Abstract

To embed watermark is a way to increase the robustness of the image. In this paper the singular value decomposition (SVD) based image watermarking scheme is proposed. The output result of SVD is more secure and robust. In the proposed scheme D and U components are used for embedding watermark. Unlike other transforms which uses fixed orthogonal bases, SVD uses non fixed orthogonal bases. The result of SVD gives good accuracy, good robustness and good imperceptibility in resolving rightful ownership of watermarked image. With the increased use of SVD watermarking scheme, the watermarking technology in the transform domain has been greatly developed.

Reference

Index Terms

Computer Science
Evolutionary Computation

Key words
Watermark
Singular value decomposition (SVD)
extracting
embedding