



New method based on Image processing to enhanced the Accuracy and Precision Of table tennis player's performance

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ABSTRACT

Table tennis is one of the most popular sports in Olympic, Which leads to the high interest of it. Talent identification based on technologies play an effective role in sports. One of the essential technology in the sports is image processing and the use of this technology can improve the quality of the field from Talent identification pathway to be championship. The purpose of this paper is to present a method based on image processing, which leads to increased levels of accuracy and precision blows table tennis players in each Rally. This analysis also is important in talent identification and in professional competitions. Here is a video filmed by four cameras at a rate of 100 frames per second was used and for processing those images used from MATLAB image processing toolbox.

Keyword:

table tennis, Image processing, player performance, accuracy, 4 camera, ball detection

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