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Digital Image and Signal Processing
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IJCA Proceedings on National Conference on

NCDISP 2016 - Number 1

Year of Publication: 2016

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{bibtex}ncdisp201632.bib{/bibtex}

Abstract

Vehicle count is increasing by the day in urban area. Vehicle detection plays an important role in road traffic applications. By using vehicle detection methods different traffic parameters such as vehicle speed, density, volume, traffic flow rate, travelling time, congestion level can be calculated and these methods can be applied for vehicle tracking, vehicle classification, parking area monitoring, road traffic monitoring and management etc. Various real time vehicle detection methods have been proposed by researchers. The objective of this paper is to present the various approaches for real time vehicle detection using image processing, also to provide comparison of these methods along with pros and cons of each method.

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Computer Science

Index Terms

Image Processing

Keywords

Real Time Vehicle Detection Traffic Monitoring vehicle Tracking Image Processing