**عنوان مقاله:**

Performance Analysis of Segmentation of Hyperspectral Images Based on Color Image Segmentation

**محل انتشار:**

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**نویسندگان:**

Praveen Agrawal - *Poorima College of Engineering, Department of Electronics & communication Engineering, Jaipur, Rajasthan, India*

Shilpi Jain - *Poorima College of Engineering, Department of Mathematics, Jaipur, Rajasthan, India.*

Ruchika Garg - *MIT, Department of Electronics & communication Engineering, Jaipur, Rajasthan, India*

**خلاصه مقاله:**

Image segmentation is a fundamental approach in the field of image processing and based on user's application .This paper propose an original and simple segmentation strategy based on the EM approach that resolves many informatics problems about hyperspectral images which are observed by airborne sensors. In a first step, to simplify the input color textured image into a color image without texture. The final segmentation is simply achieved by a spatially color segmentation using feature vector with the set of color values contained around the pixel to be classified with some mathematical equations. The spatial constraint allows taking into account the inherent spatial relationships of any image and its color. This approach provides effective PSNR for the segmented image. These results have the better performance as the segmented images are compared with Watershed & Region Growing Algorithm and provide effective segmentation for the Spectral Images & Medical Images

**کلمات کلیدی:**

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