N-Tuple Planet Wars 100 Evals Results

/Library/Java/JavaVirtualMachines/jdk-9.0.1.jdk/Contents/Home/bin/java "-javaagent:/Applications/IntelliJ IDEA CE.app/Contents/lib/idea\_rt.jar=54047:/Applications/IntelliJ IDEA CE.app/Contents/bin" -Dfile.encoding=UTF-8 -classpath /Users/simon/Documents/GitHub/SimpleAsteroids/out/production/SimpleAsteroids:/Users/simon/Documents/GitHub/SimpleAsteroids/lib/gson-2.2.4.jar:/Users/simon/Documents/GitHub/SimpleAsteroids/lib/gvgai-master.jar hyperopt.TestHyperParamPlanetWars

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = -0.02

sd = 1.0048367875913826

se = 0.10048367875913826

sum = -2.0

sumsq = 100.0

n = 100

Checks complete: 5324 ms elapsed

Solution: [3, 0, 1, 0, 0]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.2

sd = 0.9847319278346619

se = 0.0984731927834662

sum = 20.0

sumsq = 100.0

n = 100

Checks complete: 4254 ms elapsed

Solution: [1, 1, 1, 1, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.28

sd = 0.9648363026488436

se = 0.09648363026488435

sum = 28.0

sumsq = 100.0

n = 100

Checks complete: 4447 ms elapsed

Solution: [1, 1, 1, 0, 3]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.52

sd = 0.8584693919818557

se = 0.08584693919818556

sum = 52.0

sumsq = 100.0

n = 100

Checks complete: 4898 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.12

sd = 0.9977753031397177

se = 0.09977753031397177

sum = 12.0

sumsq = 100.0

n = 100

Checks complete: 5969 ms elapsed

Solution: [1, 0, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.42

sd = 0.9120960431441373

se = 0.09120960431441373

sum = 42.0

sumsq = 100.0

n = 100

Checks complete: 4703 ms elapsed

Solution: [2, 1, 1, 0, 2]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.62

sd = 0.7885544888073251

se = 0.07885544888073251

sum = 62.0

sumsq = 100.0

n = 100

Checks complete: 4495 ms elapsed

Solution: [3, 1, 1, 0, 2]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.38

sd = 0.9296463974234636

se = 0.09296463974234635

sum = 38.0

sumsq = 100.0

n = 100

Checks complete: 4816 ms elapsed

Solution: [2, 0, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = -0.02

sd = 1.0048367875913826

se = 0.10048367875913826

sum = -2.0

sumsq = 100.0

n = 100

Checks complete: 5437 ms elapsed

Solution: [3, 1, 1, 0, 0]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.6

sd = 0.8040302522073697

se = 0.08040302522073697

sum = 60.0

sumsq = 100.0

n = 100

Checks complete: 4782 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.48

sd = 0.8816880045536162

se = 0.08816880045536162

sum = 48.0

sumsq = 100.0

n = 100

Checks complete: 4324 ms elapsed

Solution: [2, 1, 1, 0, 3]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.48

sd = 0.8816880045536162

se = 0.08816880045536162

sum = 48.0

sumsq = 100.0

n = 100

Checks complete: 4645 ms elapsed

Solution: [2, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.19

sd = 0.9815983667138783

se = 0.09815983667138783

sum = 19.0

sumsq = 99.0

n = 100

Checks complete: 4297 ms elapsed

Solution: [3, 1, 1, 1, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.64

sd = 0.7722458393307382

se = 0.07722458393307383

sum = 64.0

sumsq = 100.0

n = 100

Checks complete: 4663 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.26

sd = 0.9704731741878194

se = 0.09704731741878195

sum = 26.0

sumsq = 100.0

n = 100

Checks complete: 4490 ms elapsed

Solution: [1, 0, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.56

sd = 0.8326663997864531

se = 0.08326663997864531

sum = 56.0

sumsq = 100.0

n = 100

Checks complete: 4548 ms elapsed

Solution: [2, 0, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.72

sd = 0.6974701760395541

se = 0.06974701760395541

sum = 72.0

sumsq = 100.0

n = 100

Checks complete: 4350 ms elapsed

Solution: [3, 1, 1, 0, 2]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.16

sd = 0.9920899274977164

se = 0.09920899274977164

sum = 16.0

sumsq = 100.0

n = 100

Checks complete: 5338 ms elapsed

Solution: [3, 1, 1, 0, 0]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.4

sd = 0.9211323729436766

se = 0.09211323729436766

sum = 40.0

sumsq = 100.0

n = 100

Checks complete: 4600 ms elapsed

Solution: [2, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.62

sd = 0.7885544888073251

se = 0.07885544888073251

sum = 62.0

sumsq = 100.0

n = 100

Checks complete: 4499 ms elapsed

Solution: [2, 1, 1, 0, 2]

nEvals per run: 100

Overall results: SlidingMeanEDA

min = -0.02

max = 0.72

ave = 0.38050000000000006

sd = 0.22357090009306

se = 0.049991973039889614

sum = 7.610000000000001

sumsq = 3.8453000000000004

n = 20

Total time for experiment: 183298 ms elapsed

Search space size: 240.0

Creating new model

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.62

sd = 0.7885544888073251

se = 0.07885544888073251

sum = 62.0

sumsq = 100.0

n = 100

Checks complete: 4785 ms elapsed

Solution: [2, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.62

sd = 0.7885544888073251

se = 0.07885544888073251

sum = 62.0

sumsq = 100.0

n = 100

Checks complete: 4910 ms elapsed

Solution: [2, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.54

sd = 0.8459051693633014

se = 0.08459051693633014

sum = 54.0

sumsq = 100.0

n = 100

Checks complete: 4658 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.51

sd = 0.8586458683722453

se = 0.08586458683722453

sum = 51.0

sumsq = 99.0

n = 100

Checks complete: 4662 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.71

sd = 0.7005769628014333

se = 0.07005769628014333

sum = 71.0

sumsq = 99.0

n = 100

Checks complete: 4826 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.6

sd = 0.8040302522073697

se = 0.08040302522073697

sum = 60.0

sumsq = 100.0

n = 100

Checks complete: 4743 ms elapsed

Solution: [3, 1, 1, 0, 2]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.46

sd = 0.8923920866769474

se = 0.08923920866769473

sum = 46.0

sumsq = 100.0

n = 100

Checks complete: 4634 ms elapsed

Solution: [3, 1, 1, 0, 2]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.46

sd = 0.8923920866769474

se = 0.08923920866769473

sum = 46.0

sumsq = 100.0

n = 100

Checks complete: 4709 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.68

sd = 0.7369058983549412

se = 0.07369058983549412

sum = 68.0

sumsq = 100.0

n = 100

Checks complete: 4666 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.68

sd = 0.7369058983549412

se = 0.07369058983549412

sum = 68.0

sumsq = 100.0

n = 100

Checks complete: 4613 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.62

sd = 0.7885544888073251

se = 0.07885544888073251

sum = 62.0

sumsq = 100.0

n = 100

Checks complete: 4612 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.44

sd = 0.902521719708426

se = 0.09025217197084259

sum = 44.0

sumsq = 100.0

n = 100

Checks complete: 4602 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.5

sd = 0.8703882797784892

se = 0.08703882797784893

sum = 50.0

sumsq = 100.0

n = 100

Checks complete: 4608 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.52

sd = 0.8584693919818557

se = 0.08584693919818556

sum = 52.0

sumsq = 100.0

n = 100

Checks complete: 4609 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.62

sd = 0.7885544888073251

se = 0.07885544888073251

sum = 62.0

sumsq = 100.0

n = 100

Checks complete: 4686 ms elapsed

Solution: [2, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.64

sd = 0.7722458393307382

se = 0.07722458393307383

sum = 64.0

sumsq = 100.0

n = 100

Checks complete: 4591 ms elapsed

Solution: [2, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.58

sd = 0.8187203614806647

se = 0.08187203614806647

sum = 58.0

sumsq = 100.0

n = 100

Checks complete: 4719 ms elapsed

Solution: [2, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.58

sd = 0.8187203614806647

se = 0.08187203614806647

sum = 58.0

sumsq = 100.0

n = 100

Checks complete: 4802 ms elapsed

Solution: [2, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.46

sd = 0.8923920866769474

se = 0.08923920866769473

sum = 46.0

sumsq = 100.0

n = 100

Checks complete: 5648 ms elapsed

Solution: [2, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.44

sd = 0.902521719708426

se = 0.09025217197084259

sum = 44.0

sumsq = 100.0

n = 100

Checks complete: 4856 ms elapsed

Solution: [2, 1, 1, 0, 1]

nEvals per run: 100

Overall results: NTupleBanditEA

min = 0.44

max = 0.71

ave = 0.5640000000000001

sd = 0.08616996668152262

se = 0.019268190311877653

sum = 11.280000000000001

sumsq = 6.503000000000001

n = 20

Total time for experiment: 187306 ms elapsed

Time for all experiments: 370607 ms elapsed

Process finished with exit code 0