Group 2 Project Proposal

Zachary Estrada Chandini Jain Jonathan Lai March 29, 2012

Abstract: Group 2 proposes to study the convergence properties of simulated annealing, genetic algorithms, and ant-colony approaches towards finding optimal solutions for various travelling salesman problems. Code will be tested to find convergence rate, wall-clock time, and for solution space exploration. For future studies, we will consider looking at parallel and/or GPU solutions to accelerate algorithms.

- 0.1 Introduction
- 0.2 Simulated Annealing
- 0.3 Genetic Algorithms
- 0.4 Ant-Colony Approaches
- 0.5 Analysis