

Abstract

Detection of edge at digital image aim to recognize a pattern found on itself image. recognized of pattern at a image will be easy go of informations at a image. Shen-Castan represent one of the method in detecting edge at a digital image which have excellence in handling image owning intensity of nosie which high relative. At this final duty will to analyse performance of method of Shen-Castan pursuant to (error detection), FOM (Figure of Merit) at level of it's percentage of nosie, variation of assess trhreshold, smooth factor and election of window size.

Of conducted examination, value of threshold at hit by image is nosie and without nosie have value of FOM is same and election of optimal of value of smooth factor and of window size will influence of it's performance in detecting itself edge. Ever greater of value of smooth factor hence will more and more edge pixel which is not detected or lose. The measure of Window size ever greater size do not guarantee to improve performance.

Key word : Nosie, Shen-Castan, edge detection, FOM