

Foundations of Deep Reinforcement Learning

1st Edition

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When reviewing corrections, always check the print number of your book. Corrections are made to printed books with each subsequent printing.

Corrections for Second Printing

Location	Error	Correction
Ch.1, pg. 15	In 2016, researchers from DeepMind developed AlphaZero, which combined MCTS with learning V^π and a policy π to master the game of Go [127].	In 2016, researchers from DeepMind developed AlphaGo, which combined MCTS with learning V^π and a policy π to master the game of Go [125].
Ch.3, pg. 67	Bottom of the page, Algorithm 3.1, line 13: $13: \quad \theta = \theta - \alpha \nabla_{\theta} J(\theta)$ $\theta = \theta - \alpha * \text{nabla}_{\theta} * J(\theta)$	Should read: $\theta = \theta - \alpha * \text{nabla}_{\theta} * L(\theta)$

App.A, pg. 344	2017 Dec: AlphaZer [126]	2017 Dec: AlphaZero [126]
App.B, B.1.1, pg. 347	5. Termination: When the pole falls over (12 degrees from vertical) . . .	5. Termination: When the pole falls over (> 15 degrees from vertical) . . .
App.B, B.1.3, pg. 347	1. Objective: Land the lander without crashing fuel.	1. Objective: Land the lander without crashing and conserve fuel.
App.B, B.1.3, pg. 348	4. Reward: -100 for crashing, -0.3 per time step when firing main engine, +100 to +140 for landing, +10 for each leg ground contact.	4. Reward: -100 for crashing, +100 for landing. -0.3 per time step when firing main engine, +100 to +140 for landing between the flags (landing pad) with zero speed, +10 for each leg ground contact.

Corrections for First Printing

Location	Error	Correction
Page 297, Part 4, section 14.3, second paragraph	A typical frame of downsized and grayscaled image is 7kB, so 10 million frames will contain 10 million \times 7kB, which is 7GB in total.	A typical frame of downsized and grayscaled image is 7kB, so 10 million frames will contain 10 million \times 7kB, which is 70GB in total.

This errata sheet is intended to provide updated technical information. Spelling and grammar misprints are updated during the reprint process, but are not listed on this errata sheet.