Abstract

Edge detection is the most frequently and important used operations in image analysis. The edges of the image defined the boundaries and regions of the image. In this paper several edge detection techniques have been applied on Equalized image of different categories of Fishes like Fresh water fish, Salt water fish, Poisonous Fish, Dangerous fish and all fishes are belongs to different fish family and fish classification in image processing using different filters which are basically based on gradient method like Sobel, Prewitt, Roberts, Log Based and Canny edge detector. Canny Method gave better performance among all other methods like Sobel, Prewitt, Roberts, Log. The Experimentation done in software MATLAB 12.0

References

2. Beant Kaur, Anil Garg," Mathematical Morphological Edge Detection For Remote
Main text: 


Index Terms

Computer Science  Image Processing

Keywords
Various Edge Detection Techniques on different Categories of Fish

Edge Detection, Gradient based edge detection, Laplacian based edge detection