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Image steganography using uncorrelated color space and its application for security of visual contents in online social networks

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**Highlights**

1. A secure framework for ensuring the security of visual contents in online social networks.
2. Image scrambling using a light-weighted image scrambler before data embedding.
3. Encryption of sensitive contents using iterative magic matrix-based encryption algorithm.
4. Data hiding using an adaptive LSB substitution method.

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