

عنوان مقاله:

Color Image Compression Using Singular Value Decomposition

محل انتشار:

اولین همایش رویکرد های نوین در مهندسی کامپیوتر و فناوری اطلاعات (سال: 1390)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

The RGB component of a color image contain redundant information that can be reduced using singular value decomposition. This method produces a color image with the same number of pixels as the original color image, but each pixel represented by a scalar value instead of a three dimensional vector of RGB components. The goal of the SVD method is viable compression method for typical color photographic images, and we present how this method is used to minimize the size needed to store image.

کلمات کلیدی:

Color image compression, RGB, SVD

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