Abstract

Image segmentation is the separation of an image into sections or groups, which correspond to various objects or division of objects. After analyzing and going through the literature survey, the various gaps in study have been found like not much work have done over mixed regions and the effect of color have been neglected by various researchers. So to overcome these kinds of problems new methodologies have been proposed. A new hybrid image segmentation by using FELICM, $L_0$ gradient minimization and the progressive switching median filter has been proposed in this paper. The proposed algorithm has been designed and implemented in MATLAB using image processing toolbox. The experimental results have shown that the proposed method has been more suitable for obtaining the better quality of the image than the most of the existing methods.

References

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**Index Terms**

Computer Science  
Image Processing
Enhanced the Performance of Remote Sensing Color Image Segmentation by using L0 Gradient Minimization

Keywords
Image Segmentation  Remote Sensing and FELICM