Experiment Report

Start of automated test report 2024-08-30 16:17:29
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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 : 1.9947 GHz
CPU boost clock : 1.9947 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_ppo/hyperparameters/hp_ppo.json

learning_rate:0.001

lr_critic:0.003

buffer_size:25000

n_steps:2048

batch_size:128

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

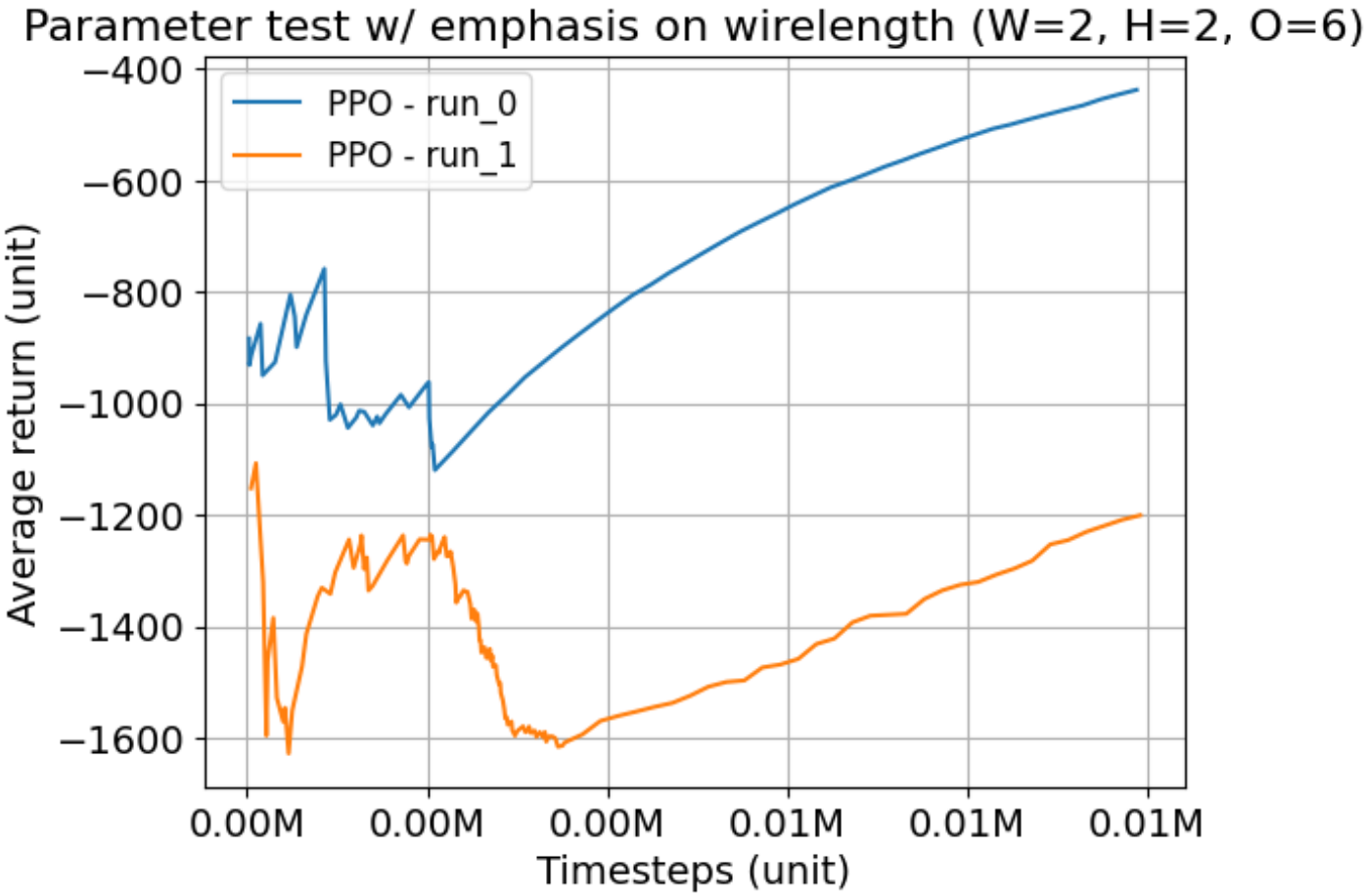
clip_param:0.2

max_grad_norm:0.5

tau:0.98

policy_freq:2

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



title	experiment_226:PPO
run #0	136.2543 ± 68.5500
run #1	117.1880 ± 66.6224
mean	126.7212 ± 67.5862

runs_involved=['1725004899_0', '1725004899_1']

End of automated test report 2024-08-30 16:17:31