

论文

TSP预报倾斜岩层分界面误差规律性探讨

丁万涛 李术才 张庆松

山东大学岩土与结构工程研究中心, 山东 济南 250061

摘要:

基于TSP探测原理,分析TSP预报倾斜岩层分界面误差产生原因.结合实际工程实例对比分析,探讨TSP对倾斜岩层预报结果产生的误差与倾斜岩层与隧道轴线之间夹角的规律,总结得出不管隧道轴线与倾斜岩层之间的夹角的大小如何,预报的倾斜岩层分界面的位置都会比真正的分界面位置延后出现.

关键词: TSP; 超前地质预报; 误差; 倾斜岩层

Discussion on interface error regularity of inclined stratum predicted by TSP

Abstract:

Based on the detection principle of TSP, the reason to produce errors of the interface of the inclined stratum predicted by TSP was analyzed. Combined with comparative analysis of engineering examples, the regularity of angle and error of inclined stratum predicted was discussed. The result showed that the interface of the predicted inclined stratum would always appear later than the real interface, which had no relation with the angle between the inclined stratum and the axis of tunnels.

Keywords: tunnel seismic prediction; advanced geological forecast; error; inclined stratum

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通讯作者:

作者简介: 丁万涛(1975-),男,山东菏泽人,讲师,博士,主要从事节理岩体围岩稳定性分析及隧道超前地质预报的教学和科研工作. E-mail: wantaod@sdu.edu.cn

作者Email:

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