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Pose-Robust Face Recognition with Huffman-LBP Enhanced by Divide-and-Rule Strategy

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Highlights

- A novel LBP-like feature is proposed which takes the contribution of contrast value into consideration by Huffman coding.
- The Divide-and-Rule strategy is applied to both face representation and classification with the goal of improving the robustness to pose variation.
- Face representation via Region Selection Factor (RSF) is suggested in our method to treat the face images of different poses specifically rather than generally.
- In order to further make the method tolerate the rotations, we perform the face classification at the patch-level using a patchbased SRC fusion classification strategy.

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