

基於時間分析方法的情緒辨識
Robust Emotion Recognition by Using Temporal
Reinforce Approach

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Robots have been widely used in factories today. In the future, they will go into our life to solve the problems of lack of human resources. How to make persons to accept the robots is an important issue, researchers need to consider. For example, the less and less persons engage in the work of medical care personnel. Living-aid robots must appear in the hospital to help medical care personnel. However, patients not only require the medical care but also want accompany. The robots need to recognize a person's emotion and generate various behaviors and dialogs with different emotions to interact with patients. Emotion always changes with the time and has different interpretation by the human. Sometimes, a person's emotion needs to be recognized in a while. Continuous emotion recognition can enhance accurate of recognition and makes interaction more friendly.

Through analysis of the related works, three issues need to be considered: intensity of emotion, continuity and real-time. The system focuses on fast facial features extraction, association of the past and current output for emotion recognition. Finally, the system maps emotion on the 2-D model to define the intensity and categories of the emotion.

