

MULTIMODAL BIOMETRIC SYSTEM USING IRIS FUSION

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ABSTRACT

Biometric system is automated recognition of persons based on their biological or/and behavioral Characteristics. Automated dimension of these characteristics of person are depending upon the application context. A biometric system may be noted either as a verification system or an identification system. The main contribution of this study is the comprehensive survey of existing and development of new improvements which can be applied to filters parameter selection, filters construction, and feature computation. They are combined to provide a complete framework for optimally efficient computation of Gabor features. To make the proposed framework the most valuable and useful the implementation is distributed as public software. Hence, in real-time applications single biometric may not able to achieve the desired performance requirement. Such problems are overcome using multimodal biometric systems. It combines the information from multiple sources to arrive at a decision. Such, multimodal biometric systems can achieve better performance when compared with unimodal systems.

KEYWORDS: Gabor Filter, Iris Recognition, Multimodal Biometric