Abstract

Diagnosis of mathematical symbols in handwritings is originated from Optical Character Recognition (OCR) method. Recognition of mathematical symbols increases the accuracy of calculations. In present study, hidden Markov model is applied with a new feature selection system. Considering previous studies, a lot of researches performed on mathematical symbols recognition, have used support vector machine. Test process in this method is time-consuming and it is not advised to use it. In this new approach, the result is 96.05% accuracy for Infity database and 96% for IRISA database.

References

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Index Terms

Computer Science Applied Mathematics

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Mathematical symbols, optical character recognition (OCR), hidden Markov model