

Application of Audio Frequency Electric Perspective in Detecting Work Face Limestone Base for Grouting Reconstruction

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Abstract This paper introduces the basic principle, operating method and data interpretation of the audio frequency electric perspective. Through the exploration of limestone base grouting reconstruction, the audio frequency electric perspective could accurately reflect the water conditions of work face in mines. This case shows good effects in the audio frequency electric perspective of water detection and grouting detection in the work face. Real work proved that the audio perspective technology is an effective geophysical method in detecting work face limestone base for grouting reconstruction.

Keywords audio frequency electric perspective, grouting reconstruction