Abstract

The study presents a robust yet simple technique for the extraction of lips from human face. Harris corner detection is applied on a morphologically pre-processed human face and the location and dimension of the lips along the horizontal and vertical directions are obtained. The lip dimension thus found is compared with a predetermined dimension of the same obtained through 'data cursor' operator prevailing in Matlab toolbox. The dimension obtained from the present technique is accepted only when they fall within a certain meaningful latter. The proposed technique is found to yield 88% of average correct rate of lip extraction from human faces of ORL Face Dataset.

References

Extraction of time invariant lips based on Morphological Operation and Corner Detection Method


Index Terms

Computer Science
Pattern Recognition
Keywords
Lip Extraction  Morphological Operation  Harris Corner Detector  Matlab Toolbox