



Correction to: Foliation Effects on Mechanical and Failure Characteristics of Slate in 3D Space Under Brazilian Test Conditions

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Correction to:

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In the original publication of the article, the analysis of applied failure force and fracture patterns of the Brazilian tests was based on experimental data from the following reference (Ding et al. 2019):

Ding CD, Hu DW, Zhou H, Lu JJ, Ma DD, Zhang Y (2019) Brazilian splitting tests of slate considering three-dimensional foliation effect. *Chin J Rock Mech Eng* 38(2):301–312 (in Chinese)

The reference above is cited and corrected as follows:

The original content is,

In view of the fact that the above calculation methods cannot obtain the accurate indirect tensile strength, for more accurate purpose, the maximum loading force (i.e., applied failure force) recorded by the testing system is used directly to compare the bearing capacity of the specimen that is obtained under Brazilian test conditions. The applied failure force (AFF) of all specimens are tabulated in Table 1 in “Appendix”.

The corrected version is,

In view of the fact that the above analysis method, which was adopted in our previous study (Ding et al. 2019), cannot obtain the accurate indirect tensile strength, an alternative analysis is here performed in order to improve the determination of the indirect tensile strength. More precisely, the maximum loading force (i.e., the applied force at failure) recorded by the testing system is used directly to represent the bearing capacity of the specimen tested under the Brazilian test condition. The values of the applied failure force (AFF) of all specimens are therefore recalculated from the experimental data provided in our previous study (Ding et al. 2019) and presented in Table 1 in “Appendix”.

The original content is,

Fig. 10 Fracture patterns of typical specimens under Brazilian test conditions (front surface). Yellow lines and red lines represent the foliation plane and the main macro-cracks, respectively.

The corrected version is,

Fig. 10 Fracture patterns of typical specimens under Brazilian test conditions (front surface). Yellow lines and red lines represent the foliation plane and the main macro-cracks, respectively (after Ding et al. 2019).

The original article can be found online at <https://doi.org/10.1007/s00603-020-02146-8>.

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