

IDENTIFICATION OF NATURAL PROCESSES WITH BOYS OF HIGHER GRADES OF PRIMARY SCHOOL

Abstract

In the survey of development processes with boys of higher grades of primary school, the method of maximization of a common variability shared by 13 antropomotor ability variables, which was later taken off from the original data, was applied and thus the part of result which was specific and represented the form of biological development in results was obtained. The data mentioned were put under the procedure of identification which resulted in five dynamic indicators referring to development of children representing the segments of total composite of the process in whole. The continuous decrease of coordination functions as well as the continuous development of fat tissue were recognized. The two subprocesses, that is the development of strength and explosiveness, continued their intensive upward development after the initial decrease. The particularly interesting development includes somatic functions with domination of musculature development, which acts in that way that it precedes the development of the mentioned features of strength and explosiveness, accompanied by cyclical oscillations. It is supposed that such a kind of rules referring to children development features should be incorporated into curriculum of teaching and sport activities in order to reach the aims of work with young people and avoid confusion, injuries and other kinds of destructive tendencies in young age, which perhaps occur precisely because of ignorance of children development features.

Key words: processes, children, identification