Abstract

Image Segmentation is as essential technique in image processing area to distinguish important object from unnecessary background substrates. Most of the image segmentation methods are based on the “Cloud Histogram” or Density Variation Concept which cannot be capable to work with individual value of the histogram of image. The “Hill Climbing” based
Multilevel Thresholding technique will overcome the limitation and it is applicable to the value of
image histogram directly to recognize the absolute pitch point turn over. This technique is based
on individual value of histogram column. The highest folds of the image histogram curve play a
major role in graphical resolution and visual orientation. This research perspective is not given
importance in the field of histogram clustering yet.

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Index Terms

Computer Science

Signal Processing

Keywords

Image Segmentation

Hill Climbing Algorithm

Differential Tangent Equation

Local Minima
Local Maxima