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Abstract

Vision based system for Optical Number recognition (ONR) deals with the recognition of processed numbers rather than magnetically processed ones. ONR is a process of automatic recognition of numbers by computers in images and digitized pages of text. ONR is one of the most fascinating and challenging areas of pattern recognition with various practical applications. It can contribute immensely to the advancement of an automation process and can improve the interface between man and machine in many applications. Moments and functions of moments have been extensively employed as invariant global features of images in pattern recognition. This paper shows the implementation and analysis of ONR, regardless of orientation, size and position, feature vectors are computed with the help of statistical moments.

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Keywords

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