Experiment Report

Start of automated test report 2024-08-11 23:56:51
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Machine Information

sysname=Linux
nodename=LabYu
release=6.5.0-44-generic
version=#44~22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Tue Jun 18 14:36:16 UTC 2
machine=x86_64

CPU arch : X86_64
CPU bits : 64
CPU brand : 11th Gen Intel(R) Core(TM) i7-1165G7 @ 2.80GHz
CPU cores : 2
CPU base clock : 2.8000 GHz
CPU boost clock : 2.8032 GHz
System Memory : 7.71GB
Without use Cuda

Library Information

python : 3.8.19
torch : 1.13.1+cpu
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/yu/Work/RL_PCB-main/tests/08_training_ppo_cpu_fast/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': [300, 100], 'qf': [300, 100]}

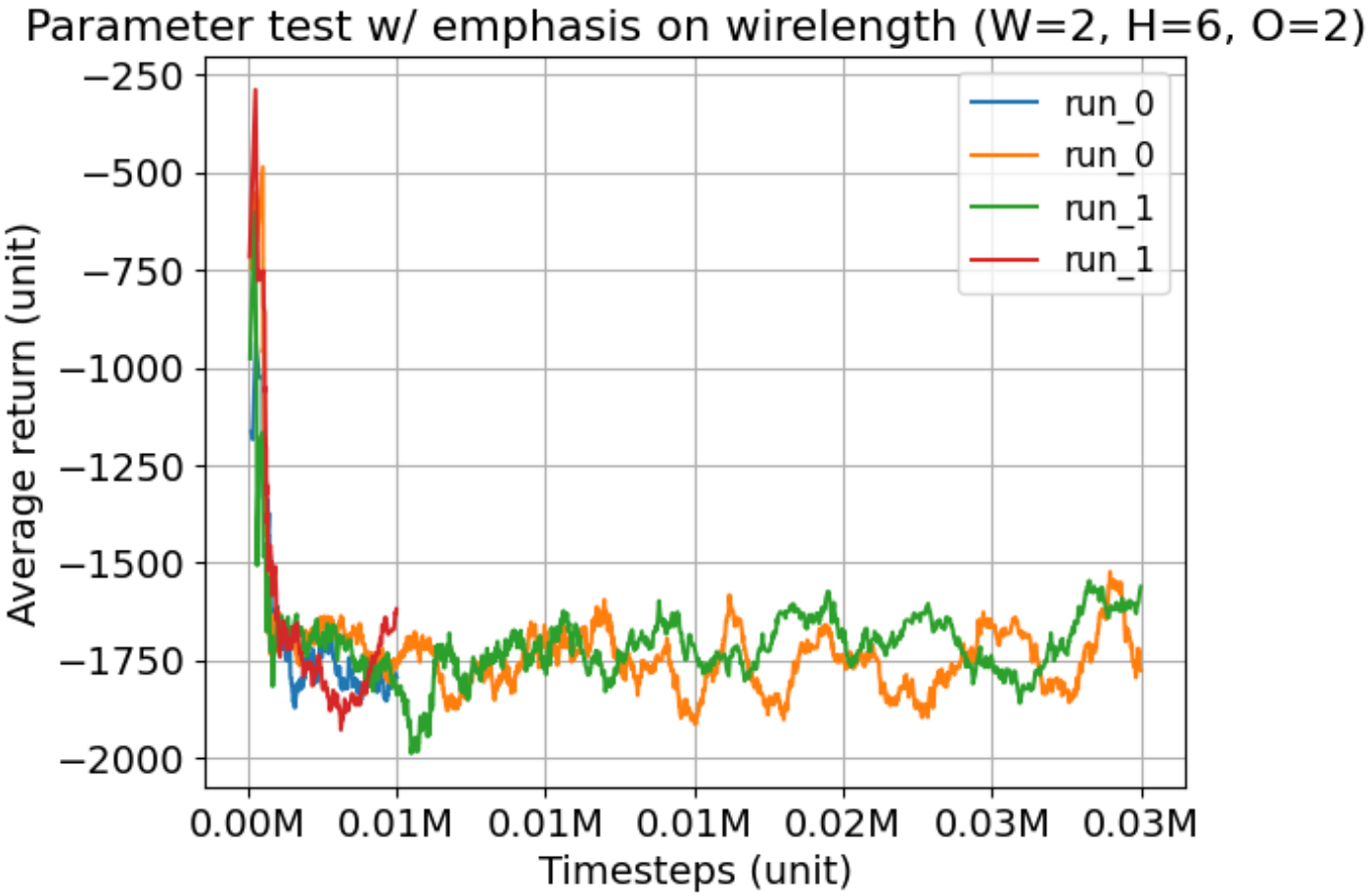
activation_fn:relu

expl_noise:0.1

clip_param:0.2

max_grad_norm:0.5

experiment=08_training_ppo_cpu_262
experiments=['training_ppo_cpu_262']
algorithms=['PPO']
averaging window=100 (user assigned)



title	ppo_cpu_262:PPO
run #0	-1808.9255 ± 821.1559
run #1	-1710.0529 ± 793.7335
run #2	-1674.7355 ± 779.1001
run #3	-1581.1860 ± 740.4448
mean	-1693.7250 ± 783.6086

runs_involved=['1723385073_0', '1723386373_0', '1723386373_1', '1723385073_1']

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