Experiment Report

Start of automated test report 2023-05-02 11:20:02
Author=UNKNOWN@workstation obo Luke Vassallo

Machine Information

sysname=Linux
nodename=workstation
release=5.19.0-40-generic
version=#41~22.04.1-Ubuntu SMP PREEMPT_DYNAMIC Fri Mar 31 16:00:14 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 : 3.1.0
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.
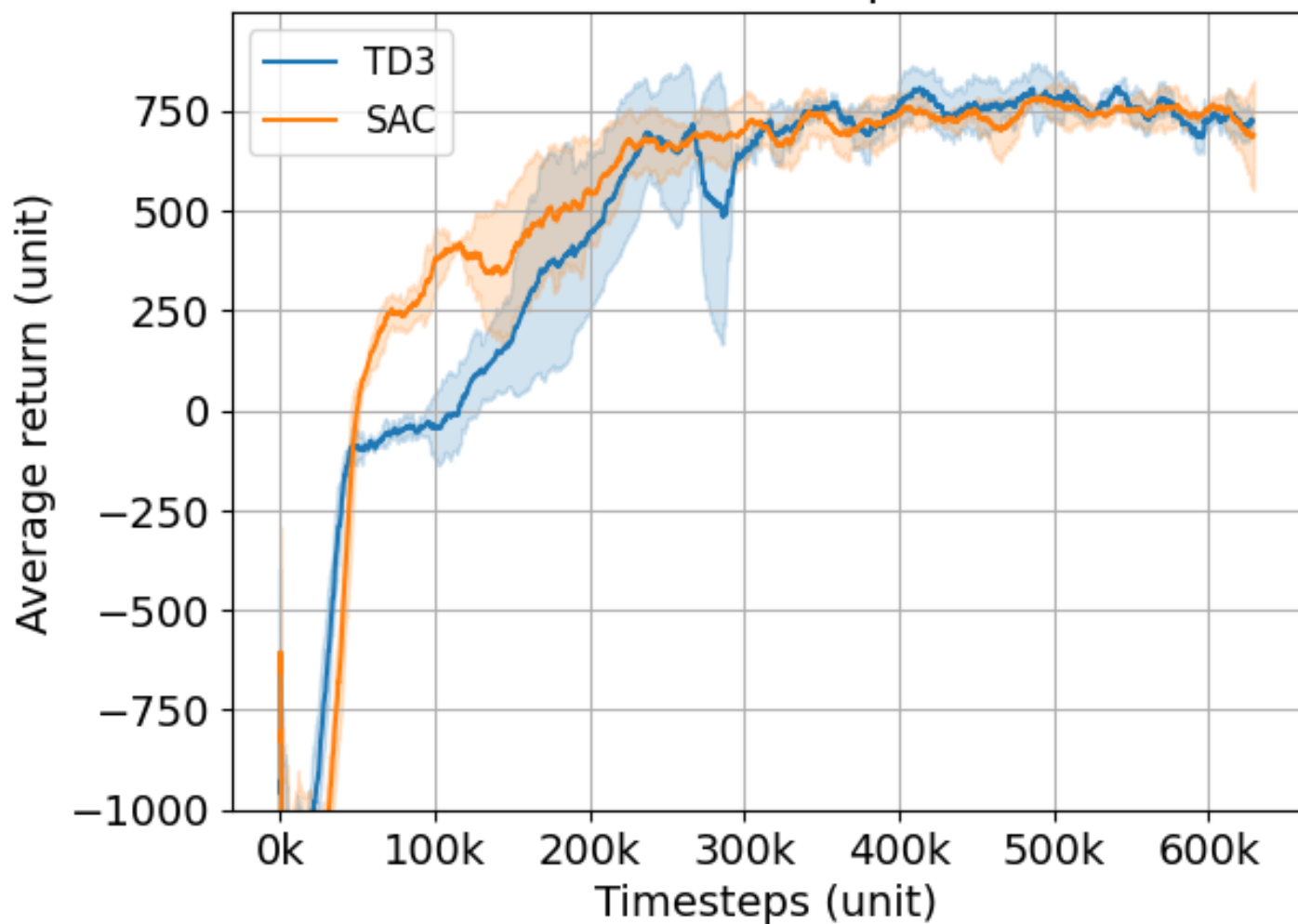Library version : 0.1.16
Library built with : C++14
Library built on : Mar 3 2023 23:10:32

Hpyerparameters

experiment=parameter_test_622
experiments=['parameter_experiment_622']
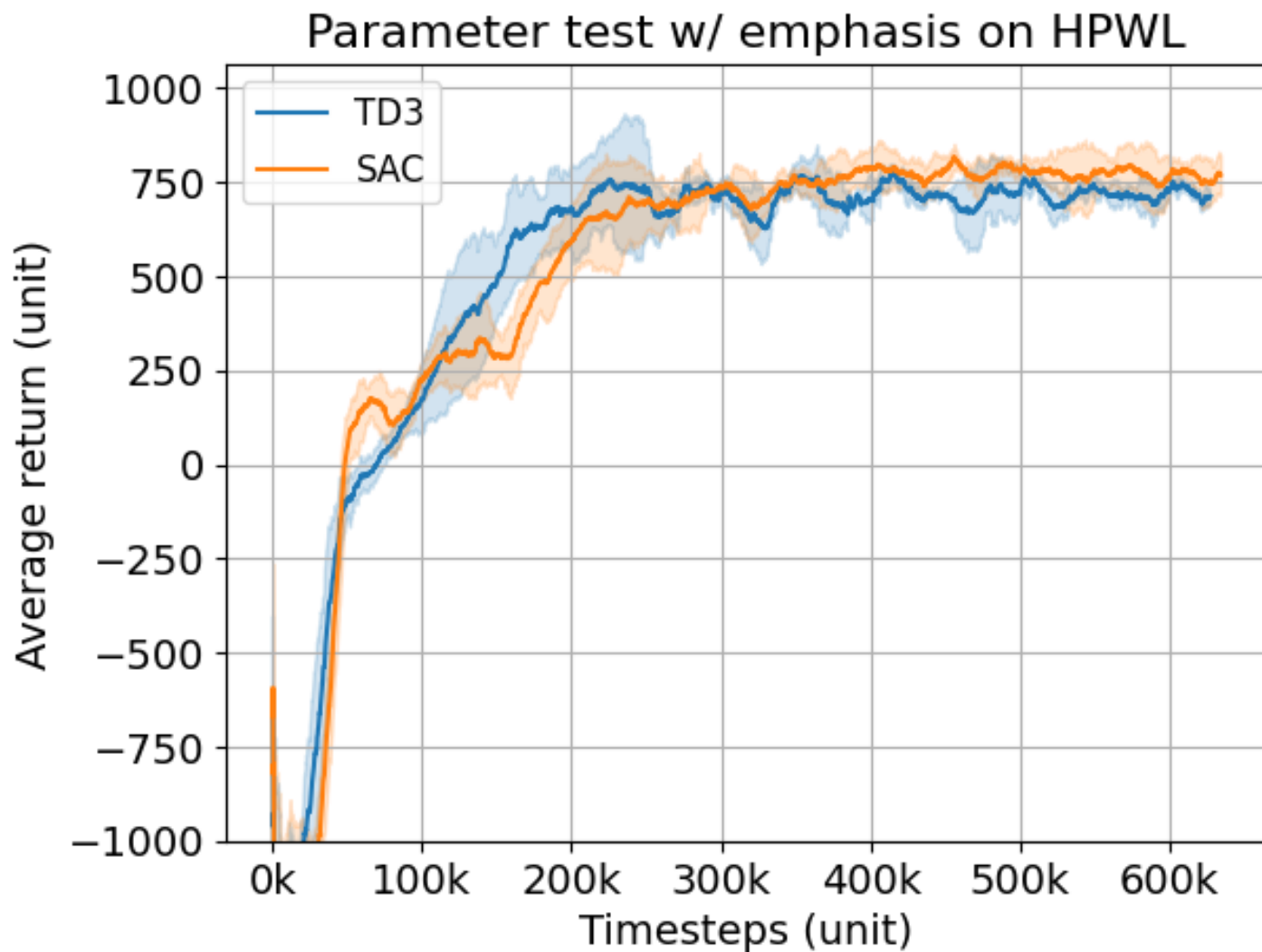algorithms=['TD3', 'SAC']
averaging window=100 (user assigned)

Parameter test w/ emphasis on EW

title	experiment_622:TD3	experiment_622:SAC
run #0	742.4749 ± 341.5866	708.3183 ± 347.9947
run #1	756.3189 ± 391.8184	734.9865 ± 312.6222
run #2	718.4762 ± 331.5464	750.4119 ± 281.6932
mean	739.0900 ± 354.9838	750.1988 ± 242.4726

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runs_involved=['1681717896_0', '1681717896_2', '1681717896_3',
'1681851168_0', '1681851168_1', '1681851168_2', '1681851168_3']
```
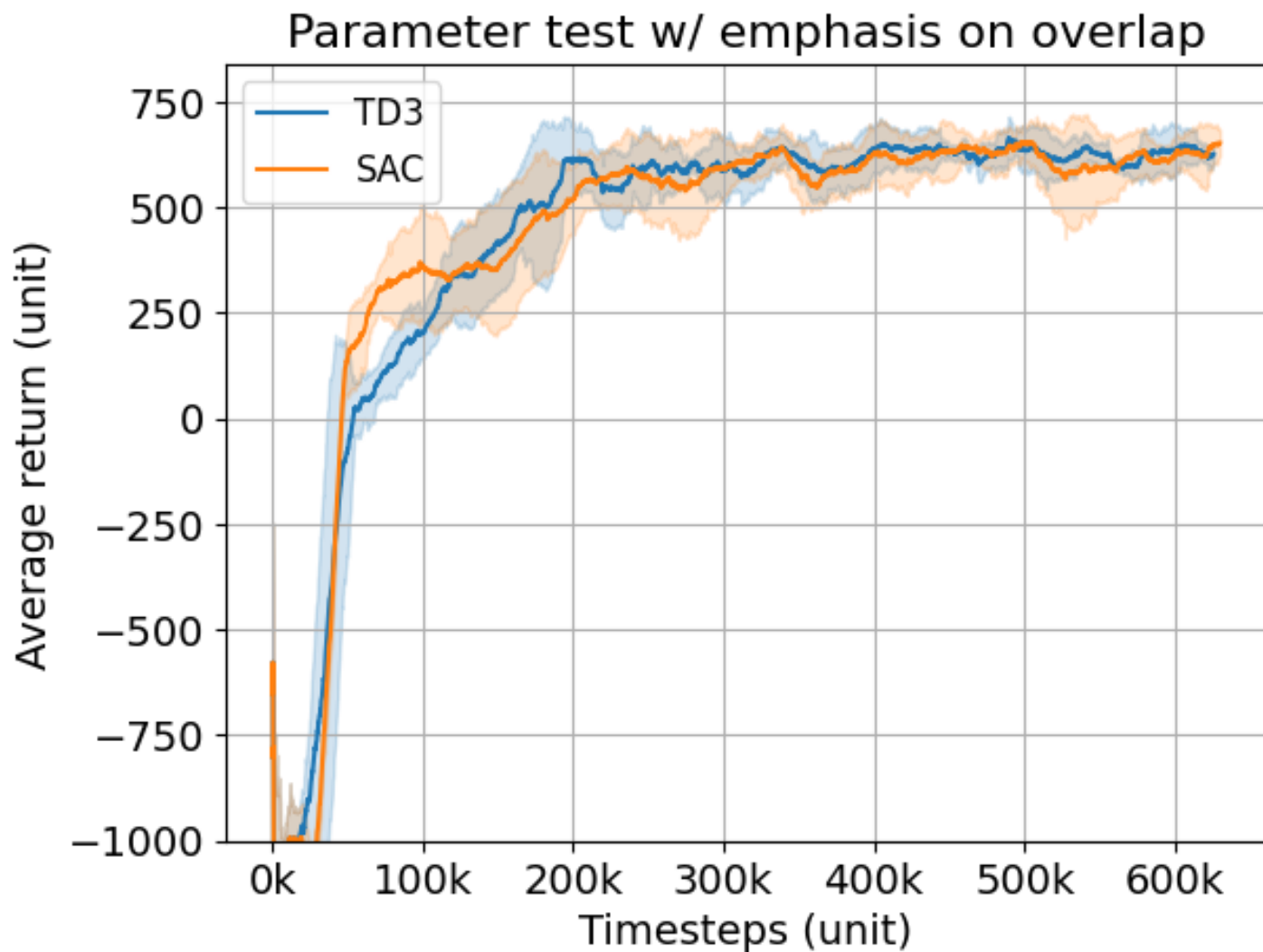
experiment=parameter_test_262
experiments=['parameter_experiment_262']
algorithms=['TD3', 'SAC']
averaging window=100 (user assigned)

Parameter test w/ emphasis on HPWL

title	experiment_262:TD3	experiment_262:SAC
run #0	723.9894 ± 295.3097	805.4433 ± 353.8440
run #1	710.9797 ± 311.6186	786.2239 ± 267.5648
run #2	710.0328 ± 300.3606	695.7921 ± 331.5369
mean	715.0007 ± 302.4297	796.2334 ± 270.4481

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runs_involved=['1681717898_0', '1681717898_2', '1681717898_3',
'1681852441_0', '1681852441_1', '1681852441_2', '1681852441_3']
```

experiment=parameter_test_226
experiments=['parameter_experiment_226']
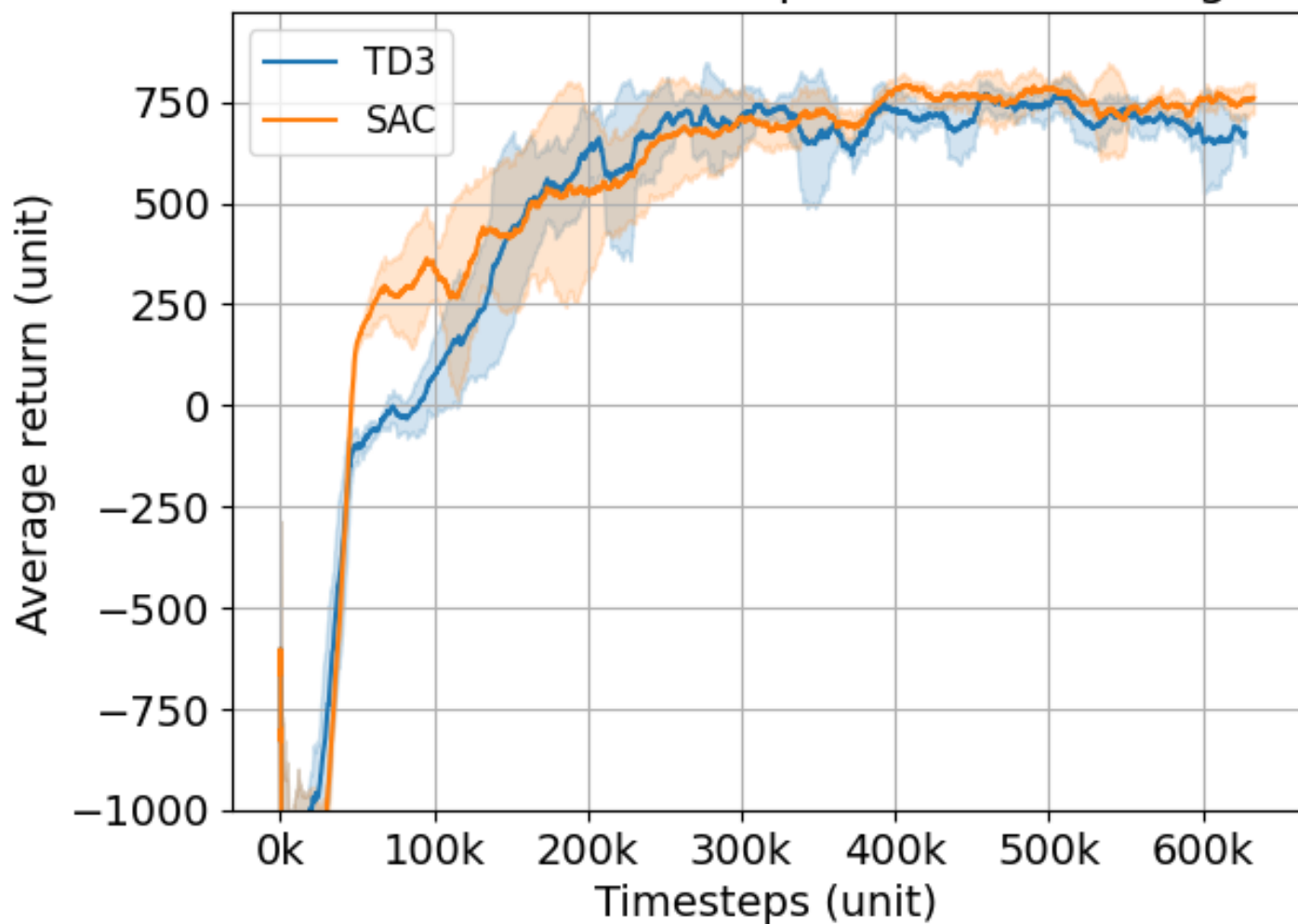algorithms=['TD3', 'SAC']
averaging window=100 (user assigned)

Parameter test w/ emphasis on overlap

title	experiment_226:TD3	experiment_226:SAC
run #0	639.6971 ± 322.5239	664.7168 ± 195.3783
run #1	605.5496 ± 243.3352	553.4604 ± 333.7126
run #2	645.4609 ± 323.4027	629.9482 ± 296.6805
run #3	603.1392 ± 202.5772	602.4588 ± 224.3518
mean	623.4617 ± 272.9597	612.6461 ± 262.5308

runs_involved=['1681717900_0', '1681717900_1', '1681717900_2', '1681717900_3', '1681852463_0', '1681852463_1', '1681852463_2', '1681852463_3']

experiment=parameter_test_442
experiments=['parameter_experiment_442']
algorithms=['TD3', 'SAC']
averaging window=100 (user assigned)

Parameter test w/ emphasis on wirelength

title	experiment_442:TD3	experiment_442:SAC
run #0	707.6969 ± 383.8020	742.1027 ± 292.3807
run #1	687.3082 ± 382.3925	757.1302 ± 347.3377
run #2	717.7932 ± 276.9330	719.9557 ± 342.6581
run #3	658.4325 ± 350.8017	755.4260 ± 239.7612
mean	692.8077 ± 348.4823	743.6537 ± 305.5344

```
runs_involved=['1681717902_0', '1681717902_1', '1681717902_2',
'1681717902_3', '1681853385_0', '1681853385_1', '1681853385_2',
'1681853385_3']
```

End of automated test report 2023-05-02 11:20:16