عنوان مقاله:

Multiple Human Detection in Images Based on Differential Evolution and HOG-LBP

محل انتشار:

هشتمین کنفرانس بین المللی فناوری اطلاعات ودانش (سال: 1395)

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خلاصه مقاله:

In this paper a method for multiple human detection in the image has been presented. This method uses differential evolution (DE) algorithm to improve window position detection speed and HOG-LBP algorithm for feature extraction. Fitness function for DE algorithm is SVM and in the final state, a post-processing on detected windows by DE algorithm is performed. This method has been tested on INRIA datasets and its precision for detecting humans in the image is 92% which is better than state of the art methods.

کلمات کلیدی:

component; Human detection; DE algorithm; HOG-LBP feature; support vector machine

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