

Raport z testów metaheurystycznych

Data wygenerowania: 2025-02-04 15:32:46

Wyniki testów:

03.02.2025 21:38:36: Running string with parameters: 0 0 0 on string
03.02.2025 21:39:43: Running HawkOptimization with parameters: 2 10 2 on SphereFunction
03.02.2025 22:05:59: Running HawkOptimization with parameters: 2 10 2 on System.Collections.Generic.List`1[System.String]
03.02.2025 22:09:03: Running HawkOptimization with parameters: 2 10 2 on System.Collections.Generic.List`1[System.String]
03.02.2025 22:09:19: Running HawkOptimization with parameters: 2 10 2 on System.Collections.Generic.List`1[System.String]
03.02.2025 22:09:43: Running HawkOptimization with parameters: 2 10 2 on System.Collections.Generic.List`1[System.String]
03.02.2025 22:09:52: Running HawkOptimization with parameters: 2 10 2 on SphereFunctionRosenbrock
03.02.2025 22:37:11: Running HawkOptimization with parameters: 2 10 2 on
03.02.2025 22:44:18: Running HawkOptimization with parameters: 2 10 2 on
03.02.2025 22:44:21: Running System.Collections.Generic.List`1[System.String] on
03.02.2025 22:48:39: Running HawkOptimization with parameters: 2 10 2 on
03.02.2025 22:48:43: Running HoneyBadgerAlgorithmHarrisHawksOptimization on
03.02.2025 22:50:27: Running HoneyBadgerAlgorithmHarrisHawksOptimization on
03.02.2025 22:50:37: Running HoneyBadgerAlgorithmHarrisHawksOptimization on eeee
03.02.2025 22:53:01: Running HoneyBadgerAlgorithmHarrisHawksOptimization on SphereFunction
03.02.2025 22:53:06: Running HawkOptimization with parameters: 2 10 2 on
03.02.2025 22:53:55: Running HawkOptimization with parameters: 2 10 2 on SphereFunctionRosenbrock
03.02.2025 23:44:54: Running HawkOptimization with parameters: 2 10 2 on SphereFunctionRosenbrock
03.02.2025 23:44:58: Running HoneyBadgerAlgorithmHarrisHawksOptimization on SphereFunction
04.02.2025 08:31:22: Running HoneyBadgerAlgorithmHarrisHawksOptimization on SphereFunction
04.02.2025 08:31:36: Running HawkOptimization with parameters: 2 10 2 on SphereFunctionRosenbrock
04.02.2025 11:39:12: Running HawkOptimization with parameters: 2 10 2 on SphereFunctionRosenbrock
04.02.2025 11:39:16: Running HoneyBadgerAlgorithmHarrisHawksOptimization on SphereFunction
04.02.2025 12:15:21: Mean 15,99683478770029 with coeff: 42,99261232871702

04.02.2025 12:17:26: Mean 29,558401569806904 with coeff: 6,147684422355233
04.02.2025 12:17:34: Mean 21,919012702525198 with coeff: 9,509992464373015
04.02.2025 12:17:38: Mean 31,903428901228033 with coeff: 2,6572585914090077
04.02.2025 12:20:13: Mean 31,4732791032489 with coeff: 9,267421731579656
04.02.2025 12:21:34: Mean 0 with coeff: 0
04.02.2025 12:21:44: Mean 6,856737400084967E-14 with coeff: 0
04.02.2025 12:26:39: Mean 1,8676733842694417E-27 with coeff: 1,0358570272519192E-31
04.02.2025 12:40:53: Mean 9,843063031885071E-27 with coeff: 1,8943168590391592E-30
04.02.2025 12:54:25: Mean 3,0561291338679974E-06 with coeff: 1,2191500945008996E-17
name:
04.02.2025 12:54:42: Mean 7,726795436088548E-29 with coeff: 4,468241849798167E-31 name:
04.02.2025 14:01:20: {
"Id": "f86540ac-03c1-4645-b2a9-ad2af77e746b",
"AlgorithmName": "HoneyBadger",
"PopulationSize": 40,
"Iterations": 40,
"Dimension": 2,
"CreatedAt": "2025-02-04T13:01:20.7380016Z",
"TestResults": [
{
"FitnessFunctionName": "Sphere",
"ResultF": 5.841163644445764E-32,
"Mean": 1.1107136309489793E-28,
"StandardDeviation": 2.0463694832416456E-28,
"CoefficientOfVariation": 184.23916176244762
},
{
"FitnessFunctionName": "Rosenbrock",
"ResultF": 3.963056830743658E-07,
"Mean": 0.00035754647252445493,
"StandardDeviation": 0.0006986651626060949,
"CoefficientOfVariation": 195.40541336435885
}
]
}
04.02.2025 14:36:19: Running HoneyBadgerAlgorithm, HarrisHawksOptimization on
SphereFunction
04.02.2025 15:00:43: {
"Id": "d257e5b7-372b-4245-ade6-7f30b9e3b3c2",
"AlgorithmName": "HoneyBadger",
"PopulationSize": 40,
"Iterations": 40,

```
"Dimension": 2,
"CreatedAt": "2025-02-04T14:00:43.2676961Z",
"TestResults": [
{
"FitnessFunctionName": "Sphere",
"ResultF": 6.229894616163345E-33,
"Mean": 1.801337895326099E-28,
"StandardDeviation": 4.1664064906434275E-28,
"CoefficientOfVariation": 231.29511134218248
},
{
"FitnessFunctionName": "Rosenbrock",
"ResultF": 3.1033153874824044E-07,
"Mean": 5.342666403957415E-05,
"StandardDeviation": 7.762501364396408E-05,
"CoefficientOfVariation": 145.29264560943903
}
]
}
04.02.2025 15:00:49: Running HoneyBadgerAlgorithm, HarrisHawksOptimization on
SphereFunction
04.02.2025 15:32:33: {
"Id": "df069f9c-2a09-46ce-8674-9b8040ef2471",
"AlgorithmName": "HoneyBadger",
"PopulationSize": 40,
"Iterations": 40,
"Dimension": 2,
"CreatedAt": "2025-02-04T14:32:33.1708819Z",
"TestResults": [
{
"FitnessFunctionName": "Sphere",
"ResultF": 1.0099462690442877E-31,
"Mean": 5.159132750058712E-27,
"StandardDeviation": 1.4079532432564966E-26,
"CoefficientOfVariation": 272.9050232794405
},
{
"FitnessFunctionName": "Rosenbrock",
"ResultF": 1.450661598965591E-08,
"Mean": 8.241692989628254E-05,
"StandardDeviation": 0.00021731266191384196,
"CoefficientOfVariation": 263.6747840368705
}
```

```
}  
]  
}
```

04.02.2025 15:32:39: Running HoneyBadgerAlgorithm, HarrisHawksOptimization on
SphereFunction