

This document concerns with the network analysis of accessibility and space inclusion of the Prague public traffic stops. The main theme of the background research is accessibility and network analysis problematics. During analysis, the ESRI ArcGIS 9.3 software was used to test the time accessibility zone hypothesis as well as households' and companies' distribution. The map of spatial inclusion was also created for separate types of transports as well as for all public transport stops in Prague as well. The hypothesis of space public transport stop inclusion area increase away from center was proven to be true, however the dependancy of the households allocation in relation to the city center was not proven. The similiraity between households and companies allocation was found not to be fully provable.

key words: accessibility, space inclusion, network analysis, Prague public city transport, ESRI ArcGIS 9.3