

Experiment Report

Start of automated test report 2024-08-23 12:52:33

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Machine Information

sysname=Linux

nodename=yons-MS-7E06

release=6.8.0-40-generic

version=#40~22.04.3-Ubuntu SMP PREEMPT_DYNAMIC Tue Jul 30 17:30:19 UTC 2

machine=x86_64

CPU arch : X86_64

CPU bits : 64

CPU brand : Intel(R) Core(TM) i9-14900KF

CPU cores : 32

CPU base clock : 800.0000 MHz

CPU boost clock : 800.0000 MHz

System Memory : 94.13GB

Nvidia driver version : 550.90.07

Device 0 : NVIDIA GeForce RTX 4090

Device 0 : 23.99GB

Library Information

python : 3.8.19

torch : 1.13.1+cu117

optuna : 3.2.0

numpy : 1.23.3

pandas : 1.5.3

matplotlib : 3.7.1

seaborn : 0.12.2

pcb library: generation of .pcb files.

Library version : 0.0.12

Library built with : C++14

Library built on : Mar 3 2023 23:10:31

netlist_graph: Graph pre-processing library for PCB component placement.

Library version : 0.1.16

Library built with : C++14

Library built on : Mar 3 2023 23:10:32

Hpyerparameters

/home/yons/work/RL_PCB-main/tests/07_training_sac_cuda_fast/hyperparameters/hp_sac.json

learning_rate:0.0003

buffer_size:25000

n_steps:2048

batch_size:256

gamma:0.99

net_arch: {'pi': [400, 300], 'qf': [400, 300]}

activation_fn:relu

expl_noise:0.1

tau:0.005

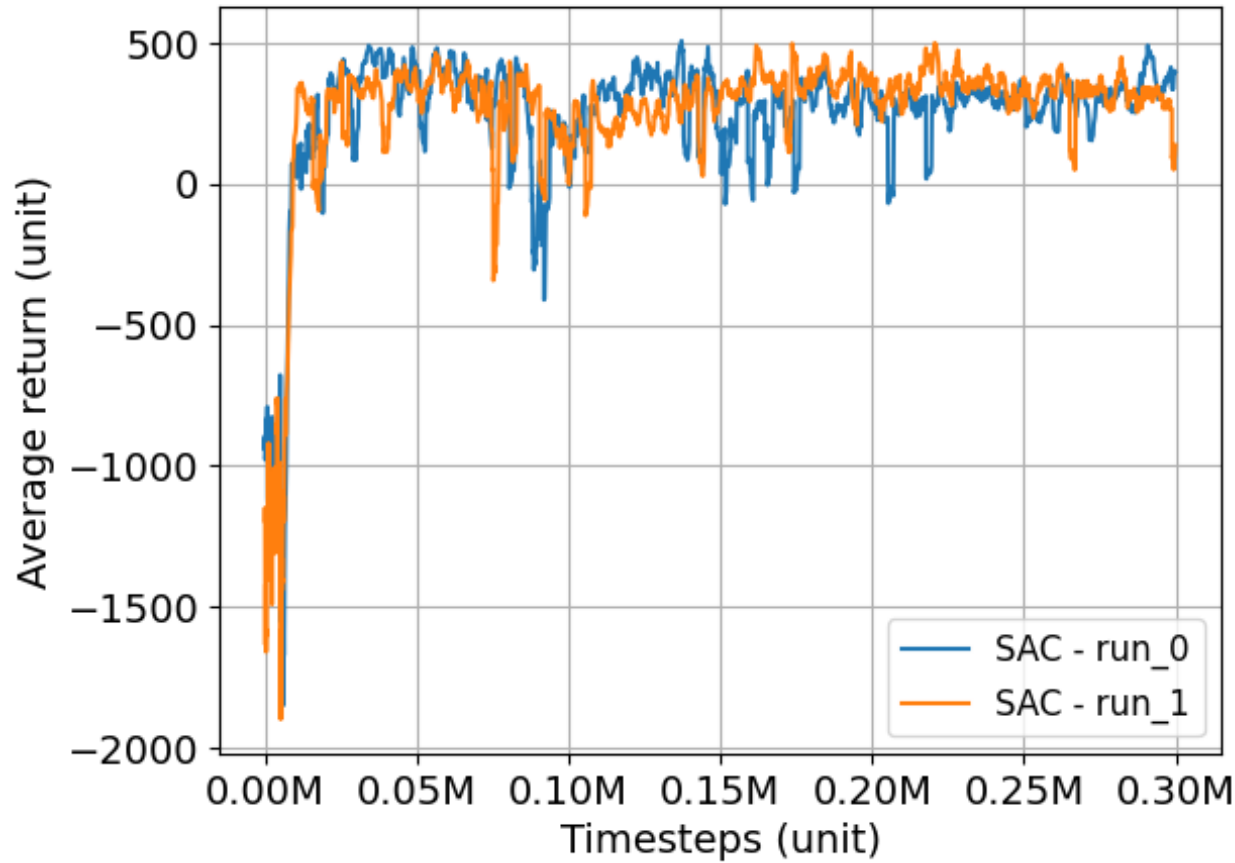
policy_noise:0.2

noise_clip:0.5

policy_freq:1

```
experiment=parameter_test_262
experiments=['parameter_experiment_262']
algorithms=['SAC']
averaging window=10 (user assigned)
```

Parameter test w/ emphasis on wirelength (W=2, H=6, O=2)



title	experiment_262:SAC
run #0	311.2052 ± 151.2644
run #1	313.7048 ± 225.6178
mean	312.4550 ± 188.4411

```
runs_involved=['1724376940_0', '1724376940_1']
```

End of automated test report 2024-08-23 12:52:35