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## 大坝强震安全监测预警决策系统的数据库研究(PDF)

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Title: Study on database of decision-making system of dam strong earthquake monitoring and safety early warning for dam

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关键词: 大坝结构; 强震监测; 数据库系统; 远程管理

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摘要: 针对大坝强震监测的远程分析与信息化管理中数据库系统的建设问题进行了论述和研究,内容包括监测系统对数据库的管理、大坝强震监测系统数据库的划分及其相互关系,对系统的软件、硬件控制后台数据库的工作原理进行了概括介绍。结合现代计算机技术,基于MapGis、C++ Builder实现了相关数据库的构建,开发了大坝强震分析程序,并介绍了部分研究成果。

Abstract: In this paper, the construction of database systems for remote analysis and information management of dam earthquake monitoring was discoursed and studied, which includes monitoring systems database management, division of database in dam earthquake monitoring system and the relationship between the databases. The working principle of system software and hardware's controlling the background database was generally introduced. In this paper, the construction of relative database was implemented and the dam earthquake analysis program was developed based on modern computer technology, MapGis,

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