Abstract

In this paper, a new technique for facial expression recognition is proposed which uses the statistical feature of the whole face and classify the expression using neural network classifier. When the face image is input, region of interest (ROI) is being obtained to evaluate the statistical feature of the face. Using these, features we classify the face into one of the seven different expressions by using multi label Back Propagation neural network classifier. To demonstrate the proposed recognition technique we use JAFFE facial database and the whole program is being implemented in MATLAB 7.0.

References

Facial Expression Recognition System using Statistical Feature and Neural Network

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Index Terms

Computer Science

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Keywords
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