

## **Analysis on Conversion Methods in Electronic Coal-Mine Maps from AutoCAD to MapGIS**

With the popularity of GIS technology in China, more and more people are starting to produce GIS maps other than using AutoCAD. Electronic coal-mine mapping system focuses on providing digital electronic GIS maps and its related information which is based on GIS technology. Normally electronic coal-mine maps are created under AutoCAD environment based on AutoCAD's strong data collecting and digitizing functionalities for the last decades. With the occurrence and popularity of MapGIS product in China, many GIS users are trying to import electric coal-mine maps to MapGIS from other mapping products. So it becomes an important topic now about how to fast and accurately converting the coal-mine maps from AutoCAD environment to MapGIS environment. This paper will discuss the data conversion method from AutoCAD to MapGIS.

*Keywords and phrases:* Electronic coal-mine mapping system; MapGIS; AutoCAD

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