AerialWildfireSuppression Train & Test Metrics: Difficulty: 8, Task: 8 Entropy Water Drop Water Pickup **Preparing Trees Extinguishing Trees Reward Preparing Trees Reward** 0.05 -0.05 0.05 -0.05 0.05 source source source source source — training training training training training Value Value Value Value 0.00 0.00 0.00 0.00 0.00 test — test test — test — test -0.05 -0.05-0.05-0.05-0.051.5 1.5 1.5 0.0 0.5 0.5 1.5 1.0 0.5 1.5 0.5 1.0 1.5 0.0 1.0 0.0 1.0 0.0 0.5 1.0 0.0 0.5 0.0 1.0 1e6 1e6 1e6 1e6 1e6 1e6 Step Step Step Step Step Step **Extinguishing Trees** Fire too Close to City Fire Out Crash Count Extrinsic Value Estimate Episode Length 0.05 0.05 0.05 25 source source source source training training training 0.00 source 0.00 0.00 test test test training training test test -0.05-0.05 --0.05 0.0 -0.5 1.0 1.5 0.0 1.5 0.5 1.5 0.0 0.5 1.5 0.0 1.0 1.5 0.0 1.5 0.0 1.0 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Cumulative Reward Extrinsic Reward Policy Loss Value Loss Learning Rate Epsilon 0.20 100 100 1000 source source \alpha \cdot training training Value 0.04 -Value Nalue - 0.15 source 500 test training training test -100 -100 0.0000 0.02 1.5 0.0 0.0 0.5 1.5 0.0 0.0 0.5 1.0 1.5 0.5 1.0 1.5 0.0 1.0 1.0 0.5 1.5 0.0 1e6 1e6 1e6 1e6 1e6 Step 1e6 Step Step Step Step Step Beta source 0.004 training 8 0.002 · test 0.000

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