Matthew Daniel

CS 415

February 9, 2017

Sub Project 1a Write-Up

**Summary:**

To alter the genetic algorithm from class, I plan to use a different fitness function from the list provided. The Schwefel function that was briefly discussed in class seems promising. Additionally, I will vary mutation rates while holding the population size and number of iterations constant. I also want to increase the complexity of the crossover function. This may look something like picking random (or predetermined) sections of the DNA to exchange between the organisms passed into the crossover function.

An example graph of the data may look something like:

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Final Project 1 Write-Up