Abstract

usually whenever images is captured by satellite in different environment like landscape, forests, hills, dark, shiny, oceans region and different geography. Than we have to improve these images because without clear images it's really hard to get information. There are several methods used to improve the observation of these images like Histogram Equalization Technique, Local Histogram equalization technique, Discrete Cosine Transform, and Discrete Wavelet Transform method (DWT). All these technologies face troubles like failure of image info, loss of edge details etc. Wavelet transforms have become one of the very important and very powerful tool of signal representation and we can enhance our images by using this technique. Bicubic interpolation is used as an midway stage for appraising high frequency components and it is more refined than the nearest neighbor and bilinear techniques. The proposed technique has the benefits of superior resolution, sharper image and smoother edges by the DWT and bicubic.

References


4. Rafael C Gonzalez,”Digital image processing ”.


Index Terms

Computer Science Image Processing
Keywords

Image Enhancement, DWT, Bicubic interpolation, satellite capture image.