"Abstract"

The cluster kinematic Assessment of Javelin Throwing Female Racers as a Predictor of Education and Training

by

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This research aims to recognizing the kinematics variables of javelin throw female racers, classifying the racers into groups in the light of kinematics variables assessment and recognizing the differences between the classified groups in kinematics variables. The research sample was chosen purposefully and deliberately out of female racers with high records. They were 8 female racers who participated in the international championship in Hala, Germany. The best attempt of each racer to have a high record was selected for analysis her kinematic variables. The javelin throws of all subjects were analyzed two-dimensionally with one video camera (50 Hz), to show the dimensions and the various angles of kinematic variables. Results important, The kinematic variables of Javelin throwing female racers include the angle of the arm when bearings solo, the angle of knee maximum curvature, the angle of Javelin in the rear position, the angle of departure, the angle of the trunk in the front situation, the angle of annex when double bearings, the speed of Javelin starting, and the throwing distance. Those are the variables by which the first group is distinguished. As well as the angle of arm when double bearings, which characterized the second group. Female players of the first group are distinguished by the ...
kinematic variables related to shooting about female players of the second group and this, in turn, positively affected the throwing distance.