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An Annealed Neural Network for Reliable Face Detection

D.S. Ashok Kumar

Abstract - This paper presents an annealed neural network based method for face detection. We present a robust algorithm that improves face detection and tracking in video sequences by using geometrical facial information and an annealed neural network verification. A new method, a Three Face Reference Model (TFRM), and its advantages such as allowing for better match for face verification, will be discussed in this paper.