Continuum Robot PPO report

Model Name	./model/test_1
Time	2025-04-22 19:17
Model_Type	PPO
seed	1
Timesteps	1000000
Control Mode	1
Device	cuda
Network Arch	[1024, 1024, 512]
Average Error	3.509127838809671
batch	16384
buffer_size	100000
train_freq	4
learning_starts	20000
n_steps	4096
n_epochs	10
learning_rate	0.0003
n_env	24
best_reward	-0.36961742876237197

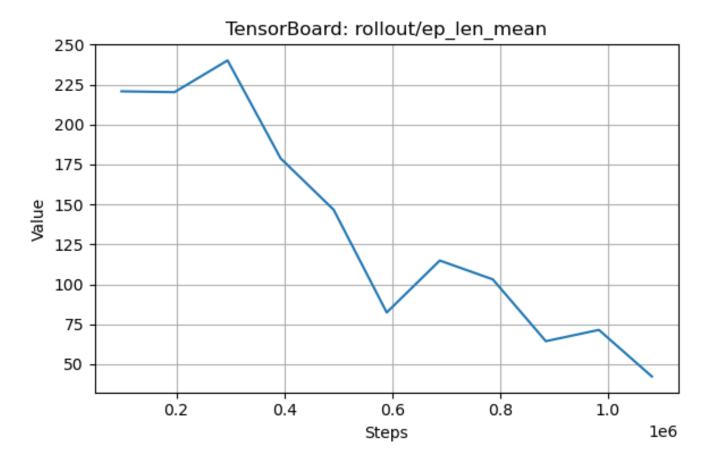
Reward Function Source

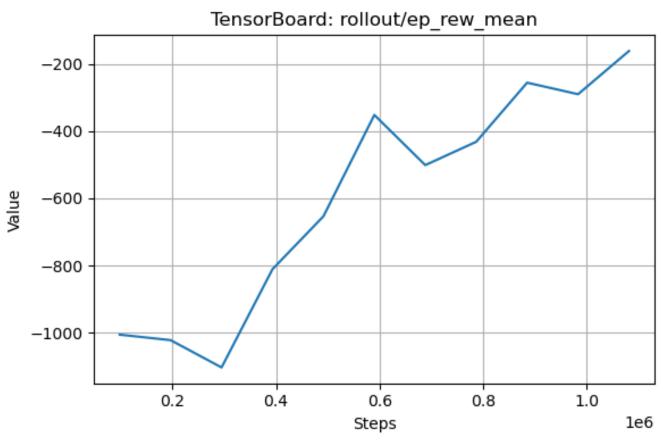
```
def my_custom_reward(distance):
return -distance + np.exp(-distance**2) * 5
```

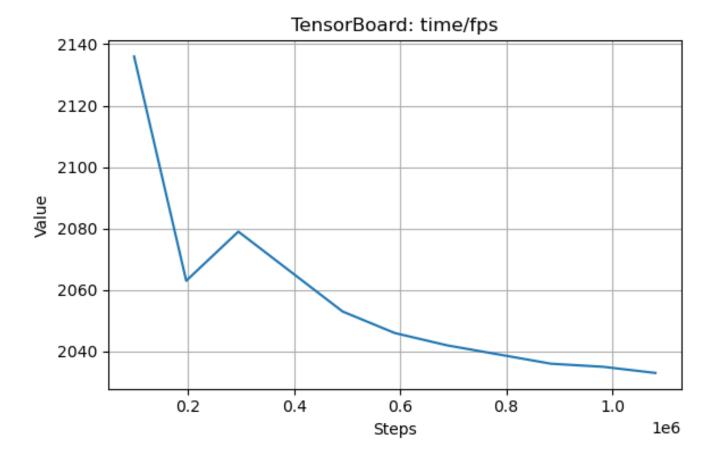
Done Function Source

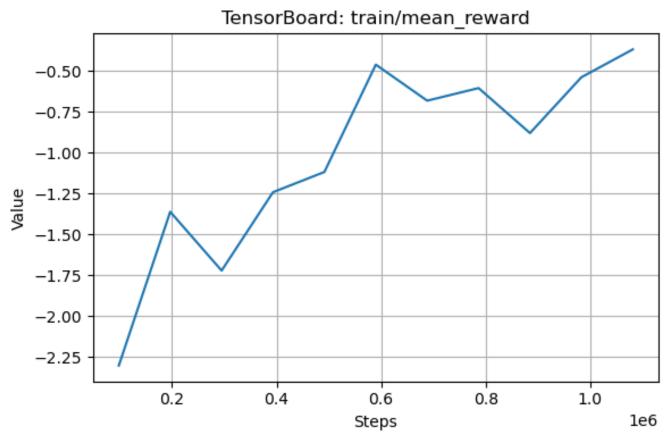
```
def my_custom_done(reward, step,distance,in_step):
return reward>=-0.5
```

Training Reward Curve

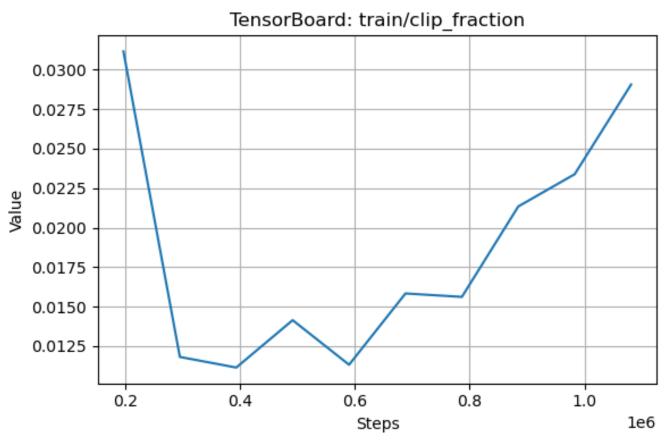




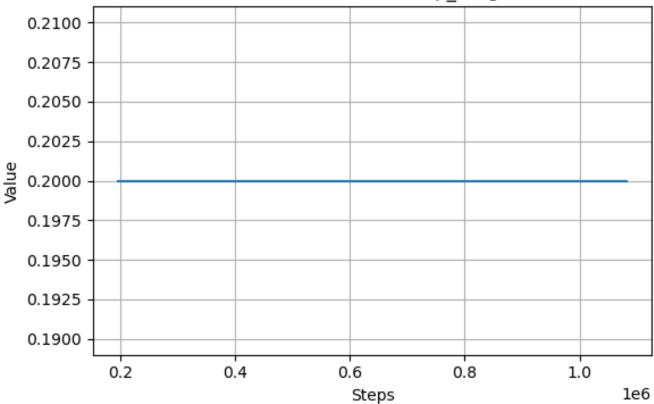




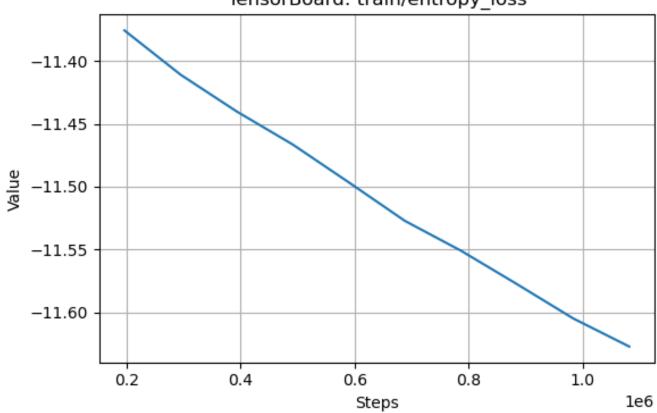


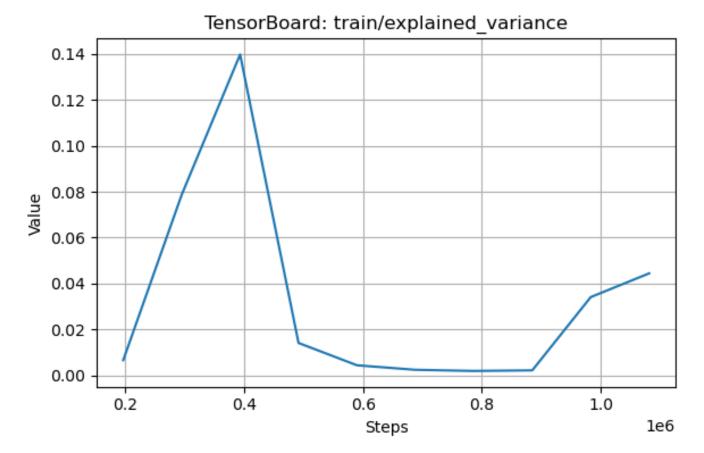


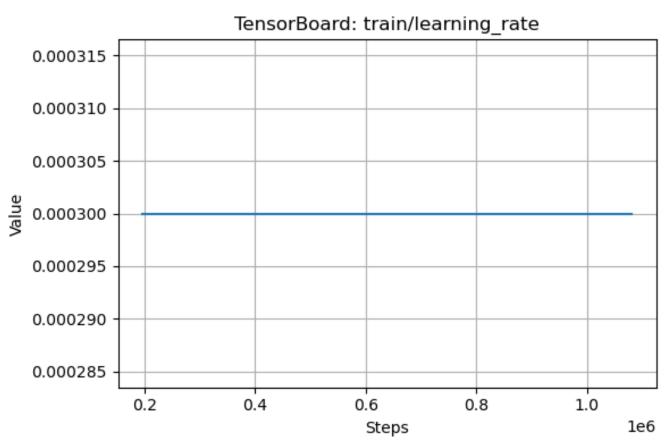












TensorBoard: train/loss

