



The Contraption and Engineering Implementation of Linked Fracture of Shoal Suture in the Bedrock

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Abstract

The characteristics of overburden strata structural features of typical shallow seam with thin bedrock in Shandong mining area is: there is only one key stratum which controls the overburden strata movement (main roof), when the thickness of bedrock is smaller (generally less than 50-60 m) and the key stratum located under the fissure zone or inside the caving zone through the analysis combined geological data Shandong mining area with the experience in mining practice for a long time. Strata behavior is comparatively fiercer in mining process and it's easy to lose phreatic water and surface water resource.

Keywords: linked fracture of shoal; shallow seam; caving zone; Shandong mining