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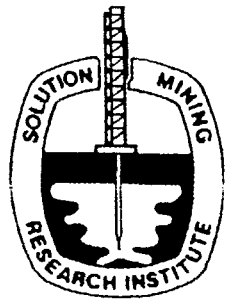

Displacement and Strain Distribution Modelling around "Góra" Solution Mine by Influence Function

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Abstract

This paper reports about the new method of displacement and strain distribution modelling for solution mined caverns. The rock mass motion model based on influence method generalized Budryk-Knothe influence theory for wholel space around excavation and the land surface as well. The outline of this method has been shown in this report with calculation of displacements and strains distribution in surrounding of solution mined caverns Góra, Poland. This method can be applied in very complicated geometrical situation and verified by volume convergence of cavern measure and subsidence observation.