

# 中国数学地质与地学信息应用研究进展

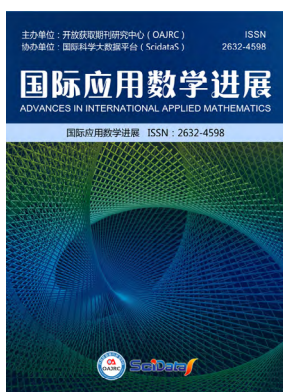
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## 摘要

本文通过对数学地质的详细说明、详细分析与查询大量相关资料, 提出了我国数学地质在地学信息领域的几种应用方式, 并主要论述数学地质在地学信息领域的地质灾害预测方法和对地质信息的评价方式, 利用计算机作为辅助手段, 使用相关数据以来建立其相关模型, 从而达到准确预测相关地质情况的最终目的。希望能够通过对其的研究和积极的探索、实践来有效的提高我国甚至全世界的矿产资源和地质灾害的定量化水平, 进而全面提高我国对资源、环境以及灾害的预测和评价能力。

关键词: 数字地质; 地学信息; 预测; 评价; 应用



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## ABSTRACT

This paper puts forward several application methods of mathematical geology in the field of geoscience information in China through detailed description, detailed analysis and query of a large number of related materials, and mainly discusses the methods and predictions of geological disasters in the field of geosciences. The evaluation method of geological information uses the computer as an auxiliary means to establish its relevant model since the relevant data is used, so as to achieve the ultimate goal of accurately predicting the relevant geological conditions. It is hoped that through its research and active exploration and practice, it will effectively improve the quantification level of mineral resources and geological disasters in China and even the whole world, and comprehensively improve China's ability to predict and evaluate resources, environment and disasters.

**Keywords:** digital geology; geoscience information; prediction; evaluation; application