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Experiment Report

Start of automated test report 2023-03-12 07:34:49 Author=luke@workstation obo Luke Vassallo

Machine Information

sysname=Linux nodename=workstation release=5.4.0-144-generic version=#161~18.04.1-Ubuntu SMP Fri Feb 10 15:55:22 UTC 2023 machine=x86_64

CPU arch: X86_64

CPU bits: 64

CPU brand: Intel(R) Core(TM) i7-10700K CPU @ 3.80GHz

CPU cores: 16

CPU base clock: 3.8000 GHz CPU boost clock: 4.5932 GHz System Memory: 62.64GB

Nvidia driver version: 470.161.03 Device 0: NVIDIA GeForce GTX 1080

Device 0: 7.93GB

Library Information

python: 3.8.13

torch: 1.11.0+cu102

optuna: 3.1.0 numpy: 1.23.3 pandas: 1.5.3 matplotlib: 3.7.0 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

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Hpyerparameters

/home/luke/work/rl_pcb/tests/04_training_sac_cuda/hyperparameters/hp_sac_ison

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

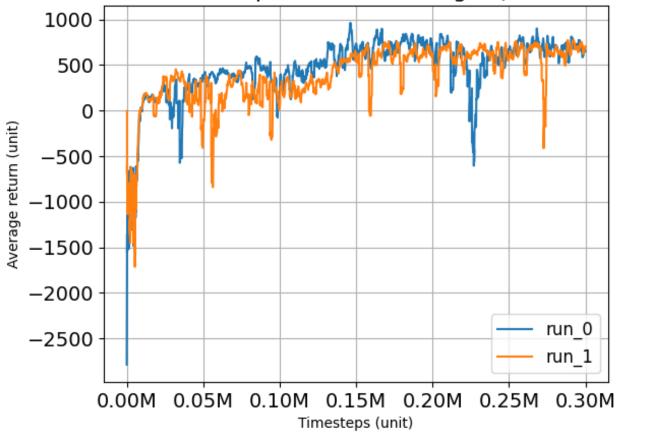
tau:0.005

policy_noise:0.2
noise_clip:0.5
policy_freq:1

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experiment=03_training_sac_cuda_622 experiments=['training_sac_cuda_622'] algorithms=['SAC'] averaging window=10 (user assigned)

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



title	sac_cuda_622:SAC
run #0	660.3411 ± 282.3210
run #1	606.9188 ± 390.9947
mean	633.6300 ± 336.6579

runs_involved=['1678569499_0', '1678569499_1']

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