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GIS概念模型系统的理论探讨

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摘要: 讨论了GIS(Geographic Information System)的概念模型, 提出了多库互操作和构架基概念; 对GIS概念模型的几个基本问题: GIS的本身结构, 地理信息载体下的属性信息表达, 综合地理信息的互操作和GIS的构架基模型进行了较充分的阐述, 给出了GIS的理论框架。

关键字: GIS 概念模型 空间信息 多库连动互操作 构架基

THEORETICAL ANALYSIS OF CONCEPTUAL MODEL SYSTEM OF GIS

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Abstract: The conceptual model system of GIS(Geographic Information System) was discussed, which includes the analysis, investigation and resolvents of GIS conceptual constructure and its inner mechanism such as the fundamental constructure of GIS, information expression of 3-d geographical space, inter-operation of Multi-Bases management and the architecture base of GIS and so on. Three new types of conceptual model system of GIS were produced.

Key words: GIS conceptual model spatial information expression inter-operation of Multi-Bases management architecture base of GIS

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