



Research on the Advances of Geological Structure Survey Theory and Detection Technology

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Message from the Guest Editors

The engineering construction problems under complex geological conditions have long puzzled the geological and engineering circles. It is an important basis to ensure the smooth progress of engineering construction to find out the unfavorable geological conditions such as fractures, joints, faults and cavities in the area and construction site in detail. The development of karst has an important impact on the enrichment and migration of oil and gas resources, the distribution and runoff of groundwater resources, the development and distribution of karst related mineral resources, and engineering construction. The geological disasters caused by karst are becoming more and more frequent, and the losses are incalculable. It is particularly important to carry out the survey technology research on the underground rock mass structure and deep void area, master the refined structural characteristics of the rock mass defect area and underground space shape, and decipher the "black box" structure of the underground rock mass.

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