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THE SAGE GEOGRAPHIC ANALYSIS SYSTEM

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ABSTRACT :

This paper describes the design and implementation of a geographic analysis system, SAGE. We present a classification of geographic analysis database queries and two geographic data manipulation modes.

Then, after establishing a database model for geographic objects, we specify a series of integrity constraints on the time/space elements of the geographic database and discuss a means of ensuring the structural coherence of geographic objects.

KEYWORDS : database, relational language, geographic objects, cadaster, graphics, integrity constraints, structural coherence.

* French acronym for "Système d'Analyse Géographique"

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