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Implementation description

Learning Algorithm

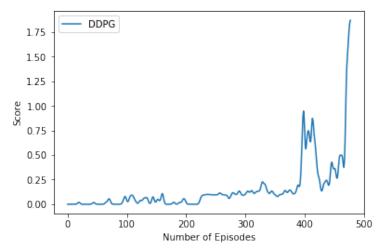
Multi DDPG agent algorithm with replay buffer is used in this project.

Configurations:

- * 2 hidden layers with 64 and 64 hidden units for both actor and critic
- * Replay batch size 128
- * Buffer size 1e7
- * Replay without prioritization
- * Update frequency 1
- * TAU from 1e-2
- * Learning rate 1e-4 for actor and 1e-3 for critic
- * Ornstein-Uhlenbeck noise

Plot of Rewards

Plot of rewards can be seen after the environment has been solved.



Environment solved in 378 episodes.

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Ideas for Future Work

1. Build an agent that finds the best hyperparameters for an agent

- 2. Prioritization for replay buffer
- 3. Parameter space noise for better exploration
- 4. Test dropout for Critic