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.

References

- Daniel Krajzewicz, Jakob Erdmann, Michael Behrisch, and Laura Bieker. Recent development and applications of SUMO - Simulation of Urban MObility. International Journal...

Index Terms

Computer Science

Algorithms

Keywords

Evolutionary Algorithm Traffic Light Optimization FTGA MTGA