

Deep Deterministic Policy Gradients - Components and Extensions

Yannik Frisch

Tabea Wilke

Maximilian Gehrke

Group 19 Oleg Arenz



TECHNISCHE
UNIVERSITÄT
DARMSTADT

Deep Deterministic Policy Gradient



TECHNISCHE
UNIVERSITÄT
DARMSTADT

- ▶ Actor-Critic Method
- ▶ Deep Q-Learning
- ▶ Deterministic Policy Gradient





- ▶ D4PG
 - ▶ Importance Weighted Experience Sampling
 - ▶ Utilizing N-Step return
 - ▶ Parallelized Actors
- ▶ Parameter Noise for Exploration
- ▶ Deep Changes