## AerialWildfireSuppression Train & Test Metrics: Difficulty: 9, 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 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 test -0.05-0.05 -0.05-0.051.5 1.5 1.5 0.5 0.5 1.5 1.0 0.5 1.5 0.0 0.5 1.0 1.5 0.0 1.0 0.0 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 0.05 0.05 0.05 source source source source source training ₫ 2000 — training training training training 0.00 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 1.0 0.0 0.5 1.5 0.0 0.5 1.5 1.0 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Step 1e6 Cumulative Reward Extrinsic Reward Policy Loss Learning Rate **Epsilon** Value Loss 0.06 0.20 source source 2000 100 100 <u>v</u> 0.0002 training 9 1000 N training Value Value -Nalue - 0.15 source source test training 0.04 test test -100 -1000.0000 0.5 1.0 1.5 0.0 0.5 1.5 0.0 1.5 0.0 0.0 0.5 1.0 1.5 0.5 1.0 1.5 0.0 0.5 1.5 0.0 1e6 1e6 1e6 1e6 Step Step Step Step 1e6 Step 1e6 Step Beta source 0.004 8 0.002 · training test

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