

Experiment Report

Start of automated test report 2024-08-30 16:25:33

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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 : 5.7000 GHz

CPU boost clock : 5.7000 GHz

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/23_226_a2c/hyperparameters/hp_a2c.json

learning_rate:0.001

lr_critic:0.003

buffer_size:25000

n_steps:2048

batch_size:64

gamma:0.99

net_arch: {'pi': [64, 128, 64], 'qf': [64, 128, 64]}

activation_fn:relu

K_epochs:1

expl_noise:0.1

policy_noise:0.2

noise_clip:0.5

clip_param:0.2

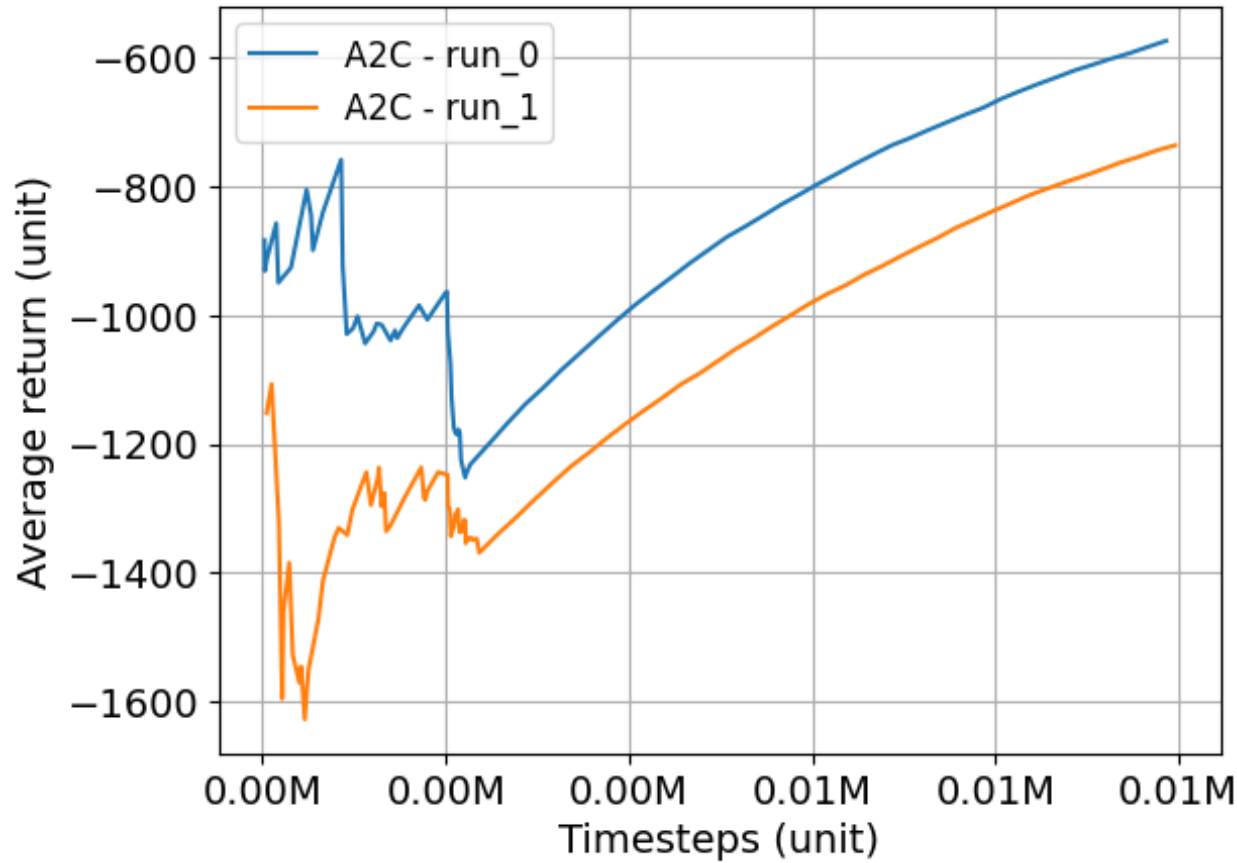
max_grad_norm:0.5

tau:0.98

policy_freq:2

experiment=parameter_test_226
experiments=['parameter_experiment_226']
algorithms=['A2C']
averaging window=100 (user assigned)

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



title	experiment_226:A2C
run #0	122.6859 ± 71.1745
run #1	152.1036 ± 95.8373
mean	137.3947 ± 83.5059

runs_involved=['1725004524_0', '1725004524_1']

End of automated test report 2024-08-30 16:25:35