Abstract

Optical Character Recognition (OCR) is an area of research that has attracted the interest of researchers for the past forty years. Although the subject has been the center topic for many researchers for years, it remains one of the most challenging and exciting areas in pattern recognition. Because of the cursive nature of Persian language, recognition of its characters is more difficult than Latin or Chinese language. In this paper we propose a novel method to recognize the isolated characters of Persian language using decision tree based on structural features of characters. The system has been tested on a database including all letters of Persian language and a recognition rate of 90.56% has been achieved. Our experimental recognition results are encouraging and confirm our expectation that the use of structural features is an interesting issue of Persian character recognition.

References

A Novel Approach to Recognition of the Isolated Persian Characters using Decision Tree

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