Abstract

Active contour models has already under study from the past many years, several methods have been proposed for forming contours. Active contour are the curves that are generated by the computer that move within an images to find boundaries of the object in an image. They are also used in image analysis and computer vision to recognize and find objects, and to describe their shape. In the proposed system Active Contour Model that segments one or many regions of the image that are visually alike to an object of interest said as prior. The probability density function is used for extracting the color feature by applying heuristic rule, and then the new proposed shape detection algorithm is used to detect the photometric feature shape of the object in an image. For accurately segmenting object in an image. The proposed system provides the accurate results on real world and synthetic datasets.

References

1. Michela Lecca, Stefano Messelodi, Raul Paolo serapioni. “A New Region Based Active
Contour Model for Object Segmentation” Springer, J Math Imaging Vis 2015


**Index Terms**

Computer Science

Circuits and Systems

**Keywords**

Active contour model, Probability density function and heuristic rules.