## AerialWildfireSuppression Train & Test Metrics: Difficulty: 7, 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 training --- training training --- training training Value Value -Value Value source 0.00 0.00 0.00 test — test test — test — test training 0.950 test -0.05-0.05-0.051.5 0.0 0.5 1.5 1.0 1.5 0.0 0.0 0.5 1.5 0.0 0.5 1.5 0.5 1.0 1.5 1.0 1.0 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 0.05 300 ability of the second and the second of the source source source source 40 training training training training 0.00 0.01 × Value 200 source source 0.00 0.00 test test training training test test -0.05 --0.05 -0.051.5 1.5 1.0 1.5 0.0 1.5 0.0 0.5 1.5 0.0 0.5 1.0 1.5 0.0 0.5 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 0.06 95.0 95.0 source source <u>υ</u> 0.0002 training training Value - 50.0 -- 000 Alue Nalue - 0.15 source source source ਭੂ 92.5 · 92.5 test test training training training 0.04 - test test test 90.0 90.0 0.0000 0.5 1.0 1.5 0.0 0.5 1.5 0.0 1.0 1.5 0.0 0.5 1.5 0.5 1.0 1.5 0.5 1.0 1.5 0.0 1.0 1.0 0.0 0.0 1e6 1e6 1e6 1e6 1e6 Step Step Step Step Step 1e6 Step Beta source 0.004 8 0.002 · training test 0.000

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