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Supervised Deep Hashing for Scalable Face Image Retrieval

Jinhui Tang, Zechao Li, Xiang Zhu

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Highlights

- We propose a novel Deep Hashing based on Classification and Quantization errors for face image retrieval.
- It jointly learns feature representations of images, hashing functions and classifiers.
- The quantization errors and the prediction errors jointly guide the learning of the deep network.
- The DeepFeature layer is fully connected to both the third and fourth layers to capture multi-scale features.
- Experiments on three benchmarks demonstrate the superior performance of our work.

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