A Big Earth Data Platform for Three Poles

**Experimental data of impact force of debris flow block stone in strong earthquake areas of China (2019-2021)**

1、Description

Experimental data of impact force of debris flow block stone. The yield stress of impact medium, particle size of impact medium, impact force of block stone and other data produced by the impact force model test of debris flow block stone carried out in the State Key Laboratory of geological disaster prevention and geological environment protection; The data collection place is the State Key Laboratory of geological disaster prevention and geological environment protection of Chengdu University of technology. The data are obtained through the impact force model test of debris flow blocks. The main instruments used include HAAKE rotary rheometer mars40 / 60, HD camera, qsy8301-01 piezoelectric sensor, etc. the collection time is 2019-2021.

2、Keywords

Theme：debris flow,Engineering Geology,Geologic Hazard
Discipline：Terrestrial Surface,Solid earth
Places：laboratory model experiments
Time：2019-2021.

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.01MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：31.72 | - |
| west：102.85 | - | east：103.73 |
| - | south：30.75 | - |

5、Time frame:None--None

6、Reference method

References to data:

LIU Qinghua , SU Na , XU Linrong . Experimental data of impact force of debris flow block stone in strong earthquake areas of China (2019-2021). A Big Earth Data Platform for Three Poles, doi:10.11888/Terre.tpdc.2721332022

References to articles:

7、Supporting project information

Dynamic characteristics of wide gently-channelized and narrow steeply-channelized debris flows in strong earthquake area

8、Data resource provider

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