AerialWildfireSuppression Train & Test Metrics: Difficulty: 3, Task: 7 Entropy Water Drop Water Pickup **Preparing Trees Extinguishing Trees Reward Preparing Trees Reward** 0.05 -0.05 0.05 -0.05 0.05 2.00 source source source source source — training training training --- training training Value Value Value Value 0.00 0.00 0.00 0.00 test — test test — test — test 1.50 -0.05-0.05-0.05-0.051.5 1.5 1.5 0.5 1.5 1.0 0.5 1.5 0.0 0.5 1.0 1.5 0.0 1.0 0.0 0.5 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 Episode Length Extrinsic Value Estimate 100 0.05 0.05 0.05 source source source source source Φ 2000 training training training training 0.00 source 0.00 0.00 test test test training test -0.05 --0.05 -0.050.0 1.0 1.5 0.0 1.5 0.5 1.5 0.0 1.5 0.0 1.0 1.5 0.0 0.5 1.5 0.0 0.5 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 0.06 source source source 0.0002 training training Value Value Nalue 1000 Nalue - 0.15 source 0.05 test - training training test test test 0.04 -100-100 0.0000 0.5 1.5 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 0.5 1.0 1.5 0.5 1.5 0.0 1e6 1e6 1e6 1e6 1e6 Step Step Step Step Step 1e6 Step Beta source 0.004 training 8 0.002 test

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