A Hybrid Approach towards Cost Effective Model for Handwritten Character Recognition

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Abstract

Handwritten character is gaining a lot of attention in the area of pattern recognition as its applications in various fields are increasing day by day. HCR system is providing us with a key factor to a paperless environment. Feature Extraction is a key part for a cost effective model for handwritten character recognition. Effective features improve the recognition rate and misclassification. A hybrid model provides better performance in comparison of the individual. Convolution neural networks are viewed to be more efficient to optimize the recognition ability of HCR system.

References

- J. Pradeep, E. Srinivasan and S. Himavathi, DIAGONAL BASED FEATURE

- El-Sayed M. El-Alfy, A Hierarchical GMDH-Based Polynomial Neural Network for Handwritten Numeral Recognition Using Topological Features, ©2010 IEEE.
- Parag Dhawan, Snehlata Dongre, D. J. Tide, Hybrid GMDH Model for Handwritten Character Recognition, ©2013 IEEE.

Index Terms

Computer Science Pattern Recognition

Keywords
Features classification cost convolution neural network