

Abstract

This thesis concerns with the issues of transit analysis in a transit network. In the theoretical part, based on the research of specialized literature, there are suggested parameters for creating a transit network regarding health condition of seniors. In the practical part, there is described the process of creating the transit network, creating parameters of movement in the transit network and analysis of the final ideal route using ESRI ArcGIS 10.5. extension Network Analyst. The final route is compared with the results of other commonly available platforms. Comparison of the results confirmed functionality of set parameters and showed possibilities for further use.

Key words:

Transit network, network analysis, Network Analyst, ESRI ArcGIS 10.5., routing problem, parameter