

Abstract

Disclosed are a multimodal identity authentication method and apparatus, a storage medium, and a device. The multimodal identity authentication method comprises: acquiring two groups of multi-modal biometric data; comparing same modality biometric data among the two groups of multi-modal biometric data, to obtain inter-group comparison scores of the multiple modalities; determining a comparison result of each modality according to the inter-group comparison score of each modality and a comparison threshold set for each modality, and performing weighted voting on the comparison result of each modality according to a weight set for each modality to obtain a decision fusion result, wherein the weight of each modality is determined according to the distribution of comparison scores of a training sample set of the modality and the false rejection rate of the training sample set of the modality; and judging whether the two groups of multi-modal biometric data belong to same person according to the decision fusion result. Further disclosed in the present disclosure is a multimodal liveness detection method and apparatus, a storage medium and a device for multimodal identity authentication.