

The Failure Mechanism of the Yanwotou Landslide

Chao Zhiming* and Ma Guotao
University of Warwick, United Kingdom

The paper is studied failure mechanism on the case of Yanwotou Landslide Group. The groundwater is the main cause of the unstable slope after analyzing on lithology and deformation features based on the detailed investigation. The calculation and evaluation of slope stability have been conducted under different kinds of working conditions. And the failure mechanism have been adopted according to the results. It will provide beneficial reference to the control of such kinds of unstable slope and further study of it.

Biography:

Zhiming Chao, PhD candidate at University of Warwick from 2017. Chao was born in Anhui Province, China, in 1991. He completed his Bachelor degree of Engineering Management in 2014 and obtained his first class Master degree of Engineering in Harbour, Coastal and Offshore Engineering from Hohai University in China in 2017. His Master dissertation is focused on the permeability of dense rock and soil by conducting laboratory experiments and numerical modelling. Currently, He is pursuing his PhD degree in the research direction on the mechanical properties of unsaturated soil under cycle dynamic loading.