Abstract

Automatic person identification is an important task in computer vision and related applications. Multimodal biometrics involves more than two modalities. The proposed work is an implementation of person identification fusing face, ear and iris biometric modalities used PCA based neural network classifier for feature extraction from the face and ear images and hamming distance for calculating iris templates. These features fused and used for
Multimodal Biometrics using Face, Ear and Iris Modalities

Better result was obtained if the modalities were combined. Identification was made using Eigen faces, Eigen ears, Template of iris and their features tested over the self created image database.

References

- R. Singh, M. Vatsa, A. Noore. et al. Integrated multilevel image fusion and match score fusion of visible and infrared face images for robust face recognition[J]. Pattern
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Keywords
Multimodal Biometrics  Pca  Eigen Faces  Eigen Ears  Euclidian Distance  Hamming Distance.