Age changes cause major variations in the appearance of human faces. Due to many lifestyle factors, it is difficult to precisely predict how individuals may look with advancing years or how they looked with "retreating" years. This paper is a review of age variation methods and techniques, which is useful to capture wanted fugitives, finding missing children, updating employee databases, enhance powerful visual effect in film, television, gaming field. Currently there are many different methods available for age variation. Each has their own advantages and purpose. In this paper, different age variation methods with their prospects are reviewed. These are the selected methods and techniques that had been chosen for review: Anthropometric Model, Image morphing, Image Based Surface Detail Transfer (IBSDT), aging function (AGES), Gaussian Mixture Model (GMM).

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