Abstract

This paper deals with the problem of extracting the text information from complex ground from color document images. Developing general framework for separating the foreground text and background information from complex document image is still a challenging problem because of its high unpredictability and complexity. In this paper a new interval type-2 fuzzy based
thresholding method is proposed for processing color document images. The proposed method is experimented with varying background of multiple colors and texture and foreground text in any color, font, size and orientation. Experimental results show that the performance of the proposed approach is better than the existing ones.

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Index Terms

Computer Science  
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Key words

Document image preprocessing
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