File - Lamarck_main

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 1 /Users/meijiaojiao/opt/anaconda3/envs/RunToEnd/bin/python /Users/meijiaojiao/Desktop/Evolution_algorithm/stuck in local minima/L/Lamarck_main.py
 2 [['iterations', 'mutation_rate', 'num_individuals', 'crossover_probability', 'Mutation_type', 'Crossover_type', 'local_search_rate', 'Local_search_type', 'R']]
 3 [[1000000, 1.0, 200, 0.6, 'Normal', 'Probabilistic_crossover', 0.5, 'Uniform', 0.1]] [579]
 4 2022-11-20 20:18:07
 5 Now testing Function21
 6 Times is 0
 7 Iter at 1998,  best solution is -1.01520E+01,  optima is -10.1532,  similarity is 8.43898E-02,   phenotype is [4.000252825772904, 4.000068242445687, 3.9976765605401483, 4.002679408168862]
 8 Iter at 3998,  best solution is -1.01525E+01,  optima is -10.1532,  similarity is 2.19122E+00,   phenotype is [4.000252825772904, 4.000068242445687, 4.000461509867895, 4.002679408168862]
 9 Iter at 5998,  best solution is -1.01525E+01,  optima is -10.1532,  similarity is 7.65644E-01,   phenotype is [4.000252825772904, 4.000068242445687, 4.000461509867895, 4.002679408168862]
10 Iter at 7998,  best solution is -1.01525E+01,  optima is -10.1532,  similarity is 1.04977E+00,   phenotype is [3.999948935396853, 4.000068242445687, 4.000461509867895, 4.002679408168862]
11 Iter at 9998,  best solution is -1.01525E+01,  optima is -10.1532,  similarity is 0.00000E+00,   phenotype is [3.999948935396853, 4.000068242445687, 4.000461509867895, 4.002679408168862]
12 current optimal is -10.1532,global minima is -10.1532,similarity is 0.27387077155308015
13
14 Process finished with exit code 0
15
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