A Big Earth Data Platform for Three Poles

**Shaking table model test data for counter-bedding rock slope - velocity**

1、Description

Velocity is an important parameter to reflect the dynamics of slope. A velocity sensors are arranged on the top of slope of the Xuelongnang counter-bedding rock model slope. A velocity sensor is arranged on the shaking table to record the real velocity state of the input seismic wave. The collected data are filteringed, noise reduction, screened and other processing steps to obtain the velocity data set of the counter-bedding rock model slope; The peak values of the velocity data of the model slope under the same load condition can reflect the dynamic response law of the slope under such seismic action. The ratio of the peak velocity on the slope to the peak velocity on the table reflects the enhancement level of the velocity response of the slope top under 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：10.0MB

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--2021-07-31 03:59:59+00:00

6、Reference method

References to data:

GUO Mingzhu. Shaking table model test data for counter-bedding rock slope - velocity. A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2721702022

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

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