

The main objective of this work is to provide multilevel water marking scheme. As the success of internet and digital consumers devices showing its drastic influence on society. It raises a big concern how to protect our data without unapproved modifications. These are problematic in areas like copyright protection, content authentication, information hiding, and covered communications. There are many algorithms of digital watermarking to address this issue. In this we introduce the local binary pattern (LBP) operators into image watermarking fields. The original LBP operator measures the local contrast of pixels widely used in the texture of classification and face recognition. By its extensions we define Boolean function operations on calculating LBP patterns, and adjust one or more of the pixels in the neighborhood to make the function results consistent with the bits of embedded watermarks to realize watermark embedding in spatial domain. In this we explain the principle of watermarking embedding and extraction processes by using the single-level watermarking technique.



S. Udaya Bhaskar
Raja Reddy Duvvuru



Dr. S. Udaya Bhaskar, Associate Professor,
Department of Mechanical Engineering, Malla Reddy
Engineering College (A), Secundrabad.
Dr. Raja Reddy Duvvuru, Associate Professor,
Department of Electrical & Electronics Engineering,
Malla Reddy Engineering College (A), Secundrabad.

Multiple Security Based On Spatial Water Marking Technique



 **LAMBERT**
Academic Publishing

**S. Udaya Bhaskar
Raja Reddy Duvvuru**

Multiple Security Based On Spatial Water Marking Technique

FOR AUTHOR USE ONLY

FOR AUTHOR USE ONLY

**S. Udaya Bhaskar
Raja Reddy Duvvuru**

**Multiple Security Based On
Spatial Water Marking
Technique**

FOR AUTHOR USE ONLY

LAP LAMBERT Academic Publishing

Imprint

Any brand names and product names mentioned in this book are subject to trademark, brand or patent protection and are trademarks or registered trademarks of their respective holders. The use of brand names, product names, common names, trade names, product descriptions etc. even without a particular marking in this work is in no way to be construed to mean that such names may be regarded as unrestricted in respect of trademark and brand protection legislation and could thus be used by anyone.

Cover image: www.ingimage.com

Publisher:

LAP LAMBERT Academic Publishing

is a trademark of

Dodo Books Indian Ocean Ltd., member of the OmniScriptum S.R.L
Publishing group

str. A.Russo 15, of. 61, Chisinau-2068, Republic of Moldova Europe

Printed at: see last page

ISBN: 978-620-0-23029-4

Copyright © S. Udaya Bhaskar, Raja Reddy Duvvuru

Copyright © 2022 Dodo Books Indian Ocean Ltd., member of the
OmniScriptum S.R.L Publishing group

FOR AUTHOR USE ONLY