

Abstract

Nowdays growth of digital image followed by growth of image tools which is camera, but it has many lacks which is sensitivity of motion is very high, this causes image becomes degraded or blurred. Therefore, we need to restore the degraded image.

In this Final Project has been implemented a software using Matlab 7.1 for image restoration using Inverse Filtering. This Method is one of method in domain frequency using Discrete Fourier Transform (DFT). It processes with make an inverse with function of Point Spread Function (PSF). The inverse results are multiplied with the degraded image so it will return the true image.

In analysis process will be comparing the result of Inverse Filtering and Wiener Filtering. For calculating performance will be calculating in qualitative value with calculating performance the image result of Inverse Filtering using Peak Signal to Noise Ratio (PSNR).

Keyword : Inverse Filtering, DFT, PSF, thresholding, blur.