Abstract

Authentication of multimedia contents is introduced as a tool to improve the security against unauthorized manipulation and misappropriation. The risks increased when dealing with an open environment like the Internet. This paper proposes a multiple watermarking techniques using dominant blocks of wavelet coefficients in mixed scales and moment invariant methods as
Multiple Watermark for Authentication and Tamper Detection using Mixed scales DWT

a complementary safety measure. The logic of use the blocks dominants map is that local features such as contours or edges are unique to each image. In addition, these dominants blocks have proven to be useful in detecting possible alteration in the temperate region of the image-based data.

Reference


Index Terms

Computer Science
Security
**Key words**

<table>
<thead>
<tr>
<th>Watermarking</th>
<th>Authentication</th>
<th>Content-Based Wavelet</th>
</tr>
</thead>
</table>