A Big Earth Data Platform for Three Poles

**Based on indoor model test, material source instability and failure data and image data of slope with roots**

1、Description

A large number of engineering practices show that the total amount of slope material sources and dynamic reserves account for a large proportion of the total amount of material sources in the basin, which is an important source of debris flow after the earthquake. Through the indoor model test, this paper analyzes the sensitive factors of slope material source rainfall start-up, compares and analyzes the estimation results of slope material source dynamic reserves by engineering experience method and RUSLE model, and reveals the influence of slope re greening herb vegetation on slope material source seepage field through numerical simulation analysis on the basis of indoor model test.

2、Keywords

Theme：Engineering Geology,Geologic Hazard
Discipline：Terrestrial Surface,Solid earth
Places：Laboratory model test
Time：NONE

3、Data details

1.Scale：None

2.Projection：

3.Filesize：6.14MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：31.54 | - |
| west：104.668 | - | east：104.7 |
| - | south：31.53 | - |

5、Time frame:2019-04-30 16:00:00+00:00--2020-04-30 16:00:00+00:00

6、Reference method

References to data:

ZHANG Youyi . Based on indoor model test, material source instability and failure data and image data of slope with roots. A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2721292022

References to articles:

7、Supporting project information

Initiation pattern and evaluation method for dynamic reserves of differently originated source materials of channelized debris flows in strong earthquake area

8、Data resource provider

name: ZHANG Youyi
unit: Southwest University of Science and Technology
email: 53437391@qq.com