

## **COMPARISON OF DIFFERENT EDGE DETECTION METHODS FOR VARIOUS COOL WEATHER CONDITIONS**

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### **Abstracts**

Edge detection is one of the methods to analyze the different type of images. In this paper analyzing the images in cool weather condition in hills area. Images are taken at particular time period on a day. Climate changes are common in the earth such as valleys, hills areas, deserts, beach and lakes. Which gives change in edge area of images by change in luminosity, humidity and in the direction of the sunlight. In This work to find the suitable method for climate condition through analysis the edge detected images. Six different edge detection method are used like Sobel, Prewitt, Robert, canny, Laplacian Of Gaussian and zero crossing to analyze the weather condition and finally the result of methods are compared.

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**Keywords:** edge detection, images analysis, sensor, sunlight, weather condition.