

Extraction Method of Sections of Mountain Tunnels to be Noted Based on Crack Density and Pattern

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On the basis of the tunnel crack index (TCI) and the crack pattern, this paper shows a method extracting sections to be noted in tunnel inspection. The threshold value of TCI is set according to the judgment results of the experienced persons, and the validity is confirmed by the model experiments. In addition, a crack pattern that should be noted is set as an auxiliary index. We applied the proposed method to an actual tunnel and verify the accuracy. As a result, we confirm that this method can be used as a method extracting sections to be noted in tunnel inspection.