

Abstract

Digital Image is a kind of image, that is very easy for used, like for image transmission as the data, enhancement and processing. When image is implemented in our life, example in sending process through satellite or near cable, it often happened interference that causing the noise into the image.

In this Final Project, it has been analysed and implemented the used of *NormalShrink* method based on wavelet to yield threshold which is used for denoising process (noise removing). The noise which is used in this final project are *additive gaussian noise*, *additive laplacian noise* and *impulsive noise* which is generated by noise generator.

From the experiment result, *NormalShrink* method is good enough for noise removing, and the better performance between denoising process performance in spatial domain and frequency domain.

Key words : wavelet, denoising, *NormalShrink*, *additive gaussian noise*, *additive laplacian noise*, *impulsive noise*