

## DIFFERENCES BETWEEN STUDENTS AND ATHLETES IN SPACE OF MECHANISM FOR ENERGETIC REGULATION

### **Abstract**

*Motor skills are an important segment of the anthropological space of man and are often the subject of scientific research. Due to their complex structure often in studies of this segment we have a different approach in defining the model that will serve as the basis for the selection and definition of manifest variables. Usually there is a phenomenological approach, but not rare are studies that are based on a functional model of motor skills. This work analyzes the space of motor skills of the population of students and athletes, youth ages with the aim of determining the difference in the space of the mechanism of energy regulation. The study included 90 students involved in various sports teams and 90 athletes from four athletic clubs. Twelve manifest variables from the area of energy regulation mechanism are measured. In analyzing the data, using t-test and canonical discriminant analysis the obtained results significantly explain the differences among the examinees.*

**Keywords:** *students, athletes, differences, t-test, canonical - discriminant analysis*

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