

Objectives of thesis work: The objective of this thesis work is to summarise and analyse the existing knowledge related to interaction of foot with sole while in the course of quasistable and dynamic activities and scope of detection of this interaction.

Method: Solution over the mentioned objective, it will process the available information and knowledge related to the studies of fact correlation while reacting between foot and sole in the form selected and annotated literature search.

Results: In this thesis work, it has been described the interaction of foot and its surroundings. As far as the concern of quasistable situation - standing, were found the solution of this problem prescribed in the available literature where it has been described with large number of individual methodology of different authors. The dynamic situation – walking, the point pressure distribution is described uniquely. For the massive variability the interaction of foot with sole has not been prescribed the universal method of interaction analyse. In this thesis work, it is described the extensional methods which detect the relation between foot and sole. For more complexity of last part of the body – foot, was not possible to determine the measure or calculation methods, which can of course describe the whole load of those elements in the interaction with sole. The existing methods have been illustrated. So, it can give feasibility to describe the load of each individual local construction elements.

Key words: foot, standing, walking, method of detection