

A Blood Group Determination using Fingerprint

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Abstract: *Fingerprint patterns highlight the most authentic and unique distinctive human identity. This unique pattern is unchangeable and remains unchanged until the death of an individual. Fingerprint evidence is highly visible in various circumstances, especially in court proceedings. While the distinctive fields of all people are unprecedented, the likelihood of similarity is very low, at almost 66 million. This difference also applies to the same replica. The individualistic comb pattern remains unchanged from birth and serves as a constant aspect of personal identity. This article presents a method that involves comparing specific feature patterns from fingerprints in personal identification systems. Fingerprint data is also used when examining blood type measurements. During the fingerprint adjustment process, the frequency of the comb is evaluated and spatial features are extracted with Gabor filters for this particular purpose. As a result, blood type determination can be performed using fingerprint analysis*

Keywords: Blood type determination, fingerprint pattern, comb frequency, Gabor filter, folding net

