

## **Abstract:**

- **Title:** Kinematic analysis of take – off in long jump.
- **Purposes:** Closely evaluation of angular, temporal and velocity characteristics of take-off leg during take-off in the long jump. Confrontation of characteristics by the separate jumpers and appoint technical determinants on basis of measurement.
- **Methods:** 2D kinematics analysis.
- **Results:** We evaluated take-off characteristics in long jump on basis of 2D kinematics analysis and found out relative stability of these characteristics during take-off in long jump.
- **Key words:** track and field, athletics, long jump, take-off, kinematics analysis