Abstract

Edge detection is one of the most commonly used and one of the most important operations in image processing which reduces the useless information while retaining the important structural properties of an image. Here a comparative study of Sobel, Roberts, Prewitt, LoG, Canny, Zerocross algorithms are conducted and corner points using Harris Corner detection algorithm on the image are obtained after applying edge detection operators.

References

- Raman Maini, Dr. Himanshu Aggarwal, "Study and Comparison of Various Image Edge Detection Techniques";
A Comparative Assessment of the Performances of Different Edge Detection Operator using Harris Corner Detection Method

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**Index Terms**

Computer Science  
Image Processing

**Keywords**

Sobel  Roberts  Prewitt  LoG  Canny  Zerocross  Harris Corner