

## 節理岩盤應力影響規模之因素分析

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### 摘要

岩盤之應力影響規模常受節理傾角、勁度等因素之影響，而具有異向性分佈特徵，其間各影響因子之影響權重要程度與相互關聯不易予以量化。本研究透過 FLAC 程式大量分析各種影響異向性岩盤應力分佈規模之因素，並借由 SAS 軟體進行各影響因素間之對應分析以量化釐清各影響因素之影響程度與相互關聯。

關鍵字: 節理岩盤、應力分佈規模、對應分析、FLAC

## Correspondence Analysis of the Representative Elementary Volume for Jointed Rocks using FLAC

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### ABSTRACT

The stress distribution of jointed rock mass is highly anisotropic. This distribution behavior is mainly depended upon the factors of joint stiffness, joint spacing and dip angle. Evaluating the influence degree of these factors and their relationship is usually difficult. This paper aims to perform a series of parameter study using FLAC software and quantify the degree of stress influenced volume by these factors using correspondence analysis.

Keywords: Jointed Rock, REV, Correspondence Analysis, FLAC