Continuum Robot PPO report

| Model Name | ./model/reward_f0d5 |
|-----------------|---------------------|
| Time | 2025-04-21 00:14 |
| Model_Type | PPO |
| Timesteps | 22000000 |
| Control Mode | 1 |
| Device | cuda |
| Network Arch | [1024, 1024, 512] |
| Average Error | 0.7132445379193008 |
| batch | 16384 |
| buffer_size | 100 |
| train_freq | 1 |
| learning_starts | 1 |
| n_steps | 2048 |
| n_epochs | 10 |
| learning_rate | 0.0003 |
| n_env | 48 |
| best_value_loss | 0.18904808710018794 |

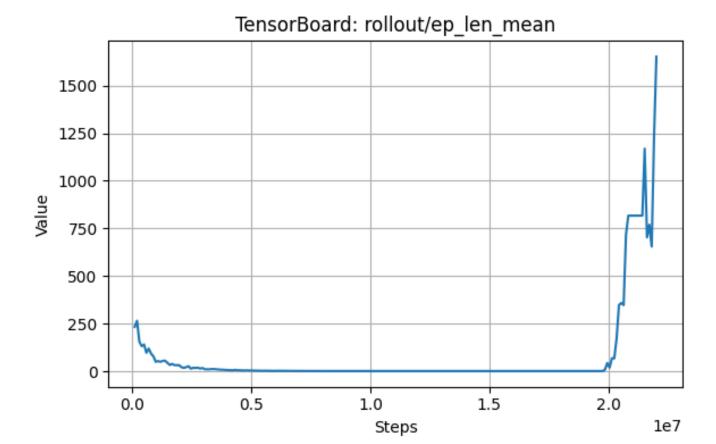
Reward Function Source

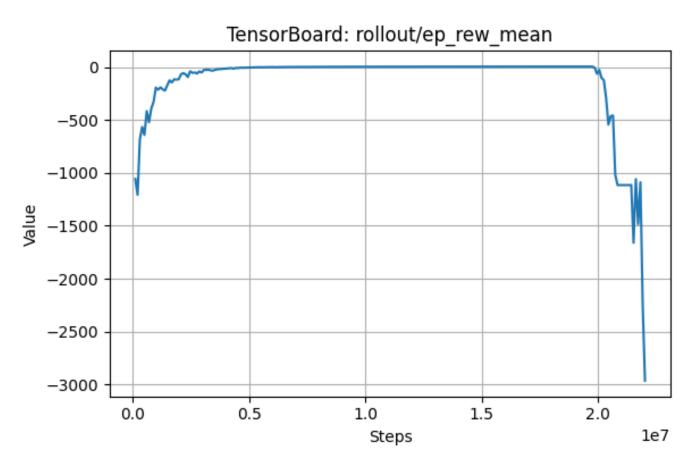
```
def my_custom_reward1(distance):
return -distance + np.exp(-distance**2) * 5
```

Done Function Source

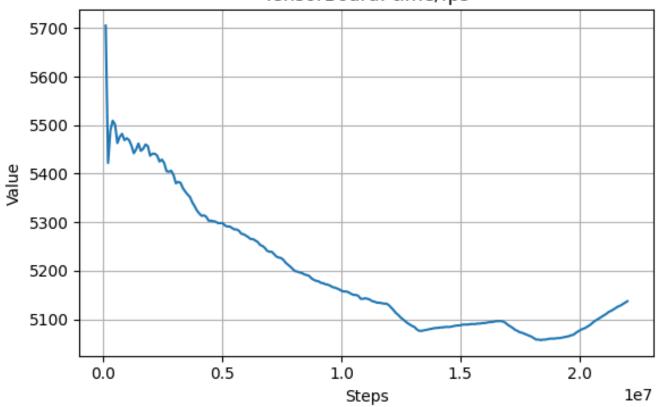
```
def my_custom_done4(reward, step):
return reward>-0.5
```

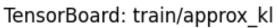
Training Reward Curve

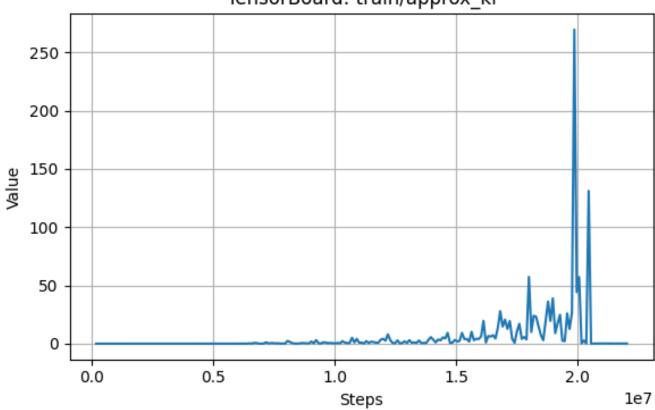




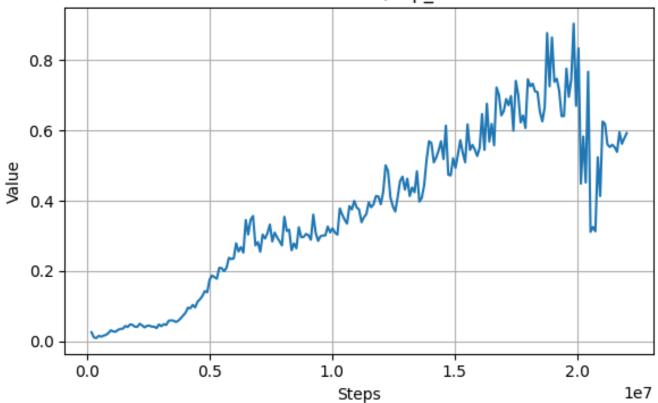




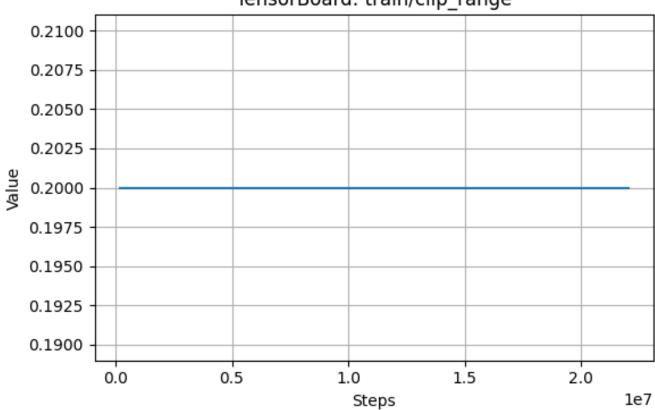


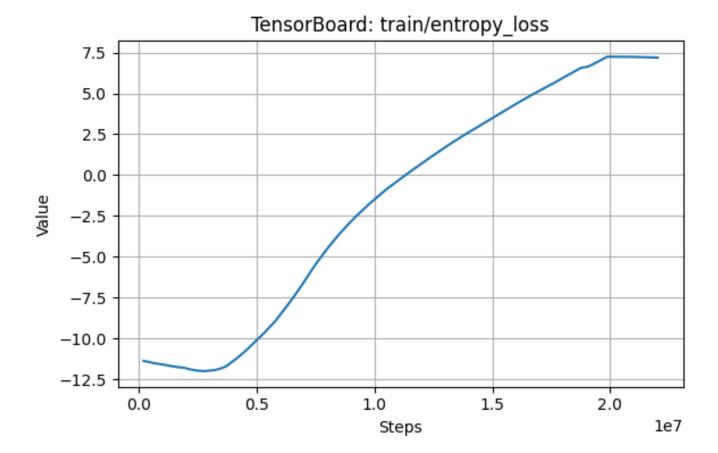


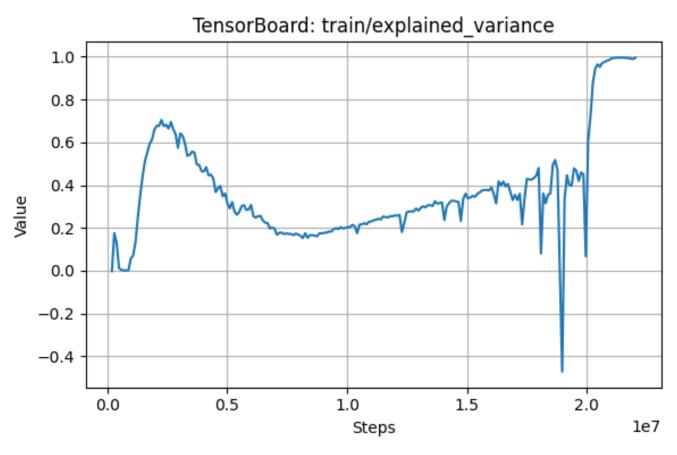


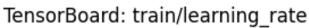


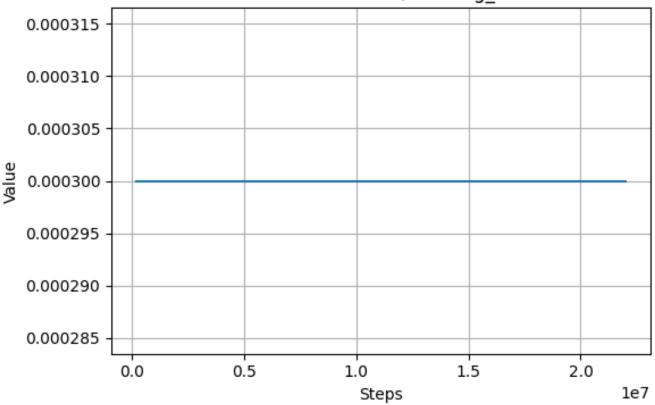


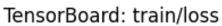


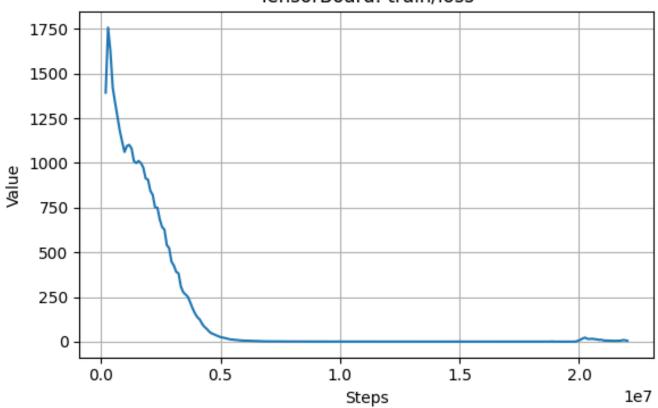




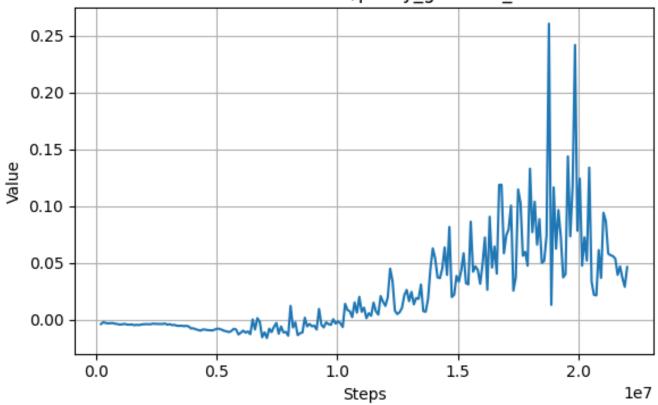








TensorBoard: train/policy_gradient_loss



TensorBoard: train/std

