

Digital Mapping of Toponym Placemen

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Toponym placement is one element of a map, it can be associated with the various Geo-spatial features linked to the attributes. A reasonable distribution of toponym placement will directly affect the information that a map contains. In the processes of mapping, placement is a very time-consuming and laborious work.

With the development of GIS in recent years, digital mapping capacity has been increasing dramatically. Many Chinese references in the digital mapping and geographic information science have a lot of professional experience, but are not good at cartographic skills. As a result, many poor designs of maps in Chinese have reduced the information dissemination functions and influenced qualities of mapping.

The operational model of toponym placement established in this research would be coded and integrated into GIS using the principle of toponym placement. The results showed that it would upgrade the efficiency of automatic procedures and the quality of map making.