Abstract

A watermarking scheme suitable for color images is given. The algorithm is based on the well-known matrix factorization technique of the singular vector decomposition. This is achieved by using the fact that a color image can be broken into the RGB channels. These channels are then treated separately as matrices on which the matrix factorization is applied. These matrices are then used to present the embedding and extraction algorithms. We also study how our watermarking technique performs under various attacks.
Reference

Digital watermarking of color images in the singular domain


Index Terms

Computer Science
Multimedia
**Key words**

| Watermarking | Color Images | Singular
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