Abstract

Traffic Flow maximization is one of the crucial problems in designing a city. It directly affects the daily life of the people living in that city. It is a complex problem, one that in most cases cannot be deterministically solved. This paper proposes using evolutionary algorithms to solve that problem. This paper compares existing work and traffic flow with solutions yielded by evolutionary approach, and the results show that it is beneficial to adopt this strategy when designing traffic light timings.

Index Terms

Computer Science
Algorithms

Keywords
Evolutionary Algorithm  Traffic Light Optimization  FTGA  MTGA