Abstract

This paper presents a novel method for facial feature extraction from video. Face recognition from video has been extensively studied in recent years. Intuitively, video provides more information than a single image. When a face is partially occluded, handling the occluded part of the face is an especially challenging task. The present research work proposes the method to recognize a face from video based on face patches. First, face patches are cropped from the video frame by frame [4]. Then, face patches are to be matched to an overall face model and stitched together. By accumulating the patches, a reconstructed face is to be built which is used in recognition. Then testing has to be done in two parts. In the first part, a still face database is
to be used by randomly occluding parts of the face and using the remaining face patches in recognition. In the second part, the image is to be tested on video sequences.

References

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Index Terms

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Keywords