A Big Earth Data Platform for Three Poles

**Shaking table model test data for bedding rock slope - acceleration**

1、Description

Acceleration is an important parameter to reflect the dynamics of slope. Twenty-two acceleration sensors are arranged on the slope surface, lithological interface and inside the slope of the Xiaguiwa bedding rock model slope. An acceleration sensor is arranged on the shaking table to record the real acceleration state of the input seismic wave. The collected data are filteringed, noise reduction, screened and other processing steps to obtain the acceleration data set of the bedding rock model slope; The peak values of the acceleration data of the model slope under the same load condition can reflect the dynamic response law of the slope under such seismic action, and the ratio of the peak acceleration on the slope to the peak acceleration on the table can reflect whether the slope is enhanced or attenuated at each location under the seismic action.

2、Keywords

Theme：real data,Others,collapse,Dynamic characteristics,shaking table model test,landslide,Other  
Discipline：Terrestrial Surface,Others  
Places：Sanjiang Rive Basin  
Time：2019-2021.

3、Data details

1.Scale：None

2.Projection：

3.Filesize：90.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：35.9 | - |
| west：89.73 | - | east：101.03 |
| - | south：25.38 | - |

5、Time frame:2019-05-31 16:00:00+00:00--2021-07-30 16:00:00+00:00

6、Reference method

References to data:

GUO Mingzhu. Shaking table model test data for bedding rock slope - acceleration. A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2721802022

References to articles:

7、Supporting project information

Catastrophic mechanisms and risk control of disastrous landslides in the Tibetan Plateau  
Endogenic and exogenic geological conditions and coupling effects on the occurrence of landslide hazard

8、Data resource provider

name: GUO Mingzhu  
unit: Beijing University Of Technology  
email: gmz@bjut.edu.cn