Abstract

Method of creating sketch from available photograph is known as sketch synthesis. To synthesize face sketch, similarity between different photograph patches is evaluated. Existing patch level method requires huge computational time and space for finding candidate photograph patches. Photograph patches are replaced by sparse coefficients using sparse coding. Sparse representation is used to select candidate photograph patches. Then greedy search is used to measure the similarity between the test photograph patch and the training photograph patch. Final candidate patches are stitched to get synthesized sketch. By using bilateral symmetry, it tends to achieve high efficiency of the system.
- Shinde Madhuri N. and Prof. Shahane Nitin M., ”Face Photo-Sketch Synthesis”, cPGCON-2016.

Index Terms

Computer Science Image Processing
Keywords
Bilateral Symmetry  Greedy Search  Sketch Synthesis  Sparse Coding.