

GeoGraphLab : un outil pour l'exploration des propriétés structurelles d'un réseau de transport

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Abstract

We present here a tool called GeoGraphLab which allows to explore structural properties of a transportation network. Our tool is built upon the network analysis map concept. Such a map is constituted in an Origin-Destination relationship space, a measure on the network, a view in which it is possible to aggregate areas and a legend which permits to segment the view by classes of values in different colors. At a higher level, tool provides to users a graphical combination environment where it is possible to cross the maps parameters between them. This maps combinations permit to build a network exploration tree. Latter offers a decrease on complexities inherent to structural analysis of a transportation network : combinatory, algorithmic and visual.

Key-words: Transportation network, networks analysis and exploration, extraction of information, model