

Conceptual Model Construction and Analysis of the Full Natural Resources Features Based on Geographical Space

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SUMMARY

The complexity of natural resource features causes the difficulty in conducting "multi-regulation and integration" system and overall management, and it is urgent to construct a conceptual model of natural resources full features. Through exploring the relationship between surveying and mapping geographic information and natural resources informatization, and analyzing the key problems of their interoperability from three aspects: the transformation from land to land space, the unification of features to full features, and the deduction from natural resources data to pan-maps, the Full Natural Resources Features Model(NRFFM) is established to describe natural resources with four packages. Several modeling processes with spatial and temporal characteristics are used to validate and correct NRFFM, and the analysis reflects the model's robustness.

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