



Development and Assessment of Semi-Automatic GIS Generalization module

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Abstract

The objective of the research is to study the GIS generalization, evaluate the major GIS generalization software packages and develop a new GIS generalization module. A case stud area with various data sets has been used for evaluation arid testing processes. Different generalization functions are implemented. The developed module proves its efficiency and potentiality to be applied in different generalization processes from large-scale to a small scale. This module performs the generalization processes on both spatial and attributes database components. Many experiments are performed to evaluate the developed module using different data sets. The results prove that this module is efficient. accurate and successful.

Keywords

GIS Generalization , Digital Mapping , Spatial Generalization ,
