Abstract

In this paper, we present a common palette creation algorithm for multiple images with transparency information. The proposed algorithm supports creation of a common palette for multiple images, transparent alpha images and flexibility to the user to add a color to the palette. This method was extensively tested for natural and synthetic images and the results are reported here. The experimental results show that the proposed method produces highest Structural Similarity Index values and outperforms existing state-of-the-art color reduction methods.

Reference

Common Palette Creation Algorithm for Alpha and sRGB Images


Index Terms
Computer Science          Image Processing

Key words
sRGB
Common Palette
Extensively Tested