Automated Color Logo Recognition Technique using Color and Hog Features

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 170
Number 2

Year of Publication: 2017

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10.5120/ijca2017914715

Abstract

This research work purposes an automated system for the identification of the color logo images. Color logo images are recognized using a color feature namely Color Moments and an Histogram Oriented Gradients feature. Color is modeled using Mean and Standard Deviation. Firstly we extract color moments feature from an image, and then we consider histogram analysis and make a summation of each color color bin. Classification is done using Support Vector Machine Classifier (SVM). Experimental verification is done using a dataset of 500 images divided into 10 classes.

References


**Index Terms**

Computer Science Image Processing

**Keywords**

Logo recognition, color features, histogram features, SVM classifier.