AerialWildfireSuppression Train & Test Metrics: Difficulty: 6, Task: 5 Entropy Water Drop Water Pickup **Preparing Trees Extinguishing Trees Reward Preparing Trees Reward** 1.000 -0.05 0.05 -0.05 0.05 source source source source source source — training training training training training training Value 0.975 -Value Value Value 0.00 0.00 0.00 — test — test test — test — test 0.950 --0.05-0.05-0.05-0.051.5 0.0 0.5 1.5 1.5 1.5 0.5 1.0 0.5 1.5 0.0 0.5 1.0 1.5 0.0 1.0 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 Out Fire too Close to City Crash Count Episode Length Extrinsic Value Estimate 0.05 0.05 0.05 source source source source 250 source 0.02 training training training training training 0.00 source <u>¬</u> 200 0.00 0.00 를 20 · test test test test training test 150 -0.05 --0.05 0.00 -0.051.5 1.0 1.5 0.0 1.5 0.5 1.5 0.0 0.5 0.0 0.0 0.5 1.5 0.0 1.5 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 95 source source 400 <u>v</u> 0.0002 training training - 002 Value Value 00 Value - 50.0 -Nalue - 0.15 -Value 06 source source source test test training training training training test test test 0.04 0.0000 0.0 0.5 1.0 1.5 0.0 0.5 1.5 0.5 1.5 0.0 0.5 1.5 0.0 0.5 1.0 1.5 0.5 1.0 1.5 1.0 1.0 1.0 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 0.5 1.0 1.5 0.0

Step

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