基于工程体与地质体相互作用的两体力学模型初探

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摘要 针对大坝和坝基、坝肩和库岸相互作用传统的一体两介质模型,提出了两体力学模型的 基本概念、研究思路以及应用范围;阐述了一体两介质力学模型与两体力学模型之间的差异,并▶加入引用管理器 歷本概念、明九心町以及应用范围;由之了 H271次分,以上 771次分,以上 771次分,以 体稳定性研究与评判提供了一条新的途径。

岩土力学;两体力学模型;相互作用;接触面效应 关键词

分类号

STUDY ON TWO-BODY MECHANICAL MODEL BASED ON INTERACTION BETWEEN STRUCTURAL **BODY AND GEO-BODY**

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Abstract

The interactions between gravity dams and foundations or arch dams and canyons are important for stability of dams. Based on the conventional interaction bimaterial model of dam and foundation, the two-body mechanical model is presented including the basic concept, method and application scope. The difference of bimaterial model and two-body model is verified by uniaxial compressive tests. The two-body mechanical model of dam and foundation is presented in order to provide a new method for stability analysis of dam and

Key words rock and soil mechanics; two-body mechanical model; interaction; interface effect

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