Abstract

These are many techniques are used in earlier research work many techniques are used to solved the problem of edge detection but all of them having disadvantages in form of speed, noise etc. So the hybrid technique used to producing better result than the other edge detection techniques like canny, prewit, sobel and Roberts. The hybrid approach based edge detection can successfully reduce the poor speed issue with ant colony optimization. The color based gradients has the ability to remove the effect of the false edges while preserving the potential edges.

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Index Terms

Computer Science

Image Processing
Keywords

Image Segmentation, Edge Detection, Various Edge Detection Approaches, Hybrid Approach.