Abstract

Handwritten Devanagari off-line characters recognition is a challenging task due to peculiarities involved in the writing styles of different person. We are collected features from 64 dimensional feature extraction techniques and shadow features for the Devanagari character recognition in this proposed scheme. These calculated features are used for further classification. Features which are used here for recognition means histograms of direction chain code of the contour points of the characters [4]. The features are classified using neural network and selected the best result by weighted majority voting technique.

References

- Nei Kato, Shin’ichiro Omachi, Hirotomo Aso, Yoshiaki Nemoto "A Handwritten Character Recognition System Using Directional Element Feature and Asymmetric Mahalanobis Distance", IEEE transactions on pattern analysis and machine intelligence, vol. 21, no. 3,
Recognition of Off-Line Handwritten Devanagari Characters using Combinational Feature Extraction

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Keywords

64 dimensional features  
Shadow features  
network and weighted majority voting technique.