



Combined Optical and Neural Network Fingerprint Matching (Classic Reprint) (Hardback)

By Charles L Wilson

Forgotten Books, 2017. Hardback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Combined Optical and Neural Network Fingerprint Matching Figure 2 shows a histogram of peak correlations for gray (a) and binary inputs (b). For each of 20 randomly chosen fingerprints, a holographic filter was fabricated and tested against the 200 fingerprints in the nist database. Therefore each plot involves correlations. Each peak correlation value was obtained by taking the maximum value in the correlation plane. In case of gray inputs shown in (a), all 20 autocorrelations peak at the maximum value Cross-correlations distribute in a Gaussian shape with a peak at 0, fwhm of around 15, and the maximum at 60. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any...

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