Abstract

Image segmentation is the process of assigning a label to every pixel in an image such that pixels with the same label share certain characteristics. In discontinuity based approach images are partitioned on the basis of abrupt changes in intensity, such as edge detection, line detection and point detection. In this paper we are a multilevel masking based image segmentation technique which will analyze the image information more accurately.

References

4. Comparative study of image segmentation techniques and object matching using segmentation by Sapna Varshney, S. Sch. of Inf. Technol., Guru Gobind Singh Indraprastha Univ., Delhi, India; Rajpal N.; Purwar, R.

5. Research Review For Digital Image Segmentation Techniques by Ashraf A. Aly1, Safaai Bin Deris2, Nazar Zaki3

6. Efficient Graph-Based Image Segmentation by Pedro F. Felzenszwalb, Artificial Intelligence Lab, Massachusetts Institute of Technology; Daniel P. Huttenlocher, Computer Science Department, Cornell University.


Index Terms

Computer Science
Image Processing

Keywords

Image Segmentation, Masking, Edge detection, Region Growing, Region Splitting, Thresholding, Entropy, Peak to Signal Noise Ratio