

Hand detection and tracking using depth and color information

MS Park, MM Hasan, JM Kim... - *Proceedings of the ...*, 2012 - weblidi.info.unlp.edu.ar

Abstract—The detection and tracking of a hand is an emerging research issue now-a-days to control the devices by hand motion. Conventional hand detection methods use color and shape information from a RGB camera. With the recent advent of the depth camera, some ...

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Multi-touchless: Real-time fingertip detection and tracking using geodesic maxima

P Krejov, R Bowden - ... and *Gesture Recognition (FG)*, 2013 10th ..., 2013 - ieeexplore.ieee.org

Abstract—Since the advent of multitouch screens users have been able to interact using fingertip gestures in a two dimensional plane. With the development of depth cameras, such as the Kinect, attempts have been made to reproduce the detection of gestures for three ...

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Intelligent system for human computer interface using hand gesture recognition

R Elakkiya, K Selvamani, S Kanimozhi... - *Procedia ...*, 2012 - Elsevier

In early days computers are operated by various interface devices, which are developed by the humans to interact with computers. Starting from Punch-cards to touch screens man has changed the human life into an unimaginable state. In this paper, a novel method for ...

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Gesture Recognition Applications in Embedded System on DSP

K Su - *Master's Thesis from NTUST*, 2013 - pc01.lib.ntust.edu.tw

This article will let gesture recognition developed in daily life, and improved remote control and touch-function's situation which is difficult to achieve. DSP (Digital Signal Process) in signal processing has a good performance, which may be achieve parallel processing operations through ...

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Finger Recognition and Tracking Algorithm Based on Single Optical Camera

R Nan, ML Yang - *Applied Mechanics and Materials*, 2014 - Trans Tech Publ

Abstract. A new synthesis method of fingertip detection based on single camera is proposed, which effectively reduces the amount of computation while not relying on hardware performance too much. It provides portability as well because single camera is easy to get in ...

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Gesture Recognition Applications in Embedded System on ARM

Y Li - 2014 - pc01.lib.ntust.edu.tw

Abstract The paper develop the gesture recognition in embedded system ARM. As long as any 3C products with receiver equipped, users can only need to use gestures to control machines instead of remote controllers or touch functionality. It reaches convenient, time- ...

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