

Recognition of Facial Expression Based on the Position of Hands Surrounding the Face Through Median Filter

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Abstract

There is an ultimate goal to design a system where machine can recognize natural interaction between humans and machines. It's crucial to design such system based on the HCI systems. This field is widely studied by many Computer Vision (CV) and Machine Learning researchers. Even many systems based on the study has been designed and implemented on the basis of its popularity such as Gesture recognition based HCI application, FER systems and the combination of these two to get better output in a human emotion recognition system. In the visual representation of gesture recognition such as body, hand, face, sign, emotions, expressions, movements of body parts are used to build such interactive system. Many challenges occurred during the design such as lightning condition, background, head

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