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## Reversible Data Hiding in Encrypted Image with Separable Capability and High Embedding Capacity

Chuan Qin , Zhihong He , Xiangyang Luo , Jing Dong

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## Highlights

- A novel, high-capacity, reversible data hiding scheme in encrypted image is proposed.
- Classification for encrypted blocks is conducted based on RLC pre-processing.
- RLC and LSB compression are used to vacate room from two types of encrypted blocks.
- Progressive decryption is applied to obtain better quality of direct-decrypted image.
- Coding length judgment and hash authentication guarantee accuracy of image recovery.

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