

注浆效果检查评定技术与应用实例

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收稿日期 2005-10-3 修回日期 2006-1-27 网络版发布日期 2007-1-30 接受日期 2005-10-3

摘要 注浆技术已成为地下工程施工中重要的辅助工法, 它对于软岩加固、注浆堵水、沉降控制、渗漏整治等工程处理都有着极好的效果, 但由于目前注浆施工效果评定技术不太规范, 尚无完善的标准可以借鉴, 继而导致这项工作完成后无法进行正确的评价, 从而使许多注浆工程难以取得良好的效果。结合大量工程实践, 将注浆效果检查方法按分析法、检查孔法、开挖取样法、变位推测法和物探法进行了5类14种比较系统的分类, 并对每一种检查方法进行了技术说明。最后, 结合国内重点工程实例, 对各种检查方法进行了应用效果的探讨, 并提出了各种注浆技术的检查方法和标准, 以期对今后类似工程的注浆施工提供借鉴价值。

关键词 [岩土力学](#); [注浆](#); [效果评定](#)

分类号

EVALUATION TECHNIQUE OF GROUTING EFFECT AND ITS APPLICATION TO ENGINEERING

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Abstract

Grouting technology is an important and accessorial method to underground works for it has a good effect on reinforcement of soft rock, water blockage, subsidence control, leakage treatment, etc.. But, the grouting work can not be properly evaluated because the evaluation technology of grouting result is not canonical and no standard can be employed directly. Based on a lot of engineering cases, the grouting effect evaluation technique is catalogued as 5 kinds: analytical method, check-up hole method, construction sampling method, change guess method, and geophysical prospecting method. At last, the effects of each evaluation technique are discussed with a key project; and the evaluation technique and standard of every grouting project are presented. The achieved results can provide references to the future grouting works.

Key words [rock and soil mechanics](#); [grouting](#); [evaluation technique](#)

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