Abstract

We introduce a simple and efficient method for coloring the gray-scale images into the color images with the existing color map or with creating a new one. The general problem of adding chromatic values to a gray-scale image has no exact solution, the current approach attempts to provide a method to minimize the amount of human labor required for this task, rather than choosing RGB colors to individual components, we convert the entire gray-scale image to color by creating a color map then the color map is to be used to color the gray scale image.

We show that this simple method can be successfully applied to a variety of gray scale images and it can be applicable in different applications.

References

1. Rafael C. Gonzalez (University of Tennessee), Richard E. Woods (MedData Interactive)
Creating a Color Map to be used to Convert a Gray Image to Color Image


Index Terms

Computer Science Image Processing
Keywords

Gray scale image, RGB image, colormap, look up table, interpolation.