عنوان مقاله:

A Novel Vehicle Tracking Method with Occlusion Handling Using Longest Common Substring of Chain-Codes

نویسندگان:

Elham Shabani Nia - *Computer Engineering Department, Sharif University of Technology, Tehran, Iran*

Shohreh Kasaei - *Computer Engineering Department, Sharif University of Technology, Tehran, Iran*

خلاصه مقاله:

Vehicle tracking is an essential requirement of any vision based Intelligent Transportation System for extracting different traffic parameters, efficiently. Handling inter-object occlusion is the most challenging part of tracking as a process of finding and following interested objects in a sequence of video frames. In this paper we present a system, based on code-book background model for motion segmentation and Kalman filter for tracking with a new approach for occlusion. This approach separates occluded vehicles based on longest common substring of chain codes. We use this tracking system to estimate some traffic parameters. Experimental results show the efficiency of the method

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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