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The ergonomic analysis and estimation of forest adaptation for people on wheelchairs

Abstract

The possibility to take part in some forms of environmental recreation is very important for handicapped people. Active forms of recreation are very helpful in human body health and strength regeneration. These are also very important for social integration of disabled and able-bodied people. Recreation in forest has some more advantages, as forest sites have therapeutic and healthy characteristic. In this paper an ergonomic estimation of Warsaw urban forest transport accessibility for handicapped people on wheelchairs is discussed. Some area objects, paths and roads (technical parameters, type of surface) are taken into account in the research. Technical parameters of forest recreation facilities with anthropometry data of handicapped people on wheelchairs are compared as well.

Keywords: ergonomics, anthropometry, recreation, forestry, disability