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Design and Realization of MapSUV Rural Land Surveying Palm Mapping System

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ABSTRACT

The original surveying tools and methods are backward and low efficient and they will also generate lots of errors in the National secondary land surveying. MapSUV rural land surveying palm mapping system (MapSUV palm mapping system) based on 3S techniques, combines MapGIS rural land surveying database management system. It supports the spatial location information collection and attributes data entry. By combining with GPS receiver, it ensures high accuracy in small volume, which greatly facilitates land surveying. This paper main researched system structure, function module design and key techniques. It introduced the practical process of map spot attribute checking and map spot boundary. Then it gave the application assessment. The results shows that this system greatly improves the work efficiency of outdoor surveying and shorten the time of land surveying, database build and updating.

KEYWORDS

secondary land surveying; palm mapping; MapSUV

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