AerialWildfireSuppression Train & Test Metrics: Difficulty: 1, 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 0.0 0.5 1.0 0.5 1.5 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 Minder of the second se source source source source source 300 training training training training training 0.00 0.01 × Value 700 source 0.00 0.00 test test test test training test -0.05 --0.05 0.00 --0.050.0 1.5 1.0 1.5 0.0 1.5 0.0 0.5 1.5 0.0 0.5 1.0 1.5 0.5 1.5 0.0 1.0 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** 0.06 0.20 95.0 source source 0.0002 training training 92.5 -92.5 -Value - 50.0 <u>an</u> 200 -Nalue - 0.15 source source source test test training training training 90.0 test 90.0 test test 0.04 0.0000 0.0 0.5 1.0 1.5 0.0 0.5 1.5 0.0 0.5 1.5 0.0 1.5 0.5 1.0 1.5 0.5 1.0 1.5 1.0 1.0 0.5 1.0 0.0 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 1.0 0.5 1.5

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