Experiment Report

Start of automated test report 2023-05-04 19:27:59
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.
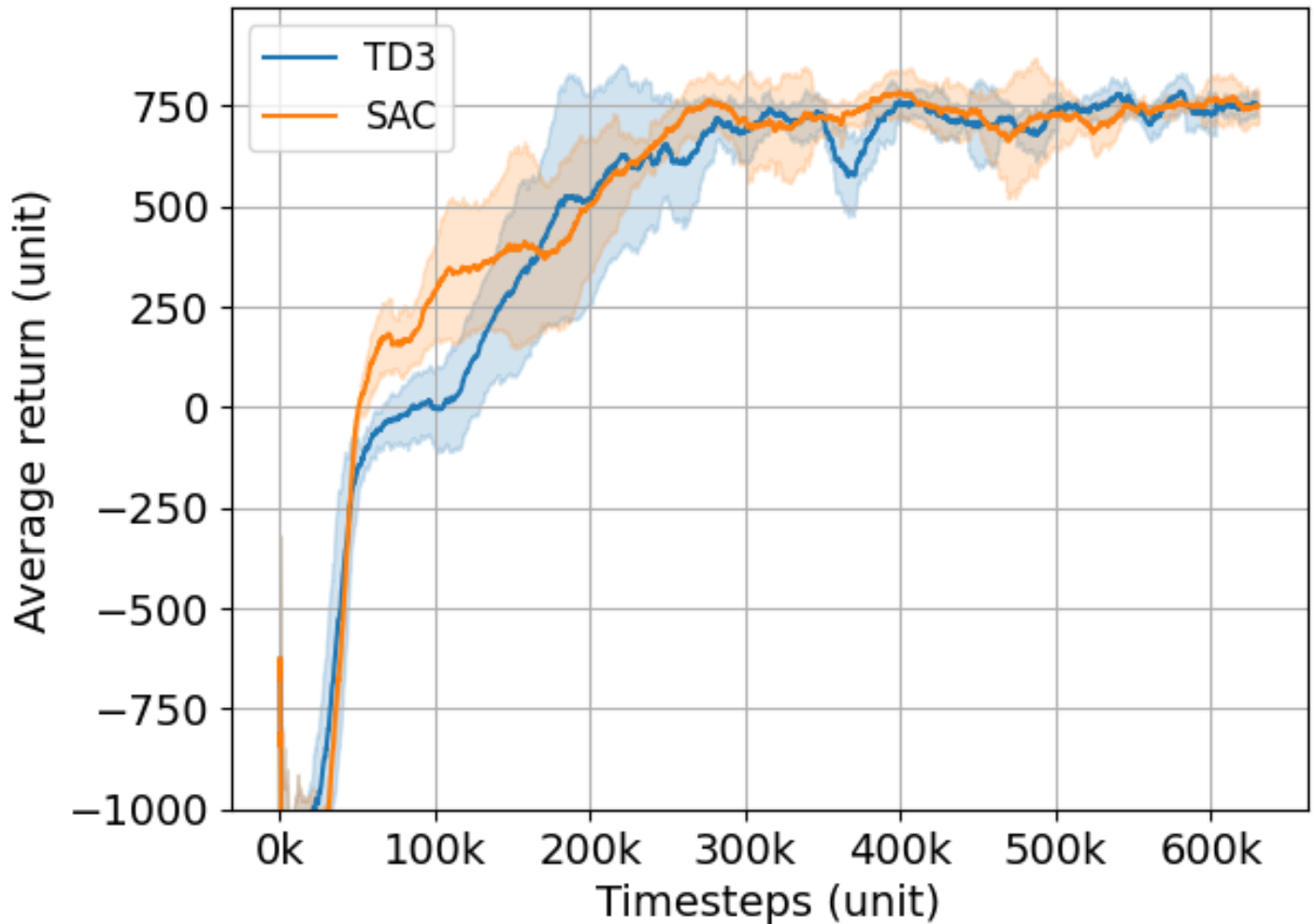Library version : 0.1.16
Library built with : C++14
Library built on : Mar 3 2023 23:10:32

Hpyerparameters

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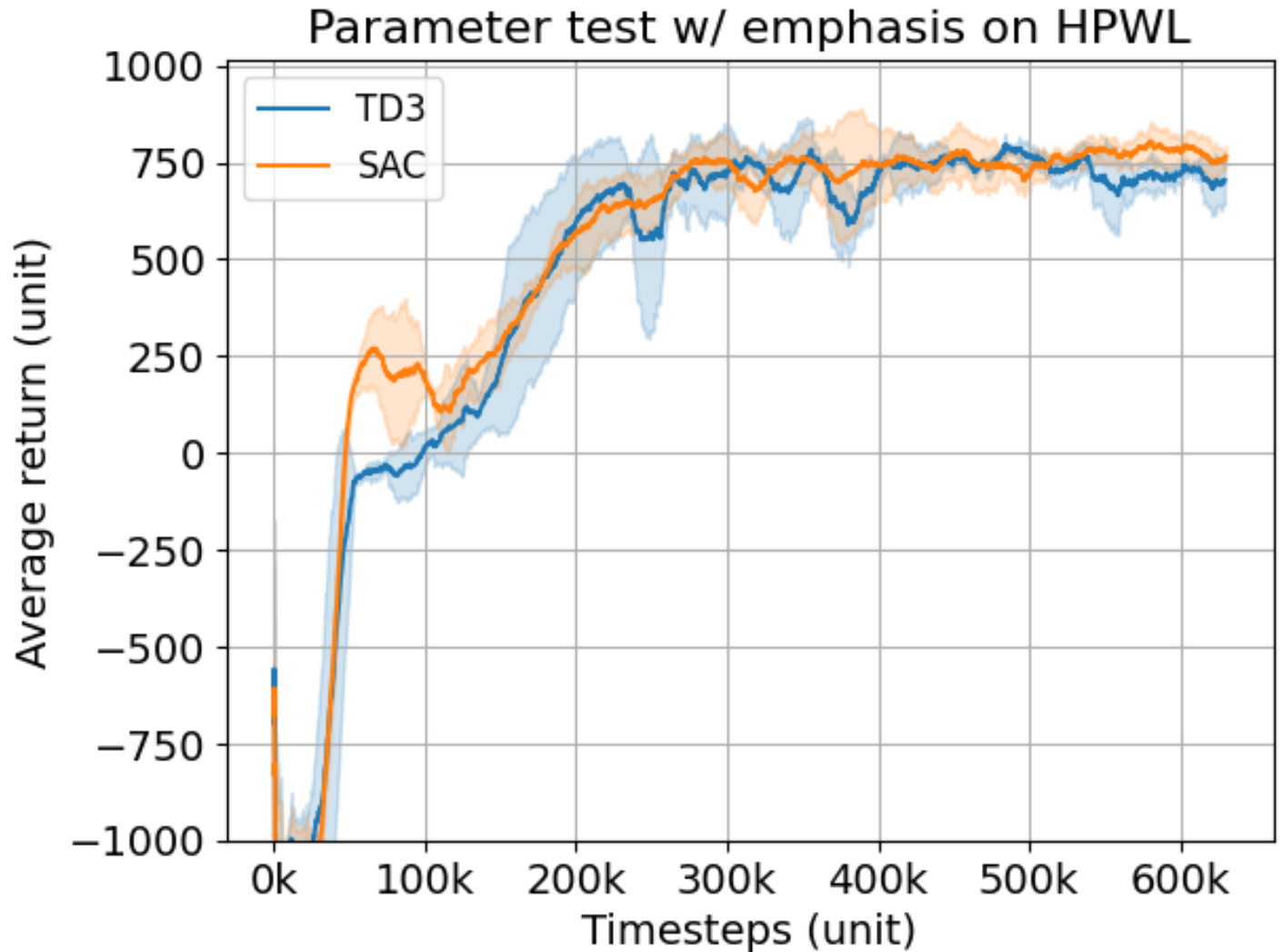algorithms=['TD3', 'SAC']
averaging window=100 (user assigned)

Parameter test w/ emphasis on EW

title	experiment_622:TD3	experiment_622:SAC
run #0	743.6061 ± 309.0807	725.5745 ± 220.1904
run #1	751.2783 ± 359.8702	771.0150 ± 279.0140
run #2	741.4312 ± 358.9707	746.5241 ± 307.2689
run #3	763.0121 ± 318.8054	727.8441 ± 283.5328
mean	749.8319 ± 336.6818	742.7394 ± 272.5015

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runs_involved=['1682846451_0', '1682846451_1', '1682846451_2',
'1682846451_3', '1682978327_0', '1682978327_1', '1682978327_2',
'1682978327_3']
```
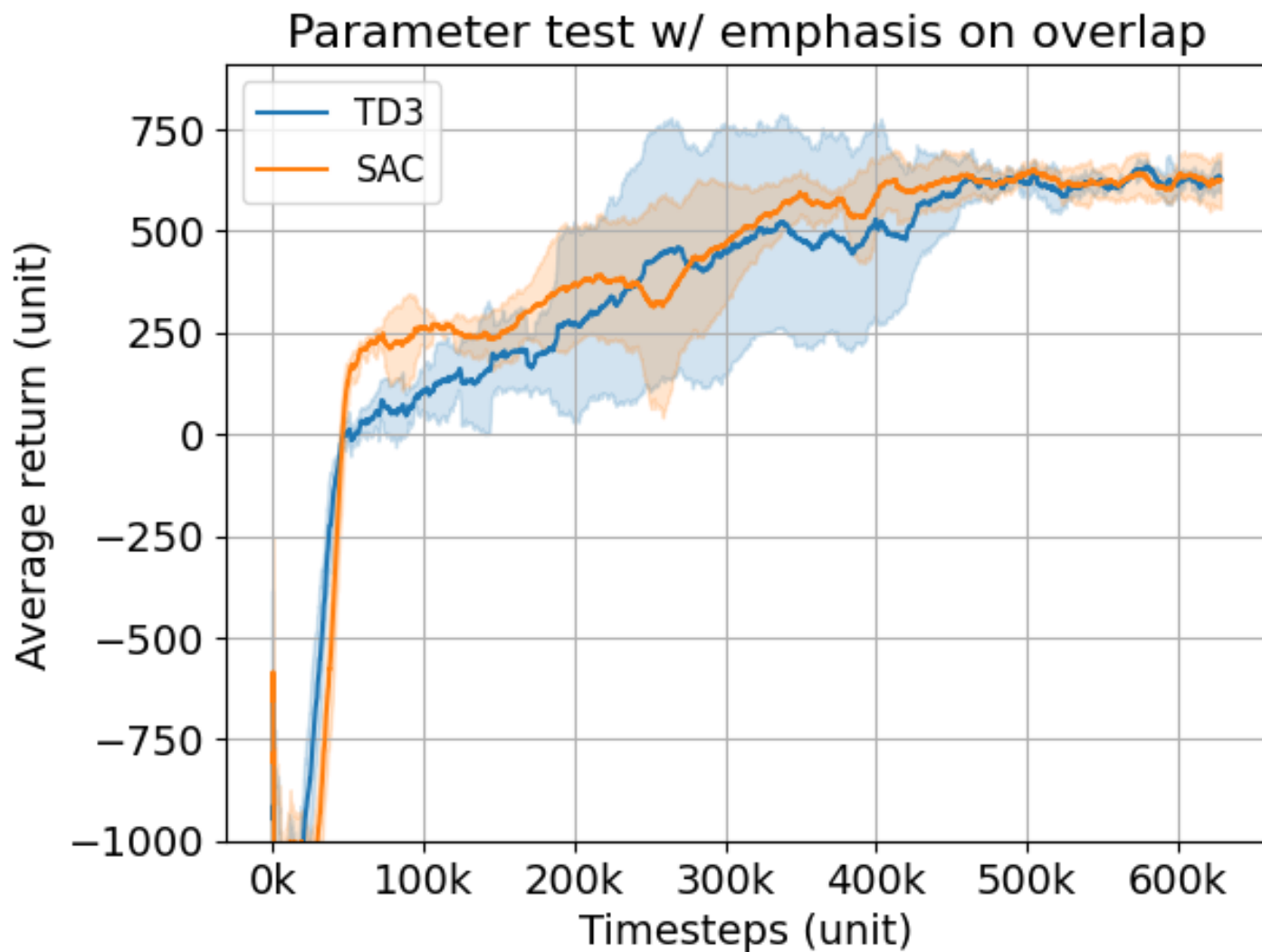
experiment=parameter_test_262
experiments=['parameter_experiment_262']
algorithms=['TD3', 'SAC']
averaging window=100 (user assigned)

Parameter test w/ emphasis on HPWL

title	experiment_262:TD3	experiment_262:SAC
run #0	745.8057 ± 340.5152	723.4950 ± 316.6581
run #1	700.1023 ± 377.7466	786.7637 ± 248.7527
run #2	695.3932 ± 380.8499	782.4779 ± 264.0618
mean	713.7671 ± 366.3706	796.0088 ± 269.1210

```
runs_involved=['1682846453_1', '1682846453_2', '1682846453_3',
'1682980649_0', '1682980649_1', '1682980649_2', '1682980649_3']
```
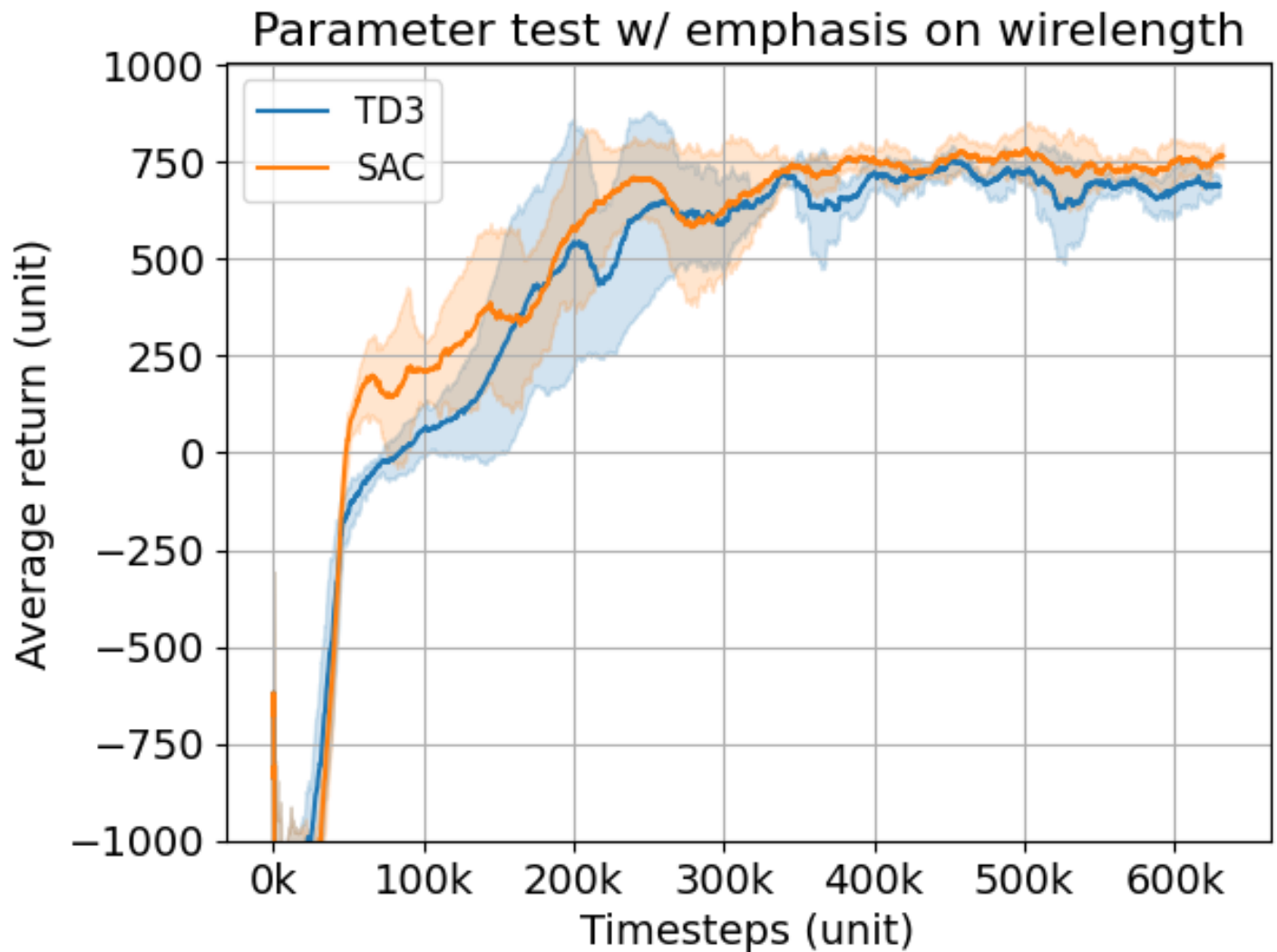
experiment=parameter_test_226
experiments=['parameter_experiment_226']
algorithms=['TD3', 'SAC']
averaging window=100 (user assigned)

Parameter test w/ emphasis on overlap

title	experiment_226:TD3	experiment_226:SAC
run #0	632.4551 ± 241.4156	589.3834 ± 236.9269
run #1	614.0823 ± 263.4248	627.4091 ± 218.0095
run #2	632.7319 ± 218.5578	684.5754 ± 243.0923
mean	626.4231 ± 241.1327	592.5679 ± 237.6972

runs_involved=['1682846455_0', '1682846455_2', '1682846455_3',
'1682980882_0', '1682980882_1', '1682980882_2', '1682980882_3']

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

title	experiment_442:TD3	experiment_442:SAC
run #0	686.4359 ± 345.2868	760.4616 ± 291.1245
run #1	686.3810 ± 360.1809	764.2289 ± 318.6727
run #2	660.8539 ± 358.0809	698.0813 ± 327.8408
run #3	696.8699 ± 308.1457	743.9708 ± 318.2000
mean	682.6352 ± 342.9236	741.6857 ± 313.9595

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runs_involved=['1682846457_0', '1682846457_1', '1682846457_2',
'1682846457_3', '1682981272_0', '1682981272_1', '1682981272_2',
'1682981272_3']
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End of automated test report 2023-05-04 19:28:10