

Abstract

On this final project, developing image retrieval based on color and texture feature. Color feature is extracted using Color Correlogram, which is this method count the probability of finding a pixel of color j at a distance d from a pixel of color i in the image. To extracting texture feature, used Gray Level Co-occurrence Matris(GLCM) method. GLCM will count the probability of combinations pair pixels grey level occur in an image. The texture information is described by the measure some of properties based on the co-occurrence matrix. Using combination both feature extraction will be reduce some process such as comparing image which is not relevant. So that, images that haven't similarity color and texture feature will be eliminated with combination filter. The final query ranking is based on the total normalized distance in both feature. To get an effect from combining this features, it's necessary to comparing each feature. And, based on experimental results, using combination of color and feature texture show the accuracy result better than each feature.

Keyword: *image retrieval, Color Correlogram, Gray Level Co-occurrence Matrix, texture feature, color feature*