Name-Suman-Kumar
Roll-18IM30022
Effect of Parameters on Solution

Default value
Starting Solution=[0,-5]
Starting Temperature=1000
Maximum Runs=1000
Cooling Factor=0.9
max_accept=40
step size for local search=1

Starting Solution	Number of Evaluation	Best Solution
[-5,5]	1198	1.8781 4.3150
[-5,0]	1212	-1.1297 1.5810
[0,-5]	1206	1.1836 1.3245
[5,5]	1200	1.9215 4.1742

Starting Temperature	Number of Evaluation	Best Solution
1000	1246	-0.4858 -0.3240
800	1242	-1.9586 2.4456
600	1219	-1.1645 1.2565
400	1186	-0.0699 -0.1530

Maximum Runs	Number of Evaluation	Best Solution
1000	1222	0.0155 -0.6690
700	1169	-1.8620 3.0268
300	1204	-0.6054 2.0381
100	1143	1.4178 2.8988

Cooling Factor	Number of Evaluation	Best Solution
0.7	1235	1.5597 3.3220
0.75	1237	0.8921 -0.1943
.80	1244	0.2822 -0.5931
.90	1298	2.1526 4.7119

max_accept	Number of Evaluation	Best Solution
100	1267	1.2144 1.3935
80	1266	1.4709 -2.6528
60	1234	1.2957 0.4802
40	1234	-2.0371 -0.1144

step size for local search	Number of Evaluation	Best Solution
1000	1124	1.3260 1.1304
800	1110	0.5277 1.8643
600	1124	-0.1568 1.9678
400	1138	1.9273 1.7073