

## RELATIONS OF MORPHOLOGICAL AND SPECIFIC MOTORIC DIMENSIONS AT BOXERS

### **Summary**

*The sample of testees in this research was presented by 92 boxers aged from 22 to 29, from Croatian clubs, described with 12 morphological and 8 specific boxing variables. The results of the canonical correlation analysis showed that the relations between the canonical factor from the system of variables of specific motoric abilities, which was interpreted as the integral canonical factor of strong boxer's coordination in the scope of speed and the canonical factor of growth and development are statistically important at level .00 ( $P=.00$ ), which means that the boxers of this level of quality and of this kind of morphological characteristics acquire very good results in specifically motoric abilities, which thoroughly confirms the hypothesis of positive connection between those two fields. Based on the results acquired in the research in this way, it could be concluded that it is necessary to have an optimal specific boxer's motoric ability and an optimal morphological development being developed at the integral-interactive basis for performance of particular variables from the system of specific motoric abilities, which thoroughly confirms the hypothesis that it is not possible to develop one segment whereas the other one remains intact by such kind of influences. These pieces of information can be important factors in programming transformation processes in box and martial arts in general.*

**Key words:** *boxing, morphological dimensions, specific dimensions*