Abstract

Edge is an abrupt change that occurs in an image. Edge detection is one of the most prevalent problems in image processing. Edge Detection is the approach used most frequently for segmenting images based on abrupt changes in intensity. It is a concept that covers a number of fields in today’s environment. In this paper, a state-of-the-art review of the conventional Edge Detection Techniques is presented. The paper also presents a state-of-the-art review of Soft Computing Techniques such as Fuzzy Logic, Genetic Algorithm, Neural Networks, Evolutionary Computation, Swarm Intelligence etc. for Edge Detection Problem. Further, an analysis of the review is also presented.

References


36. M. Gandomkar, M. Vakilian and M. Ehsan, “A Combination of Genetic Algorithm and Simulated Annealing for Optimal Distributed DG Allocation in Distributed Networks,”

37. M. Abdulghafour, “Image segmentation using Fuzzy logic and genetic algorithms,”


**Index Terms**

Computer Science  
Software Engineering

**Keywords**