

Insight on Symmetrical Posture Detection of Human Using SIFT

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Abstract

It is proposed to develop a system for systematic evaluation process of human posture recognition in video sequences which is essential for many solicitations. Video frame has variant information such as different posture, gauge and brightness. This paper implements the algorithm Scale-Invariant Feature Transform (SIFT) to detect and recognize humans posture, in which image is invariant to scrabbling and rendition. This paper explores the application of the SIFT approach in the framework of human posture detection and can deal with the circumstantial noise disputes. The proposed detector is rotation invariant and achieves satisfactory human posture detection. Results are demonstrated based on the video frames, voice broadcast of weight lifting, footage from the movie and a cricket match, etc. To appraise the performance of the suggested algorithm, experiments have been conducted by employing an ANN classifier on a database.

Keywords

Human posture SIFT features ANN

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