عنوان مقاله:

A Review on Prediction of Slope Stability using Back Propagation Neural network

محل انتشار:

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خلاصه مقاله:

The presence of unstable slopes in dam reservoirs is a major concern for the designers of dams for hydroelectric and have necessitated a study for predicting the slope (۱۹۶۳ irrigation projects. Some failures (such as Vajont failure in stability in recent years. Over the last few years, artificial neural networks (ANNs) have been used successfully for modeling almost all aspects of geotechnical engineering problems. The current paper illustrates the application of back propagation artificial neural network for predicting the slope stability. The emphasis is given to the prediction and estimation of the safety factor and slope stability.

کلمات کلیدی:

Slope stability; Artificial Neural Network; Back propagation

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