

Abstract

Corner detection of digital image aims to find all corners in an image and to recognize the pattern that belongs to it. If corners in an image are recognized, its information will be retrieved easily. Curvature Scale Space (CSS) is one of methods to detect corners in digital image which has excellence in handling images with high intensity noise and T-junction. This final project would analyze performance of Curvature Scale Space (CSS) with some parameters values based on detection rate and error detection.

The tests and analysis results showed that variation of parameters value like sigma, threshold, curvature, and angle give important influences to CSS's performance. In whole tests, black and white image gave better results than greyscale images. Choosing the correct parameters value can increase CSS's performance.

Keywords: image, noise, Canny, corner detection, CSS