Abstract

This paper discusses a proposed system for acquiring the next intersection timing and generating the required speed at current intersection to cross next intersection without stopping at it. The system is speed module for next intersection prediction embedded in intelligent traffic light control system at intersection. It can also be designed for GPS based navigation system. For efficiently predicting the time and speed required for crossing next intersection without stopping at it, a centralized approach is taken into account, the distance between current intersection and next intersection and traffic signal timings of next intersection are considered as input to the system. The traffic signal timings are more on highway than on city road. System then generates the required speed in range to cross next intersection without stopping at it. Speed generated by the system is in specified range like 32Km/Hr to 40 Km/Hr. Also it cannot exceed the speed limit of road.

References

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Speed Range Prediction for Traffic Light Control System

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Index Terms
- Computer Science
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