Experiment Report

Start of automated test report 2023-05-30 05:58:51
Author=UNKNOWN@workstation obo Luke Vassallo

Machine Information

sysname=Linux
nodename=workstation
release=5.19.0-41-generic
version=#42~22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Tue Apr 18 17:40:00 UTC 2
machine=x86_64

CPU arch : X86_64
CPU bits : 64
CPU brand : Intel(R) Core(TM) i7-10700K CPU @ 3.80GHz
CPU cores : 8
CPU base clock : 3.8000 GHz
CPU boost clock : 3.7920 GHz
System Memory : 31.35GB
Nvidia driver version : 525.105.17
Device 0 : NVIDIA GeForce GTX 1080
Device 0 : 8.0GB

Library Information

python : 3.8.16
torch : 1.13.1+cu117
optuna : 3.1.1
numpy : 1.23.3
pandas : 2.0.2
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/gitlab-runner/builds/TfLwHVT9/1/luke/rl_pcb/tests/07_training_sac_cu
da_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]}
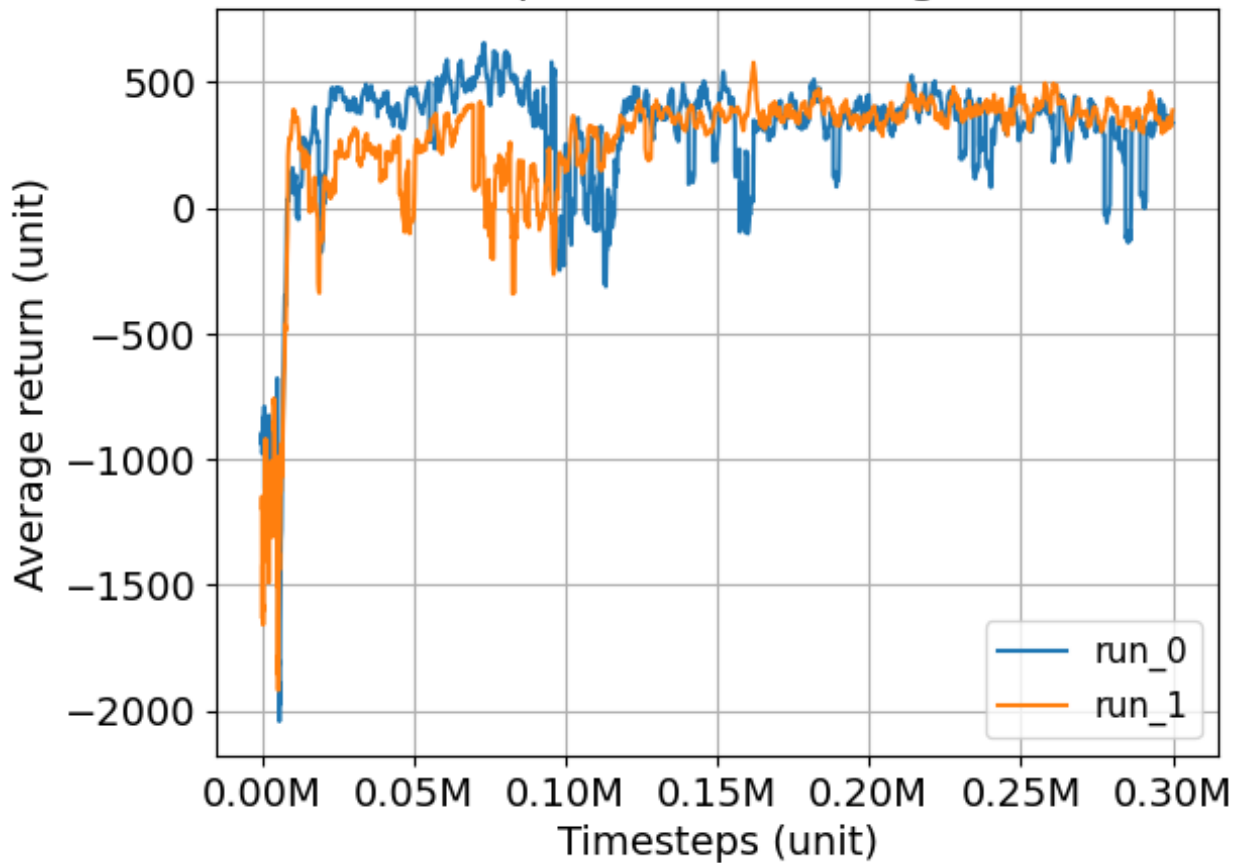
activation_fn:relu

expl_noise:0.1

tau:0.005

policy_noise:0.2

noise_clip:0.5

policy_freq:1

experiment=07_training_sac_cuda_262
experiments=['training_sac_cuda_262']
algorithms=['SAC']
averaging window=10 (user assigned)

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

title	sac_cuda_262:SAC
run #0	298.7815 ± 384.8300
run #1	382.6536 ± 139.2374
mean	340.7176 ± 262.0337

runs_involved=['1685397120_0', '1685397120_1']

End of automated test report 2023-05-30 05:58:52