

Recognition of Tifinagh Characters with Missing Parts Using Neural Network

Authors : El Mahdi Barraah, Said Safi, Abdessamad Malaoui

Abstract : In this paper, we present an algorithm for reconstruction from incomplete 2D scans for tifinagh characters. This algorithm is based on using correlation between the lost block and its neighbors. This system proposed contains three main parts: pre-processing, features extraction and recognition. In the first step, we construct a database of tifinagh characters. In the second step, we will apply "shape analysis algorithm". In classification part, we will use Neural Network. The simulation results demonstrate that the proposed method give good results.

Keywords : Tifinagh character recognition, neural networks, local cost computation, ANN

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