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影响广州市浅层地下空间开发利用的地质因素分析及分区评价

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摘要　根据广州市的工程地质特征，结合工程建设经验，综合分析岩土的工程性质、地下水、岩溶和活动断裂等主要地质因素的发育分布特征及其对地下空间开发利用的影响。据此，确定地质适宜性分区的原则，将广州市划分为地下空间开发利用适宜区、较适宜区、适宜性差区和不适宜区，并进行分区评价。

关键词　地下建筑；工程性质；适宜性；岩溶

分类号

ANALYSIS AND PARTITION EVALUATION OF GEOLOGICAL FACTORS AFFECTING SPACE DEVELOPMENT AND UTILIZATION OF SHALLOW UNDERGROUND IN GUANGZHOU CITY

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Abstract

According to engineering geological characteristics and engineering construction experiences in Guangzhou City，the main development characteristics，including geology engineering features of rock and soil mass，groundwater distribution characteristics，karst，active fracture，and the factors comprehensively affecting underground space utilization，are analyzed. Based on the analytical results，the geological adaptation partition of Guangzhou City is determined. It is deemed that Guangzhou City can be catalogued as perfectly suitable region，suitable region，poor adaptation region and inferior region. Then geological adaptation partition evaluation of above regions is given.

Key words　underground structures；engineering characteristic；adaptation；karst

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