Abstract

Watermarking can be described as a desirable alternative solution for copyright protection of digital materials like images, video and audio. This paper introduced a modified watermarking method in Wavelet domain to get better performance. Particle Swarm Optimization (PSO) is used to find the best DWT coefficients in the HL sub-band for embedding the watermark sequence and PSO fitness function can be formed from the watermarked image with the best possible quality, and proved execution time.

References


**Index Terms**

Computer Science | Image Processing

**Keywords**

Watermarking  
discrete wavelet transform (DWT)  
particle swarm optimization (PSO)  
and translation map (TM)  
round map (RM)