



# A Novel Content Based Image Retrieval Using Variance Color Moment

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**Abstract-** Today, as the creation and digitization of images and image retrieval have become easier, huge image databases have become more popular. The area of retrieve images based on the visual content of the query picture intensified recently, which demands on the quite wide methodology spectrum on the area of image processing. Content Based Image Retrieval (CBIR) has therefore evolved into necessity. Due to the increased garbage value it is very important to design a CBIR system to retrieve images from the database in a very efficient manner. In this paper we are going to propose a color image retrieval method based on the primitives of color moments. All the primitives are used as features and each class mean is merged into a single class mean. The distance between the input query image mean with the corresponding database images are calculated by using SAD method. The analysis results proved that the CBIR using our new method has the better performance than the existing method.

**Keywords:** Content Based Image Retrieval, Primitives of Color Moments

