Abstract

In this paper a hybrid technique for the segmentation of image has been proposed and it is named as MSNCut technique. Here image segmentation is the process of dividing the given image into number of regions that possess similar properties such as color, texture and intensity which are useful for the image analysis. The image is generic here, in other words image may be tree, river, building, medical or any general image. In this proposed method first the input image is pre-processed by mean shift algorithm to divide it into its constituent regions. Then the resultant image is represented as a bi-partite graph and finally the resultant graph (image) is processed under normalized cut to classify the image into meaningful classes.

References

Image Segmentation using MSNCut Algorithm

International Conference on Communication, Management and Information Technology (ICCMIT), 2015.


Index Terms

Computer Science   Algorithms

Keywords

Segmentation, MSNCut, Mean Shift, Minimal cut, Clustering.