

Baselining...

Model: Schaffer

Tue, 14 Oct 2014 14:03:07 GMT

Searcher: Particle Swarm Optimization

Settings:

phi1: 1.3

Iterations: 100

Min: -100

Max: 100

Number of Particles: 30

phi2: 2.6

Energy: 1.469E-5

Searcher: Differential Evolution

Settings:

cf: 0.3

Iterations: 100

Min: -100

Max: 100

NP: 100

f: 0.75

Energy: 3.584E-6

Searcher: Genetic Algorithm

Settings:

Max: 100

Generations: 400

Population: 50

crossover: 0.6

Min: -100

Energy: 3.222E-6

Searcher: Simulated Annealing

Settings:

Max: 100

Cooling Factor: 0.7

Iterations: 2000

Min: -100

Energy: 3.300E-6

Searcher: Max Walk-SAT

Settings:

Max: 100
Retries: 100
Iterations: 100
Min: -100
Energy: 8.785E-4

rank	,	name	,	med	,	iqr	
1	,	Genetic Algorithm	,	3.22E-06	,	1.46E-11	(*), 3.22E-06, 3.22E-06, 3.22E-06, 3.22E-06, 3.22E-06
1	,	Simulated Annealing	,	3.24E-06	,	1.30E-07	(*), 3.22E-06, 3.23E-06, 3.24E-06, 3.30E-06, 3.50E-06
1	,	Differential Evolution	,	3.33E-06	,	5.31E-07	(*), 3.22E-06, 3.24E-06, 3.34E-06, 3.70E-06, 4.32E-06
1	,	Particle Swarm Optimization	,	6.15E-06	,	8.61E-06	(*), 3.27E-06, 3.50E-06, 6.22E-06, 9.61E-06, 2.69E-05
1	,	Max Walk-SAT	,	5.53E-04	,	1.35E-03	(--- * -----), 2.98E-05, 2.84E-04, 6.55E-04, 1.44E-03, 2.21E-03

Model: Kursawe

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Searcher: Particle Swarm Optimization
Settings:
phi1: 1.3
Iterations: 100
Min: -5
Max: 5
Number of Particles: 30
phi2: 2.6
Energy: 3.876E-7

Searcher: Differential Evolution
Settings:
cf: 0.3
Iterations: 100
Min: -5
Max: 5
NP: 100
f: 0.75
Energy: 4.687E-8

Searcher: Genetic Algorithm
Settings:
Max: 5
Generations: 400
Population: 50
crossover: 0.6

Min: -5
Energy: -8.753E-7

Searcher: Simulated Annealing
Settings:
Max: 5
Cooling Factor: 0.6
Iterations: 2000
Min: -5
Energy: -6.970E-7

Searcher: Max Walk-SAT
Settings:
Max: 5
Retries: 100
Iterations: 100
Min: -5
Energy: 2.405E-6

rank	,	name	,	med	,	iqr	
1	,	Genetic Algorithm	,	-8.80E-07	,	1.75E-08	(*), -8.91E-07, -8.83E-07, -8.80E-07, -8.72E-07, -8.52E-07
1	,	Simulated Annealing	,	-7.36E-07	,	2.23E-07	(*), -8.56E-07, -7.95E-07, -7.36E-07, -5.86E-07, -4.65E-07
1	,	Differential Evolution	,	7.79E-08	,	3.35E-07	(*), -2.59E-07, -6.09E-08, 8.91E-08, 2.15E-07, 3.53E-07
1	,	Particle Swarm Optimization	,	3.83E-07	,	5.79E-07	(*), -8.82E-08, 1.96E-07, 3.85E-07, 5.41E-07, 9.93E-07
1	,	Max Walk-SAT	,	2.20E-06	,	1.26E-06	(*--), 1.32E-06, 2.05E-06, 2.24E-06, 2.93E-06, 3.71E-06

Model: Fonseca

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Searcher: Particle Swarm Optimization
Settings:
phi1: 1.3
Iterations: 100
Min: -4
Max: 4
Number of Particles: 30
phi2: 2.6
Energy: 2.929E-6

Searcher: Differential Evolution
Settings:
cf: 0.3

Iterations: 100
Min: -4
Max: 4
NP: 100
f: 0.75
Energy: 2.929E-6

Searcher: Genetic Algorithm
Settings:
Max: 4
Generations: 400
Population: 50
crossover: 0.6
Min: -4
Energy: 2.929E-6

Searcher: Simulated Annealing
Settings:
Max: 4
Cooling Factor: 1.99
Iterations: 2000
Min: -4
Energy: 2.929E-6

Searcher: Max Walk-SAT
Settings:
Max: 4
Retries: 100
Iterations: 100
Min: -4
Energy: 1.436E-4

rank	,	name	,	med	,	iqr	
1	,	Genetic Algorithm	,	2.93E-06	,	2.10E-13	(*), 2.93E-06, 2.93E-06, 2.93E-06, 2.93E-06, 2.93E-06
1	,	Simulated Annealing	,	2.93E-06	,	2.54E-12	(*), 2.93E-06, 2.93E-06, 2.93E-06, 2.93E-06, 2.93E-06
1	,	Differential Evolution	,	2.93E-06	,	6.23E-11	(*), 2.93E-06, 2.93E-06, 2.93E-06, 2.93E-06, 2.93E-06
1	,	Particle Swarm Optimization	,	2.93E-06	,	3.62E-10	(*), 2.93E-06, 2.93E-06, 2.93E-06, 2.93E-06, 2.93E-06
1	,	Max Walk-SAT	,	5.42E-06	,	1.78E-05	(*-----), 2.94E-06, 3.02E-06, 6.68E-06, 1.94E-05, 4.99E-04

Model: ZDT1

Searcher: Particle Swarm Optimization

Settings:

phi1: 1.3

Iterations: 100

Min: 0

Max: 1

Number of Particles: 30

phi2: 2.6

Energy: 2.154E-6

Searcher: Differential Evolution

Settings:

cf: 0.3

Iterations: 100

Min: 0

Max: 1

NP: 100

f: 0.75

Energy: 2.084E-6

Searcher: Genetic Algorithm

Settings:

Max: 1

Generations: 400

Population: 50

crossover: 0.6

Min: 0

Energy: 1.610E-6

Searcher: Simulated Annealing

Settings:

Max: 1

Cooling Factor: 0.007

Iterations: 2000

Min: 0

Energy: 1.698E-6

Searcher: Max Walk-SAT

Settings:

Max: 1

Retries: 100

Iterations: 100

Min: 0

Energy: 2.421E-6

rank ,	name ,	med	iqr
1 ,	Genetic Algorithm ,	1.61E-06	3.86E-08 (*
1 ,	Simulated Annealing ,	1.66E-06	1.30E-07 (*
1 ,	Differential Evolution ,	2.08E-06	8.06E-08 (*
1 ,	Particle Swarm Optimization ,	2.15E-06	5.33E-08 (*
1 ,	Max Walk-SAT ,	2.44E-06	1.72E-07 (*

Model: ZDT3

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Searcher: Particle Swarm Optimization

Settings:

phi1: 1.3

Iterations: 100

Min: 0

Max: 1

Number of Particles: 30

phi2: 2.6

Energy: 2.142E-6

Searcher: Differential Evolution

Settings:

cf: 0.3

Iterations: 100

Min: 0

Max: 1

NP: 100

f: 0.75

Energy: 2.091E-6

Searcher: Genetic Algorithm

Settings:

Max: 1

Generations: 400

Population: 50

crossover: 0.6

Min: 0

Energy: 1.601E-6

Searcher: Simulated Annealing

Settings:

Max: 1

Cooling Factor: 0.007

Iterations: 2000
Min: 0
Energy: 1.659E-6

Searcher: Max Walk-SAT
Settings:
Max: 1
Retries: 100
Iterations: 100
Min: 0
Energy: 2.431E-6

rank	,	name	,	med	,	iqr	
1	,	Genetic Algorithm	,	1.60E-06	,	5.60E-08	(*), 1.56E-06, 1.58E-06, 1.60E-06, 1.62E-06, 1.65E-06
1	,	Simulated Annealing	,	1.63E-06	,	9.64E-08	(*), 1.58E-06, 1.61E-06, 1.63E-06, 1.69E-06, 1.82E-06
1	,	Differential Evolution	,	2.09E-06	,	5.28E-08	(*), 2.05E-06, 2.07E-06, 2.09E-06, 2.12E-06, 2.14E-06
1	,	Particle Swarm Optimization	,	2.14E-06	,	6.27E-08	(*), 2.09E-06, 2.12E-06, 2.14E-06, 2.17E-06, 2.21E-06
1	,	Max Walk-SAT	,	2.43E-06	,	1.42E-07	(*), 2.30E-06, 2.37E-06, 2.43E-06, 2.47E-06, 2.61E-06

Model: Viennet3

Tue, 14 Oct 2014 14:21:55 GMT

Searcher: Particle Swarm Optimization
Settings:
phi1: 1.3
Iterations: 100
Min: 0
Max: 1
Number of Particles: 30
phi2: 2.6
Energy: 1.111E-7

Searcher: Differential Evolution
Settings:
cf: 0.3
Iterations: 100
Min: 0
Max: 1
NP: 100
f: 0.75
Energy: 5.908E-8

Searcher: Genetic Algorithm
Settings:
Max: 1
Generations: 400
Population: 50
crossover: 0.6
Min: 0
Energy: -3.429E-9

Searcher: Simulated Annealing
Settings:
Max: 1
Cooling Factor: 0.007
Iterations: 2000
Min: 0
Energy: 7.730E-9

Searcher: Max Walk-SAT
Settings:
Max: 1
Retries: 100
Iterations: 100
Min: 0
Energy: 4.843E-7

rank	,	name	,	med	,	iqr	
1	,	Genetic Algorithm	,	-3.51E-09	,	2.77E-10	(*), -3.64E-09, -3.55E-09, -3.51E-09, -3.31E-09, -3.09E-09
1	,	Simulated Annealing	,	6.55E-09	,	1.24E-08	(*), -3.70E-09, 9.65E-10, 6.79E-09, 1.19E-08, 2.25E-08
1	,	Differential Evolution	,	6.13E-08	,	6.01E-08	(*), 1.35E-08, 3.99E-08, 6.21E-08, 8.09E-08, 1.08E-07
1	,	Particle Swarm Optimization	,	1.05E-07	,	8.69E-08	(*), 4.69E-08, 6.76E-08, 1.10E-07, 1.35E-07, 2.06E-07
1	,	Max Walk-SAT	,	4.85E-07	,	2.92E-07	(*), 2.44E-07, 3.67E-07, 4.86E-07, 6.26E-07, 7.80E-07

Model: DTLZ7

Tue, 14 Oct 2014 14:22:31 GMT

Searcher: Particle Swarm Optimization
Settings:
phi1: 1.3
Iterations: 100
Min: 0
Max: 1
Number of Particles: 30

phi2: 2.6
Energy: 1.836E-5

Searcher: Differential Evolution
Settings:
cf: 0.3
Iterations: 100
Min: 0
Max: 1
NP: 100
f: 0.75
Energy: 1.754E-5

Searcher: Genetic Algorithm
Settings:
Max: 1
Generations: 400
Population: 50
crossover: 0.6
Min: 0
Energy: 9.432E-6

Searcher: Simulated Annealing
Settings:
Max: 1
Cooling Factor: 0.007
Iterations: 2000
Min: 0
Energy: 1.071E-5

Searcher: Max Walk-SAT
Settings:
Max: 1
Retries: 100
Iterations: 100
Min: 0
Energy: 2.216E-5

rank	,	name	,	med	,	iqr	
1	,	Genetic Algorithm	,	9.44E-06	,	1.94E-07	(*), 9.19E-06, 9.35E-06, 9.45E-06, 9.51E-06, 9.65E-06
1	,	Simulated Annealing	,	1.07E-05	,	7.74E-07	(*), 9.91E-06, 1.06E-05, 1.07E-05, 1.10E-05, 1.15E-05
1	,	Differential Evolution	,	1.75E-05	,	1.01E-06	(-*), 1.67E-05, 1.73E-05, 1.75E-05, 1.79E-05, 1.83E-05
1	,	Particle Swarm Optimization	,	1.84E-05	,	1.43E-06	(-*), 1.71E-05, 1.79E-05, 1.85E-05, 1.89E-05, 1.95E-05
1	,	Max Walk-SAT	,	2.24E-05	,	1.87E-06	(-- *-), 2.01E-05, 2.14E-05, 2.24E-05, 2.28E-05, 2.47E-05