

CCNU-UOW

CSCI964 Computational Intelligence

Spring 2020

Laboratory Exercise 8 (Week 8)

1 Task One: Genetic Algorithms

Using Scikit-opt toolbox (you could find the toolbox at: <https://github.com/guofei9987/scikit-opt>) for optimization (finding the max value) on the following function:

$$f(x) = x + 10\sin(5x) + 7\cos(4x), \quad x \in [0, 10] \quad (1)$$

2 Task One: Genetic Algorithms

Using Scikit-opt toolbox for optimization (finding the max value) on the following function:

$$f(x) = y\sin(2\pi x) + x\cos(2\pi y), \quad x, y \in [-2, 2] \quad (2)$$