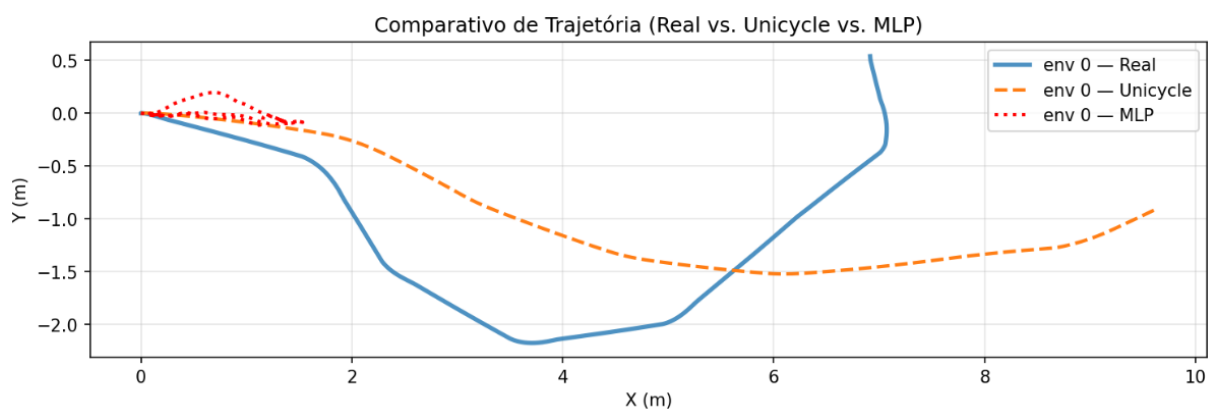
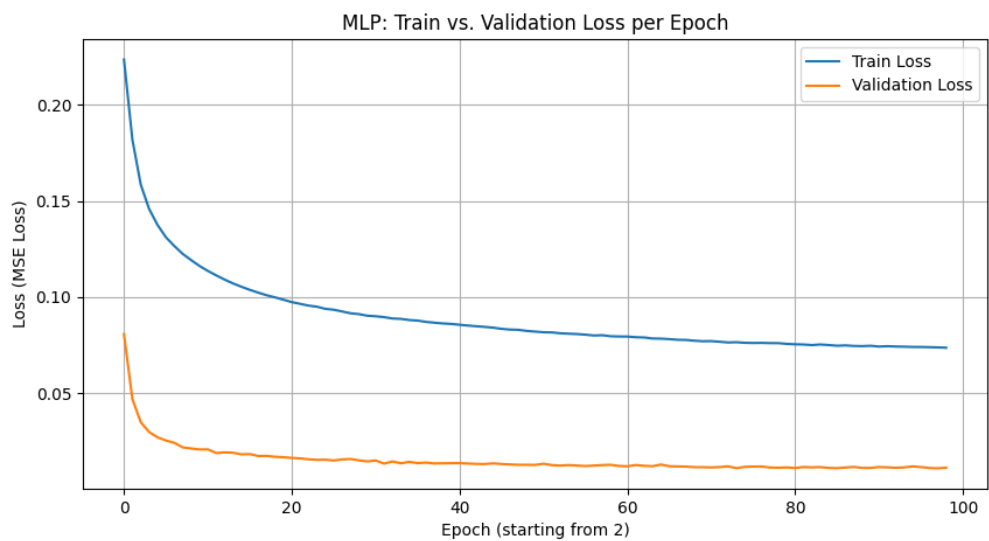
- epoch: 100 (da pra aumentar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.3 (parece foder com tudo)
- hidden_layers: [5] → [64, 64, 64] → [3] (piorou em comparação com 128 neurônios)
- train_MSE: 0.064684
- val_MSE: 0.007977

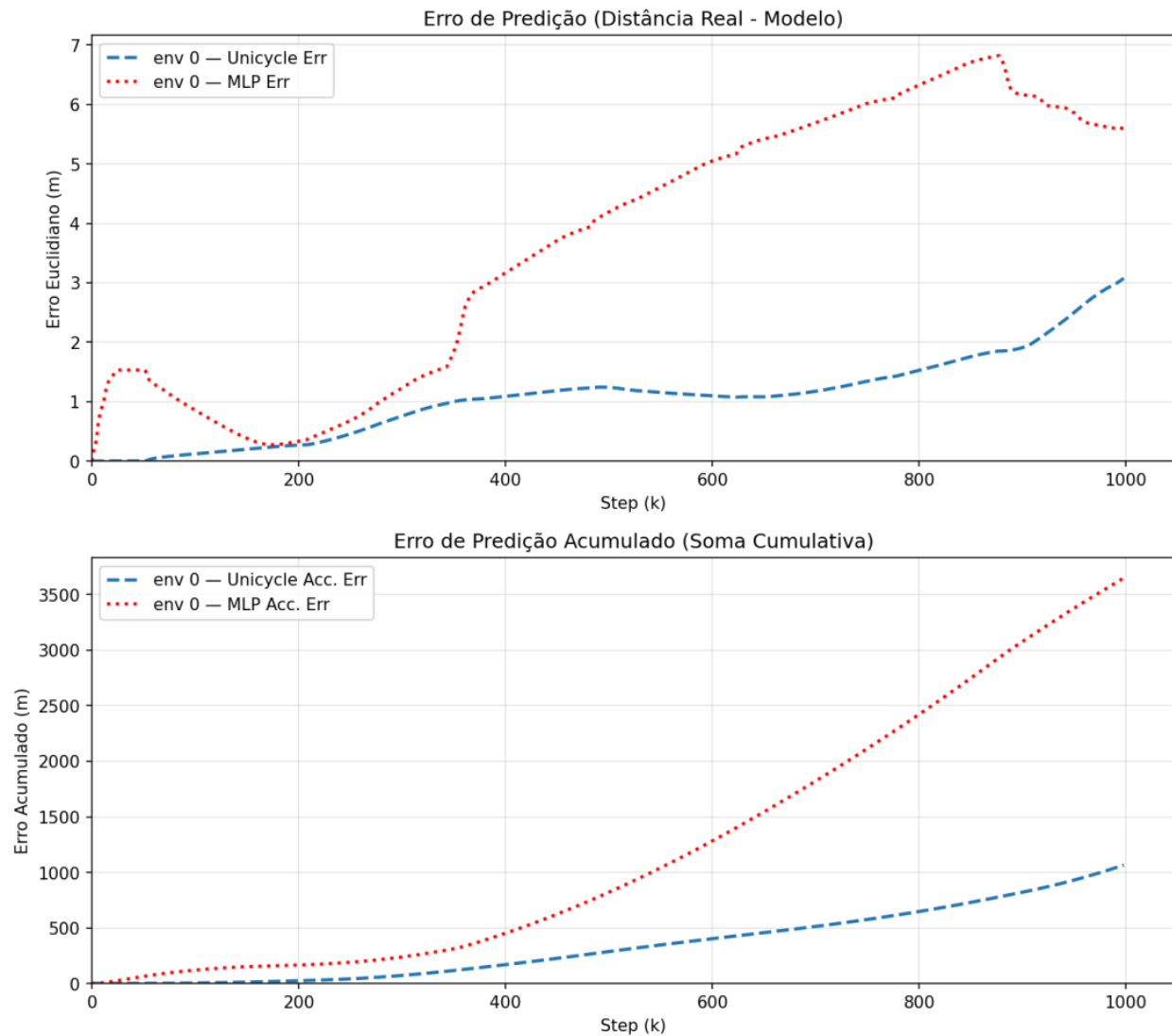




RUN #x

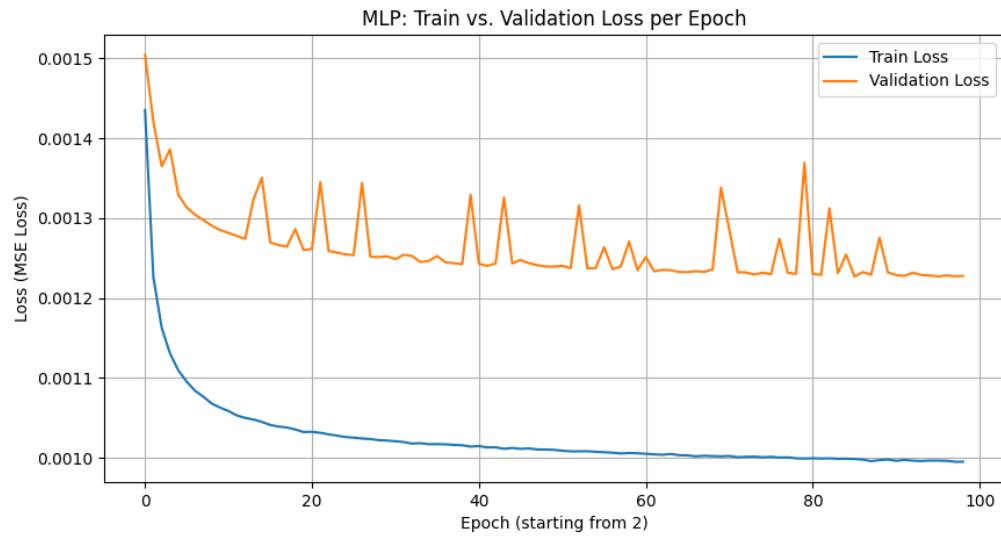
- epoch: 100 (da pra aumentar)
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.3 (parece foder com tudo)
- hidden_layers: [5] → [64, 64, 64, 64] → [3] (+1 camada parece ter piorado)
- train_MSE: 0.073677
- val_MSE: 0.011333





dataset_nmpc_better.csv

- epoch: 100
- batch: 64
- learning_rate: 0.00001
- val_split: 0.3
- p_dropout: 0.0
- hidden_layers: [5] → [128, 128, 128] → [3]



- train_MSE: 0.000995
- val_MSE: 0.001228