A Big Earth Data Platform for Three Poles

**Large scale direct shear test data of sliding zone soil of typical landslide in Jinshajiang River (2020)**

1、Description

This sub topic obtains the physical and mechanical indexes of sliding zone soil and bedrock of typical major landslides (zanong landslide, zongrongcun landslide and xiaguiwa landslide) in Jinsha River Basin of Qinghai Tibet Plateau. The physical and mechanical indexes of sliding zone soil are mainly obtained by large-scale direct shear test. The obtained physical and mechanical indexes provide a scientific basis for subsequent physical model tests and revealing the internal and external dynamic coupling mechanism. The shear strength test of sliding zone soil adopts large-scale direct shear instrument, and there are three groups considering different moisture content. In the large-scale direct shear test, the remolded sliding zone soil specimens with different moisture content are made for three typical landslides respectively, and the shear strength normal pressure relationship curve of sliding zone soil with different moisture content is obtained, and then the shear strength index of sliding zone soil with different moisture content is obtained.

2、Keywords

Theme：Engineering Geology,Geologic Hazard  
Discipline：Solid earth  
Places：Jinshajiang River  
Time：JAN 2020

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.012MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：0.0 | - |
| west：0.0 | - | east：0.0 |
| - | south：0.0 | - |

5、Time frame:2019-12-31 16:00:00+00:00--2022-03-31 16:00:00+00:00

6、Reference method

References to data:

YAO Aijun. Large scale direct shear test data of sliding zone soil of typical landslide in Jinshajiang River (2020). A Big Earth Data Platform for Three Poles, doi:10.11888/SolidEar.tpdc.2721642022

References to articles:

7、Supporting project information

Endogenic and exogenic geological conditions and coupling effects on the occurrence of landslide hazard

8、Data resource provider

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