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Abstract

Automatic reading of number plate in vehicles is a character recognition system, which detects the characters from the segmented number plate of the vehicle image. The work presented in this paper is to segment the characters initially from the number plate followed by recognition of the segmented characters. The skew corrected and noise free number plate image is initially segmented into its constituent parts to obtain the characters individually through projection

profile technique. Later the segmented individual characters are subjected to recognition using template matching technique. Experimentation is carried out to find the recognition efficiency from the segmented number plate of the vehicle image obtained under different environment conditions.

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Index Terms

Computer Science

Pattern Recognition

Keywords

Number Plate Segmentation Projection Profile Recognition Template Matching