## AerialWildfireSuppression Train & Test Metrics: Difficulty: 7, Task: 8 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 0.0 0.5 0.5 1.5 1.0 0.5 1.5 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 A.M. serres As A training training training 0.00 training source 0.00 0.00 test test test training test -0.05 --0.05 -0.051.0 1.5 0.0 1.5 0.5 1.5 1.5 0.0 1.0 1.5 0.0 1.5 0.0 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 source 100 source 0.06 source source source <u>υ</u> 0.0002 training training training Value Nalue - 0.15 -Value Value source 500 test training test -100 --1000.0000 1.5 0.0 0.0 1.0 1.5 0.0 0.0 0.5 1.0 1.5 0.5 1.0 1.5 0.0 1.0 0.5 0.5 1.5 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 0.5 1.0 1.5

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