**Evaluation Methods of Rock Lump Stability on Rock Slopes**

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In this paper, we described a quantitative evaluation method for the stability of falling rock based on the conventional methods. At first, we made a nomogram predicting the largest size of rocks maintained at a slope by the density and the tensile strength of the rock. Furthermore, we clarified that the stability of rock was evaluated from the largest amplitude and the frequency by a sound pressure wave pattern of slapping sound using a hammer. In addition, we indicated an application condition of those methods.