Abstract

Image segmentation is a process of partitioning an image into a set of non-overlapping regions. The goal of segmentation is to simplify and/or change the representation of an image into something that is more meaningful and easier to analyze. In this paper we have segmented a RGB image and a multispectral image. The image has been segmented through three threshold techniques (i.e., Iterative threshold techniques, Otsu’s threshold technique, Local Threshold Technique). Thresholding techniques are computationally simple and never fails to define disjoints regions with closed boundaries. Threshold technique is one of the important techniques in image segmentation. Thresholding techniques converts a colored
image or gray scale image into binary or bimodal image (foreground and background image). The advantage of obtaining binary image through Thresholding technique is that it reduces the complexity of the data and simplifies the process of recognition and classification.

References

- Xue Dong Yang, Xiaoxing Chen and Mingyuan Chen, “Scale Space Local Thresholding and Segmentation.”

Index Terms

Computer Science Emerging Trends in Technology

Keywords

Image Segmentation Thresholding Iteration Multispectral Image And Binary Image