

Abstract

In the concept of a traditional medical examination, the condition of surface state of the human tongue is used as a tool in the examination of someone disease. The decision examination based on information abnormalities and change in color and texture of the outer surface layer patient's tongue. In this final task, Content Based Image Retrieval is developed based on colour features. Characteristic features extracted from images using Wavelet Correlogram method. Wavelet feature extraction is used as Correlogram application of traditional tongue diagnosis using common features and changes color information beyond the surface layer of the human tongue to each class a different disorder. This Wavelet Correlogram Method to transform the image into multiple images by using wavelet transform. Results of wavelet transformation to quantization into m values and calculated the probability of a value j of the value of i at a given distance d in an image. Image feature information can be obtained from the measurement of some parameters wavelet correlogram. To determine the effect of the parameters of this feature, it is necessary to do a comparison of each parameter. And based on test results, the extraction by using the Lifting Wavelet Transform and Daubechies $db1$ wavelet basis with the level of decomposition level 3 provides the results of better accuracy compared with each other feature parameters.

Keyword: *Content Based Image Retrieval, Wavelet Correlogram, wavelet transform, Lifting Wavelet Transform, Daubechies $db1$, level dekomposition.*